

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054573.D
 Acq On : 22 Mar 2019 23:07
 Operator : JC/SP
 Sample : VN0322MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 4:41:23 PM

Quant Time: Mar 23 04:36:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	696152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239514	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	297395	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	
35) Dibromofluoromethane	7.59	113	229879	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.09	98	841161	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	271022	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	84452	21.858	ug/l	100
3) Chloromethane	2.06	50	115929	22.053	ug/l	99
4) Vinyl Chloride	2.19	62	109160	20.682	ug/l	98
5) Bromomethane	2.58	94	64613	18.932	ug/l	98
6) Chloroethane	2.71	64	61976	19.577	ug/l	99
7) Trichlorofluoromethane	3.02	101	136138	21.240	ug/l	96
8) Diethyl Ether	3.41	74	49232	19.972	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68486	18.181	ug/l	93
10) Methyl Iodide	3.95	142	98788	17.828	ug/l #	90
11) Tert butyl alcohol	4.82	59	35830	117.724	ug/l	98
12) 1,1-Dichloroethene	3.73	96	72122	18.501	ug/l #	74
13) Acrolein	3.61	56	39966	95.154	ug/l	93
14) Allyl chloride	4.32	41	158192	21.550	ug/l #	91
15) Acrylonitrile	5.00	53	179678	118.548	ug/l	98
16) Acetone	3.82	43	133505	88.331	ug/l #	83
17) Carbon Disulfide	4.04	76	192490	18.429	ug/l	100
18) Methyl Acetate	4.34	43	82116	24.376	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	259275	22.789	ug/l	95
20) Methylene Chloride	4.55	84	97070	21.787	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	88591	22.256	ug/l	86
22) Diisopropyl ether	5.96	45	342074	23.625	ug/l #	95
23) Vinyl Acetate	5.90	43	1195333	116.887	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	180470	23.148	ug/l	97
25) 2-Butanone	6.85	43	225412	116.425	ug/l	89
26) 2,2-Dichloropropane	6.82	77	100536	18.090	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	104909	22.096	ug/l	91
28) Bromochloromethane	7.19	49	94303	24.574	ug/l #	72
29) Tetrahydrofuran	7.22	42	158084	125.821	ug/l #	83
30) Chloroform	7.37	83	175970	23.128	ug/l	100
31) Cyclohexane	7.65	56	168122	21.444	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	141763	22.584	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126806	19.481	ug/l	97
37) Ethyl Acetate	6.94	43	102801	22.206	ug/l	96
38) Carbon Tetrachloride	7.77	117	121513	19.210	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132773	17.832	ug/l #	87
40) Benzene	8.04	78	381438	20.493	ug/l	99
41) Methacrylonitrile	7.18	41	37833	13.400	ug/l #	69
42) 1,2-Dichloroethane	8.12	62	141648	20.897	ug/l	97
43) Isopropyl Acetate	8.17	43	171111	21.885	ug/l #	93
44) Trichloroethene	8.83	130	98484	19.031	ug/l	94
45) 1,2-Dichloropropane	9.12	63	109449	21.899	ug/l	98
46) Dibromomethane	9.21	93	63088	21.159	ug/l	89
47) Bromodichloromethane	9.40	83	126479	20.439	ug/l	98
48) Methyl methacrylate	9.20	41	86159	20.303	ug/l	88
49) 1,4-Dioxane	9.20	88	20310	428.110	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	482208	111.286	ug/l	93
52) Toluene	10.16	92	225951	19.737	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109121	18.202	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	138441	19.512	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	84793	20.605	ug/l	96
56) Ethyl methacrylate	10.43	69	109639	19.850	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	150023	20.972	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	212160	93.283	ug/l	89
59) 2-Hexanone	10.75	43	293102	103.558	ug/l	91
60) Dibromochloromethane	10.90	129	87342	19.946	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81851	20.119	ug/l	99
64) Tetrachloroethene	10.63	164	95730	19.466	ug/l	96
65) Chlorobenzene	11.43	112	233005	19.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86843	20.064	ug/l	96
67) Ethyl Benzene	11.51	91	420166	19.725	ug/l	99
68) m/p-Xylenes	11.62	106	310595	38.496	ug/l	96
69) o-Xylene	11.95	106	153055	19.425	ug/l	99
70) Styrene	11.96	104	249396	19.491	ug/l	97
71) Bromoform	12.13	173	50014	18.237	ug/l #	100
73) Isopropylbenzene	12.25	105	399596	20.704	ug/l	98
74) N-amyl acetate	12.07	43	124858	22.499	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	102931	23.362	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	86241m	22.691	ug/l	
77) Bromobenzene	12.53	156	98061	20.486	ug/l	85
78) n-propylbenzene	12.59	91	433573	20.717	ug/l	96
79) 2-Chlorotoluene	12.67	91	266354	20.409	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	329424	20.825	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16516	17.202	ug/l #	74
82) 4-Chlorotoluene	12.77	91	257770	20.376	ug/l	95
83) tert-Butylbenzene	12.99	119	284040	20.629	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	316892	20.416	ug/l	99
85) sec-Butylbenzene	13.17	105	346254	20.173	ug/l	97
86) p-Isopropyltoluene	13.29	119	304234	19.812	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	156736	19.759	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	150853	19.546	ug/l	95
89) n-Butylbenzene	13.62	91	224888	18.729	ug/l	97
90) Hexachloroethane	13.87	117	47320	19.852	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	161150	20.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14529	22.483	ug/l	80

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VN0322MBS02

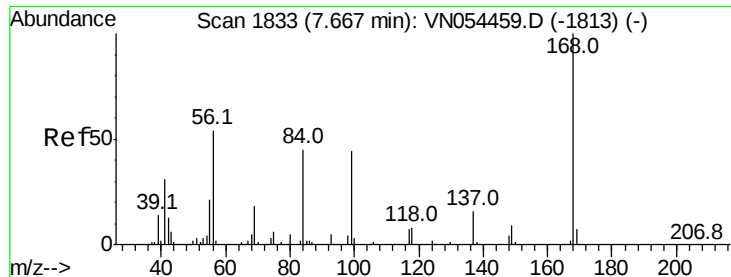
Manual Integrations
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3/25/2019 4:41:23 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69057	18.030	ug/l	99
94) Hexachlorobutadiene	15.01	225	44535	19.166	ug/l	99
95) Naphthalene	15.13	128	163638	19.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71548	18.769	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:168 Resp: 404164

Ion Ratio Lower Upper

168 100

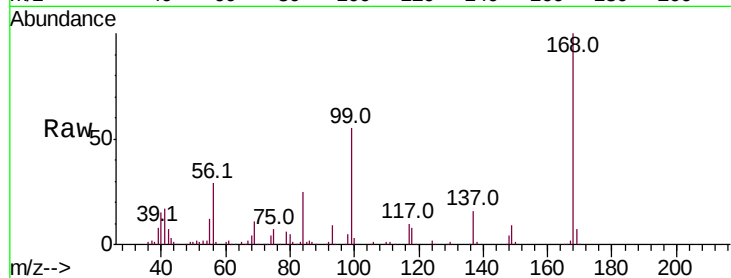
99 53.4 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

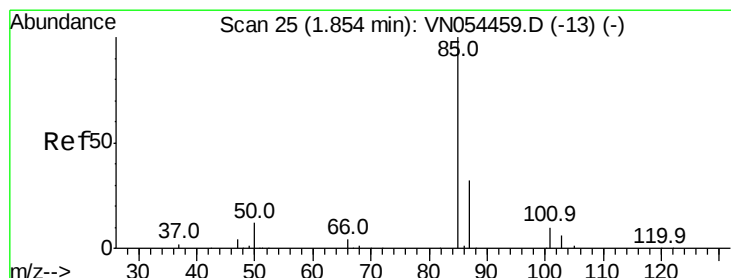
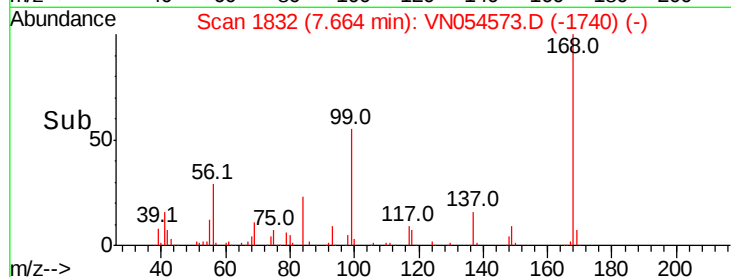
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.858 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054573.D

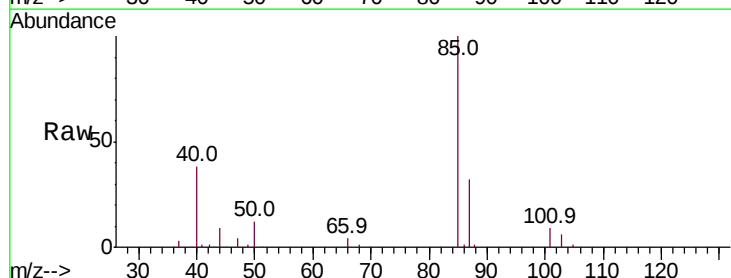
Acq: 22 Mar 2019 23:07

Tgt Ion: 85 Resp: 84452

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

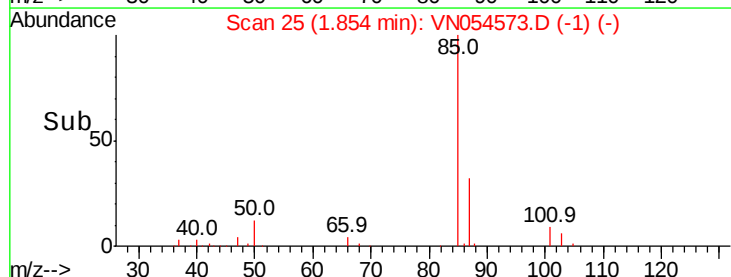
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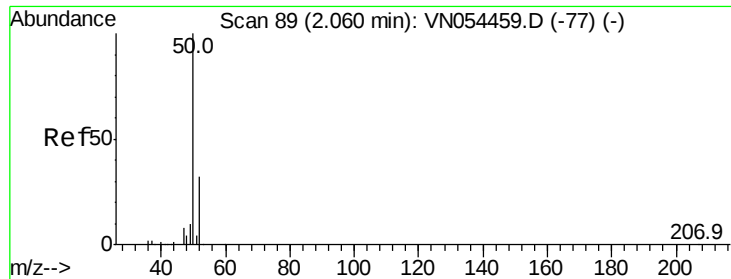
40000

20000

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Time-->





#3

Chloromethane

Concen: 22.053 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 50 Resp: 115929

Ion Ratio Lower Upper

50 100

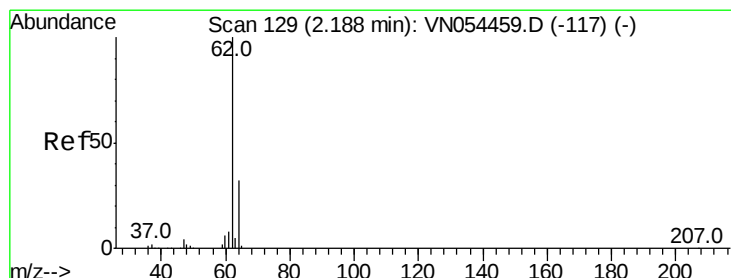
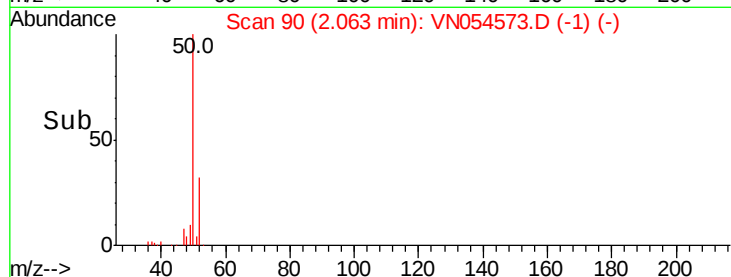
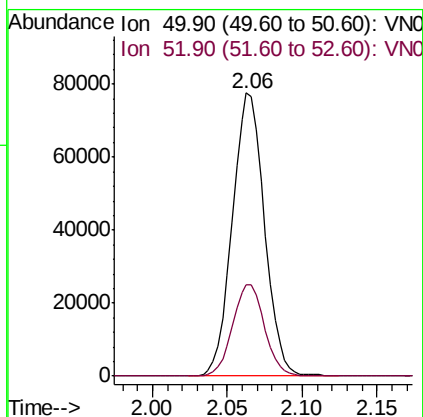
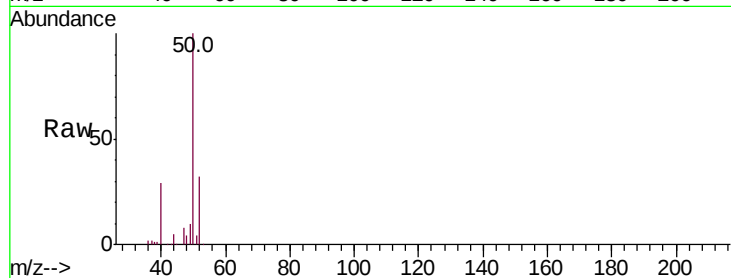
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.682 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054573.D

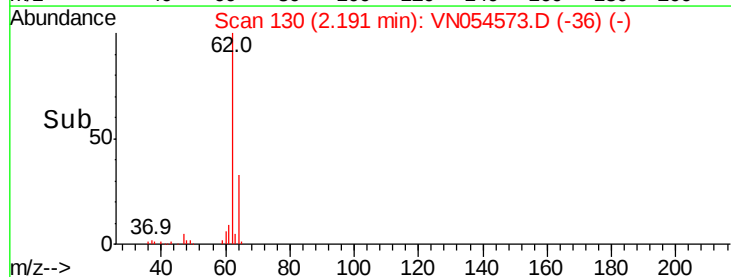
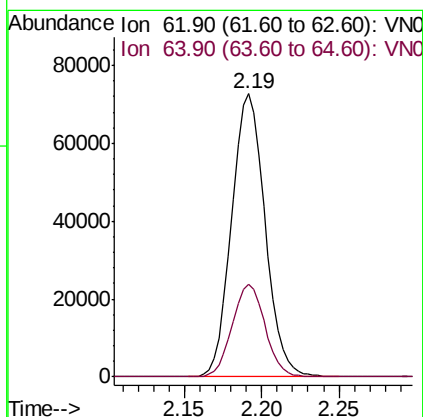
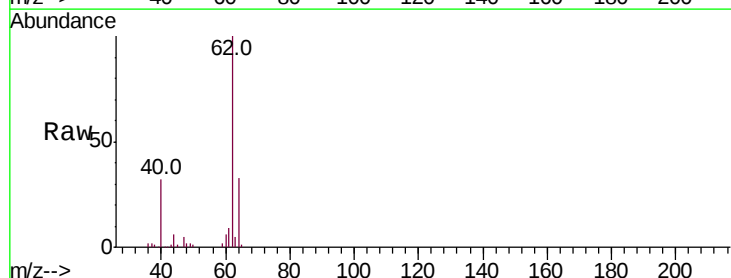
Acq: 22 Mar 2019 23:07

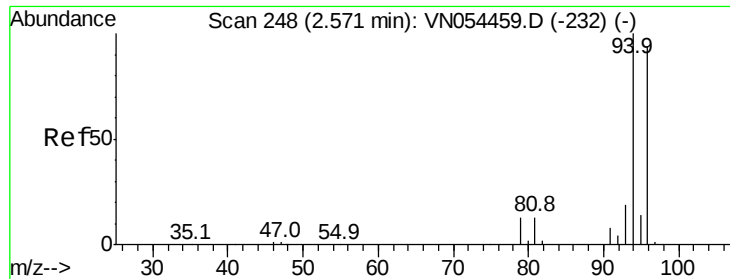
Tgt Ion: 62 Resp: 109160

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 18.932 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

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VN0322MBS02

Tot Ion: 94 Resp: 64613

Ion Ratio Lower Upper

94 100

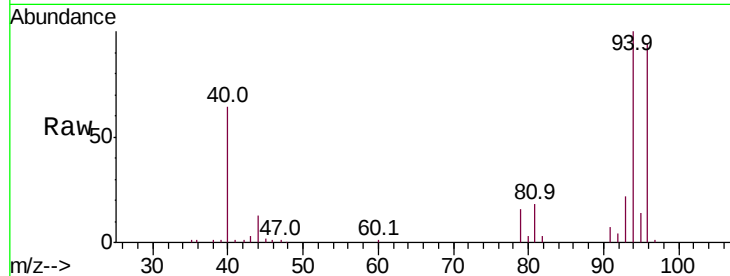
96 94.1 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

40000

30000

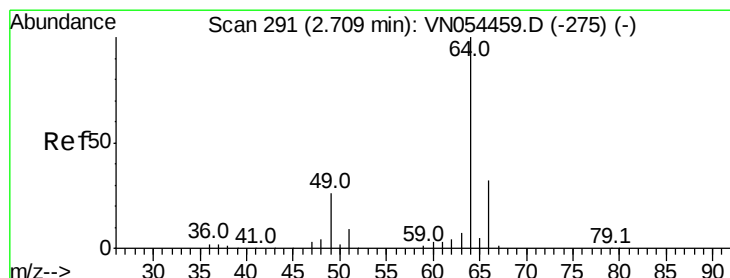
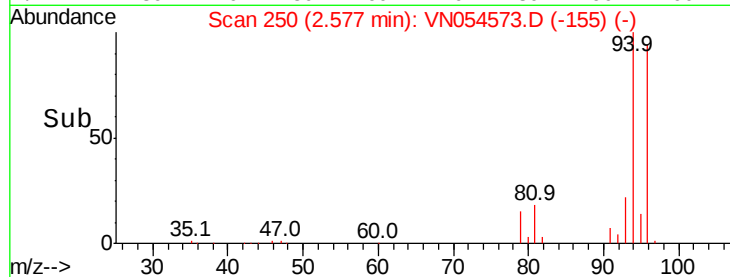
20000

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Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.577 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054573.D

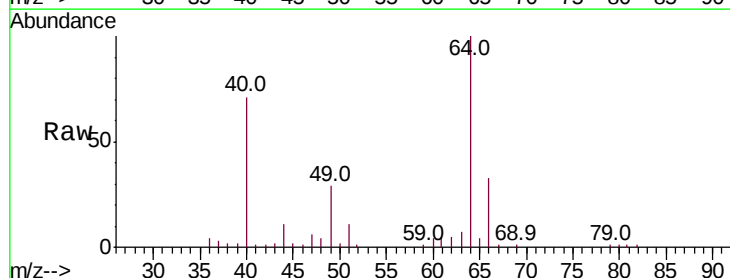
Acq: 22 Mar 2019 23:07

Tgt Ion: 64 Resp: 61976

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

30000

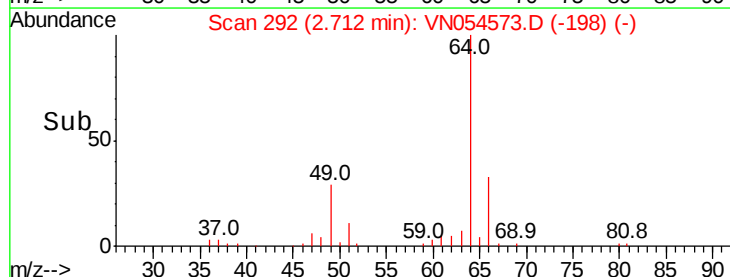
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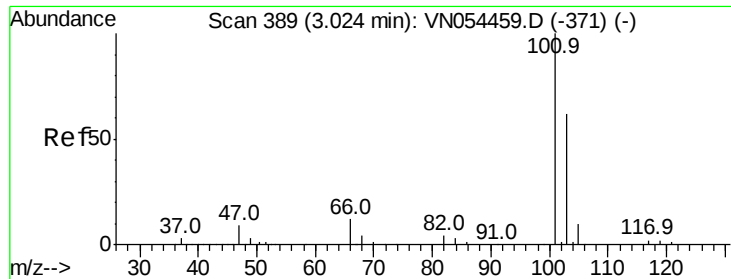
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Time-->

2.65 2.70 2.75 2.80





#7

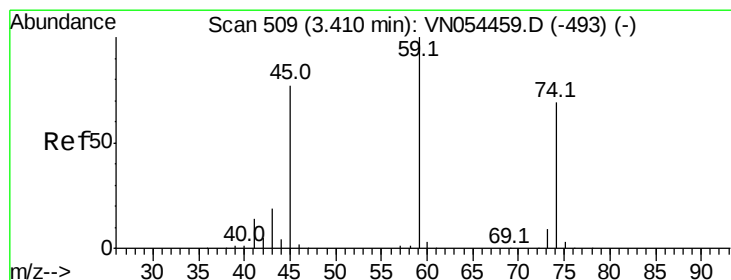
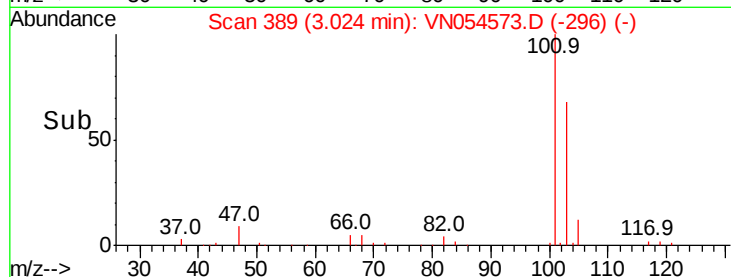
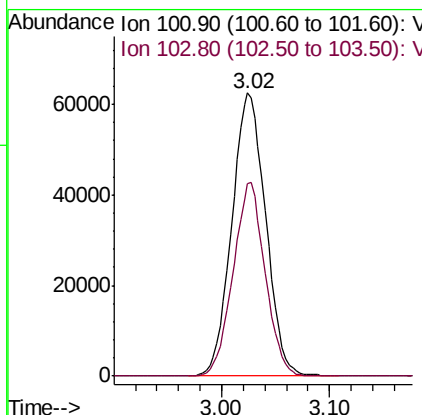
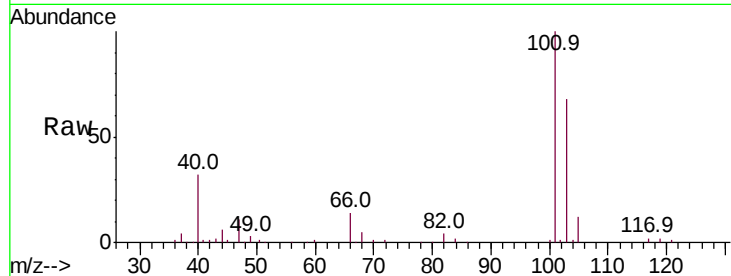
Trichlorofluoromethane
Concen: 21.240 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
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ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.4	77.2

Manual Integrations
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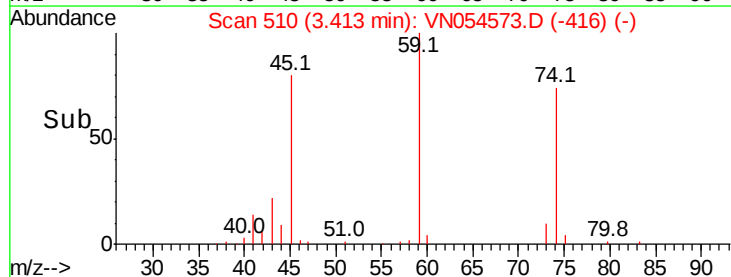
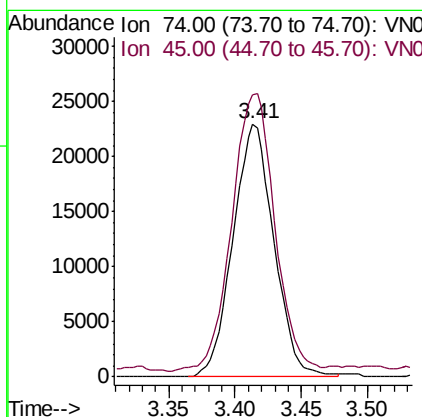
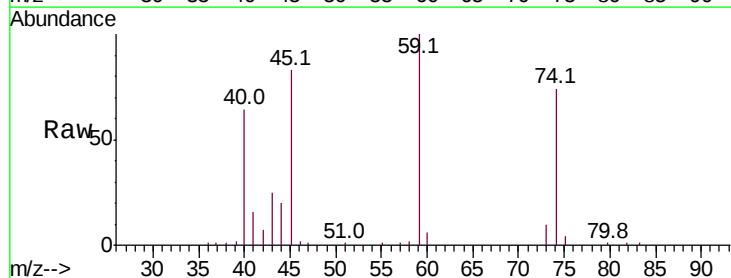
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3/25/2019 4:41:23 PM

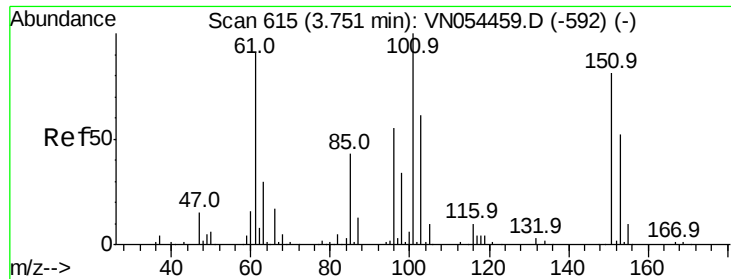


#8

Diethyl Ether
Concen: 19.972 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.0	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.181 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

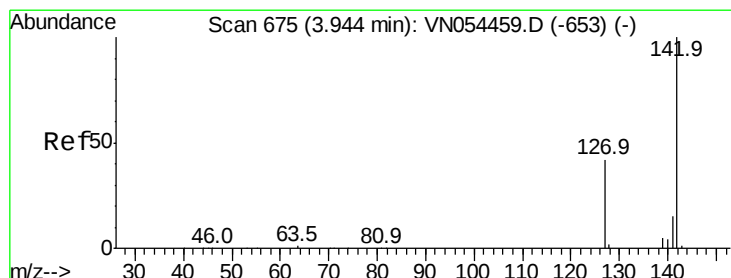
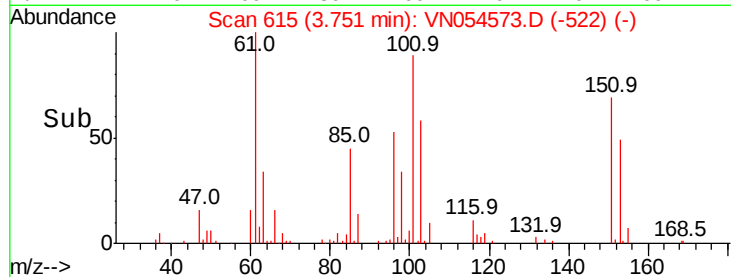
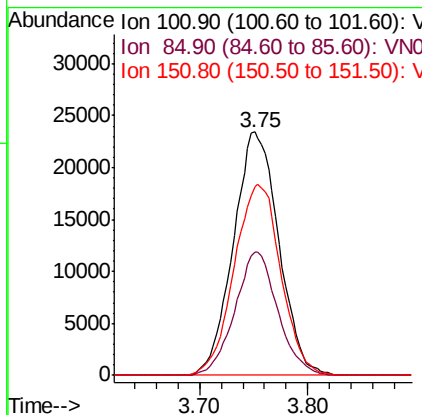
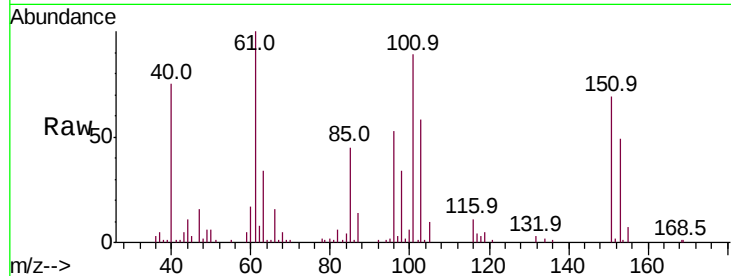
ClientSampleId :

VN0322MBS02

Tot Ion:	101	Resp:	68486
Ion Ratio	Lower	Upper	
101	100		
85	47.7	32.4	48.6
151	80.5	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.828 ug/l

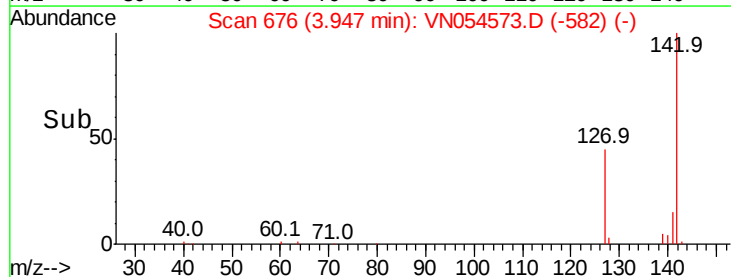
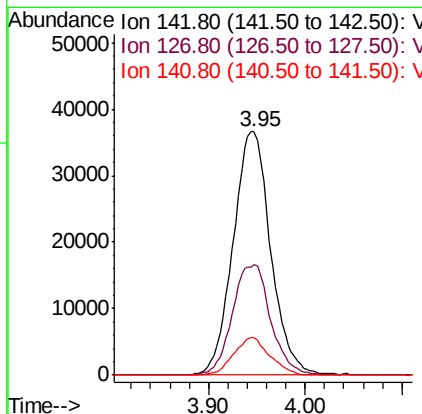
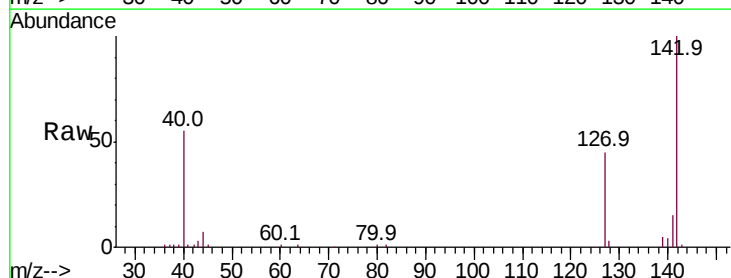
RT: 3.95 min Scan# 676

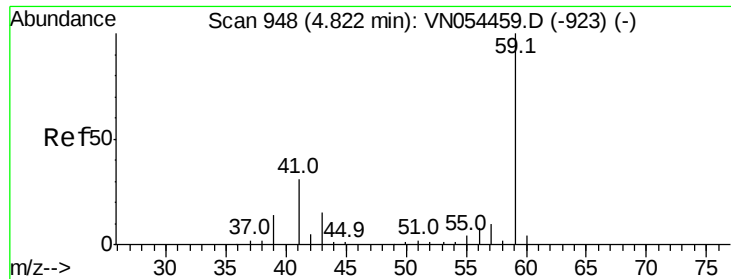
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	142	Resp:	98788
Ion Ratio	Lower	Upper	
142	100		
127	46.1	30.3	45.5#
141	14.8	11.2	16.8





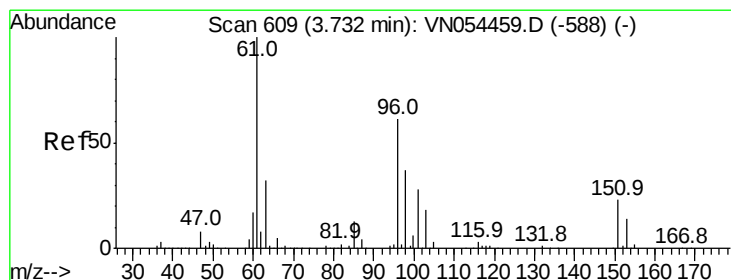
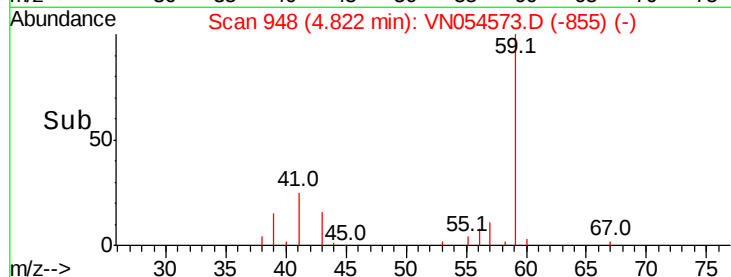
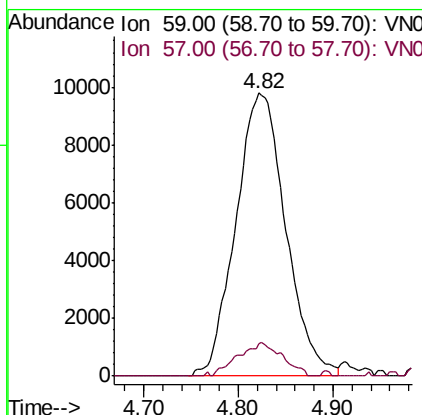
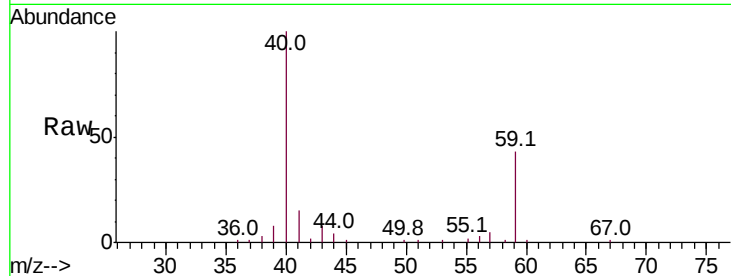
#11
Tert butyl alcohol
Concen: 117.724 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion: 59 Resp: 35830
Ion Ratio Lower Upper
59 100
57 10.4 9.0 13.6

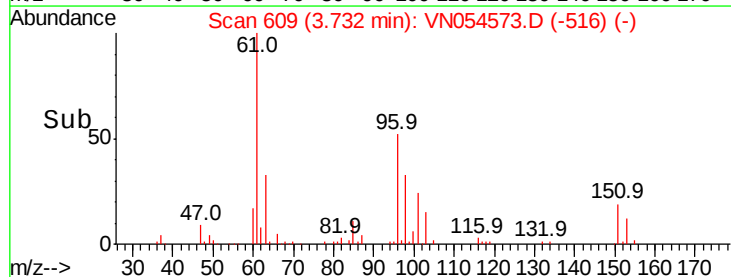
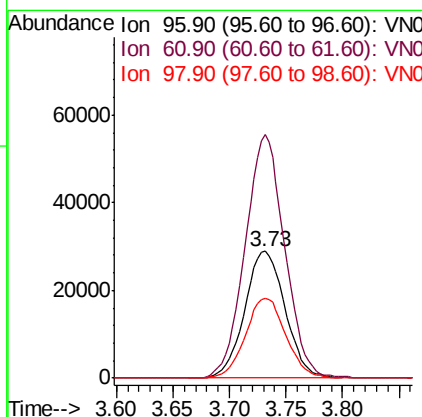
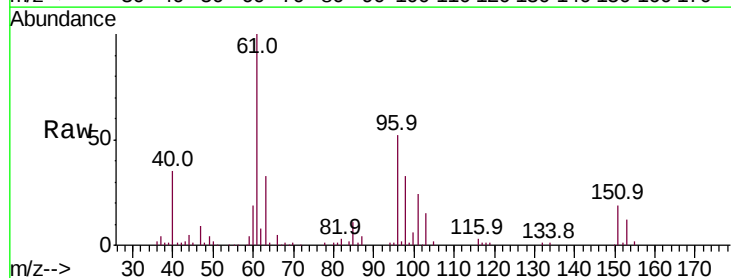
Manual Integrations
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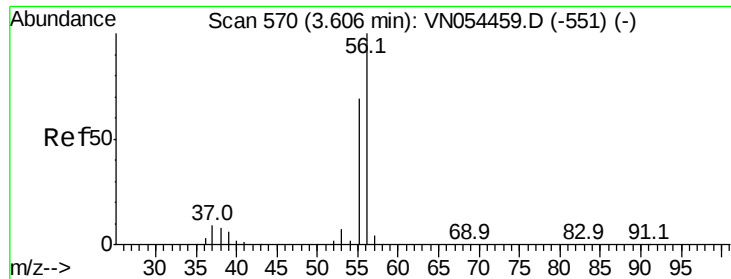
MMDadoda
3/25/2019 4:41:23 PM



#12
1,1-Dichloroethene
Concen: 18.501 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 96 Resp: 72122
Ion Ratio Lower Upper
96 100
61 192.0 116.5 174.7#
98 62.9 51.0 76.4





#13

Acrolein

Concen: 95.154 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 56 Resp: 39966

Ion Ratio Lower Upper

56 100

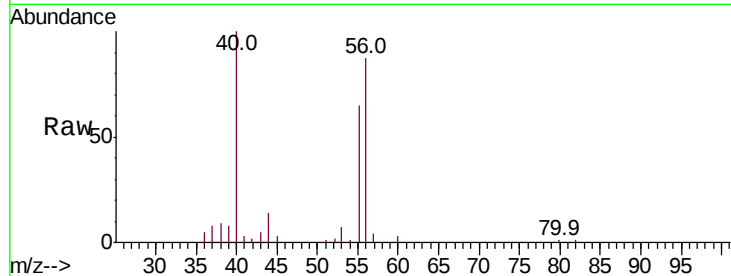
55 76.6 56.7 85.1

Manual Integrations

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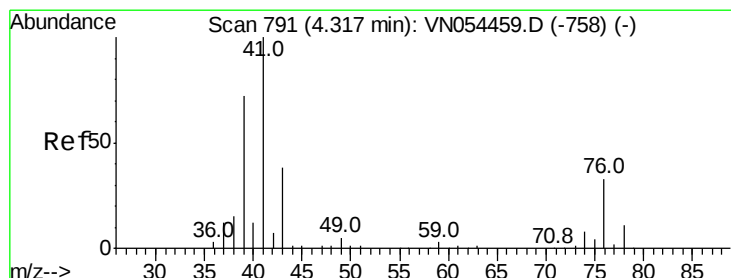
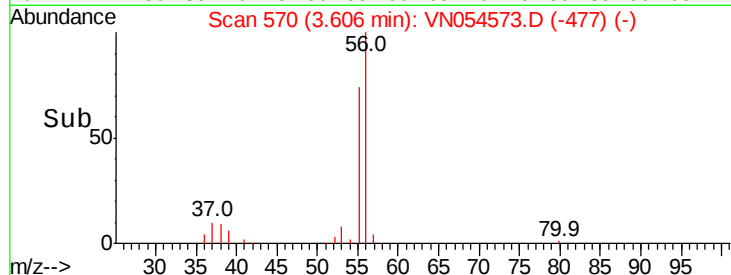
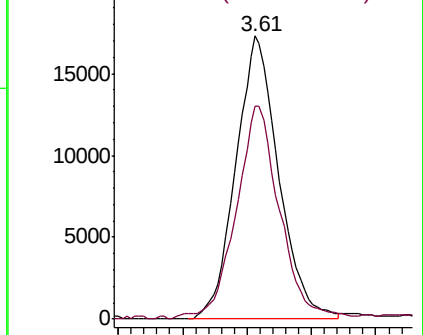
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.550 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

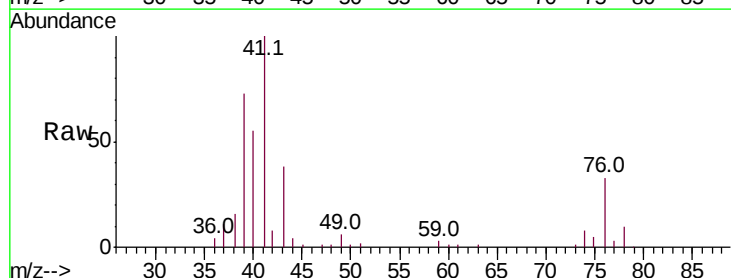
Tgt Ion: 41 Resp: 158192

Ion Ratio Lower Upper

41 100

39 68.6 58.2 87.4

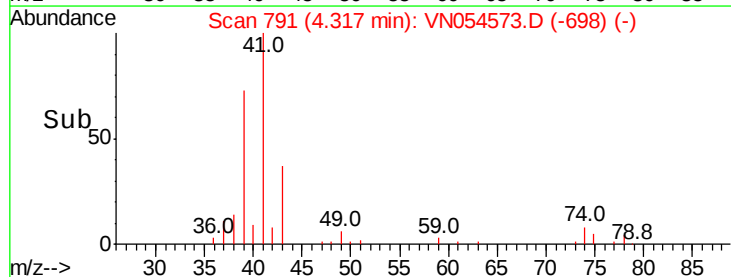
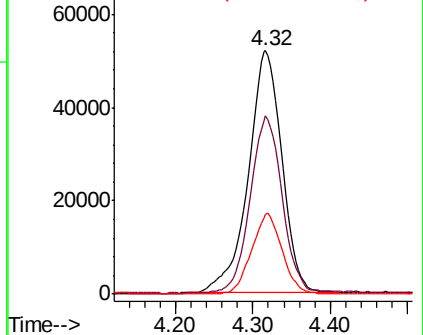
76 30.1 31.7 47.5#

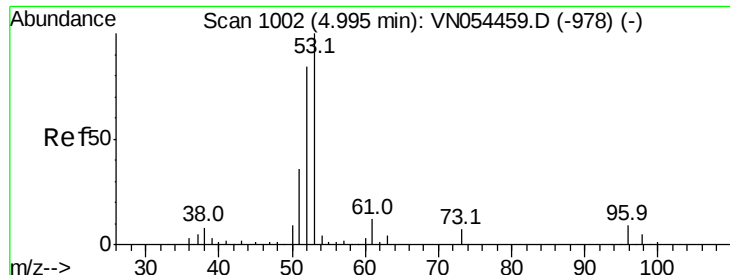


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





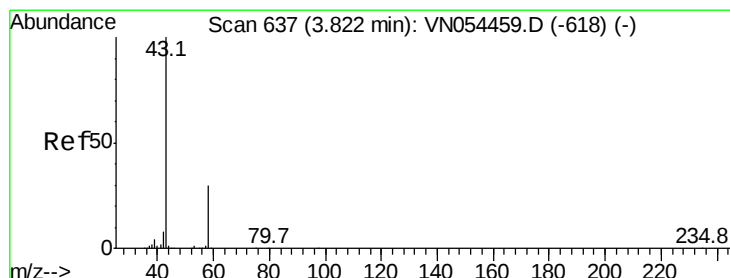
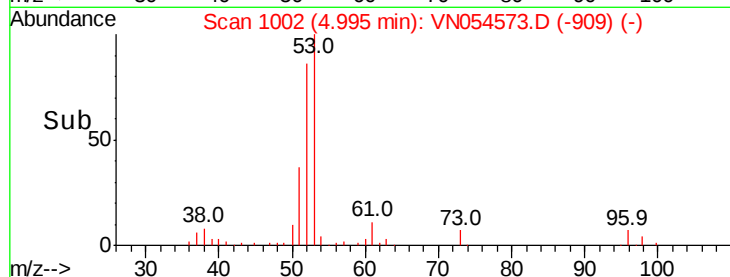
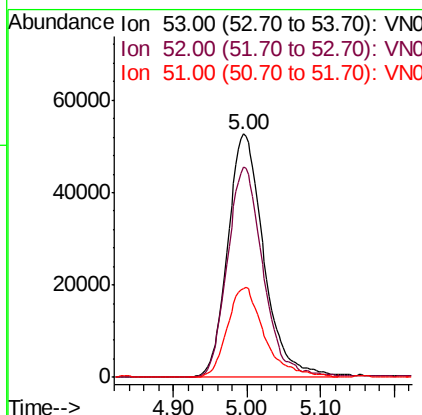
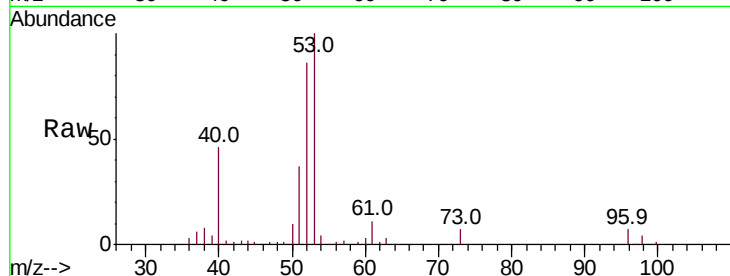
#15
 Acrylonitrile
 Concen: 118.548 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.4	99.6
51	38.1	29.6	44.4

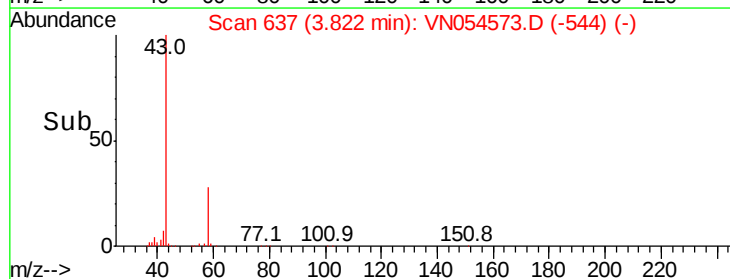
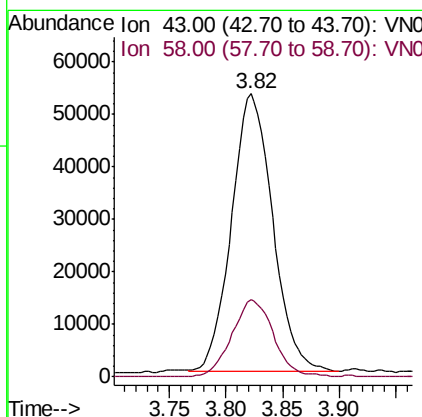
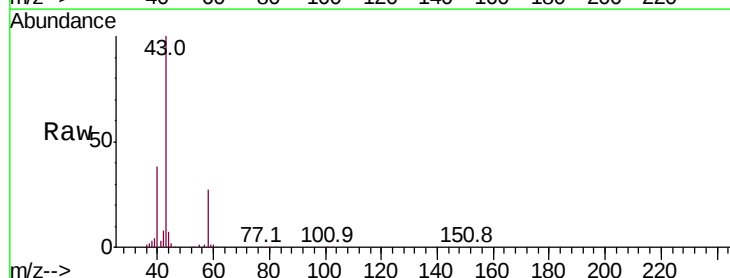
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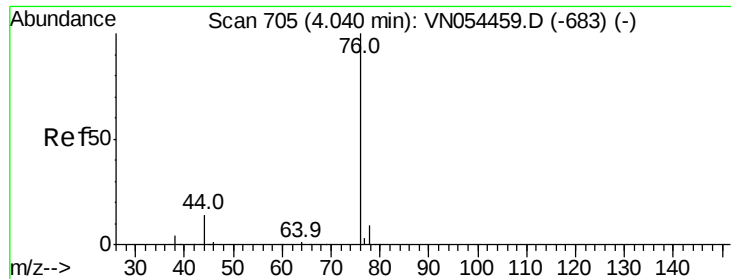
MMDadoda
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#16
 Acetone
 Concen: 88.331 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.5	29.9	44.9#





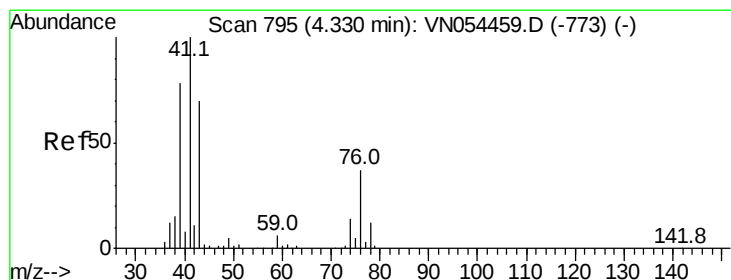
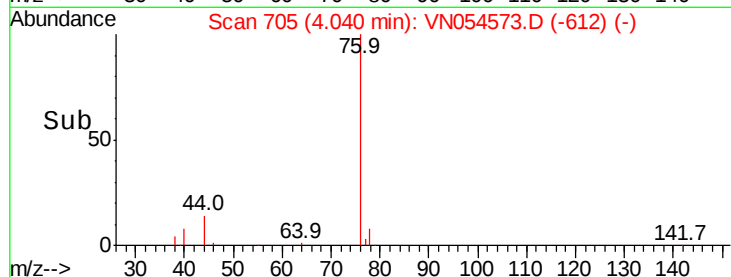
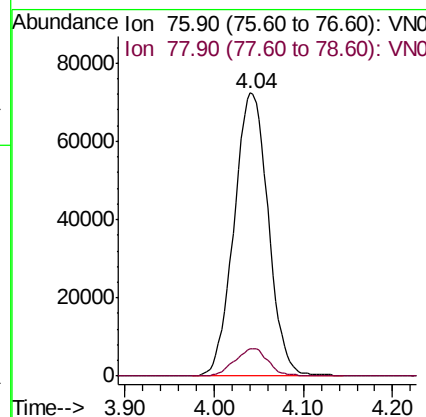
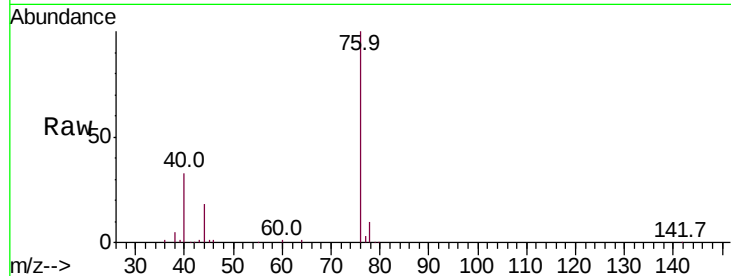
#17
Carbon Disulfide
Concen: 18.429 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

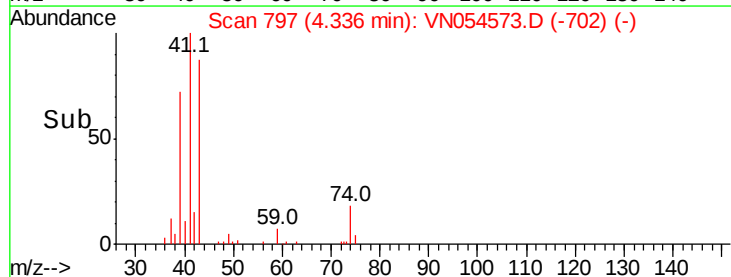
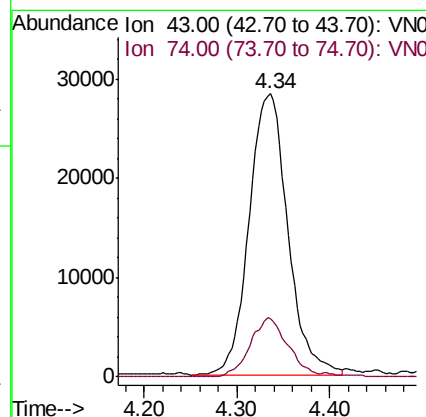
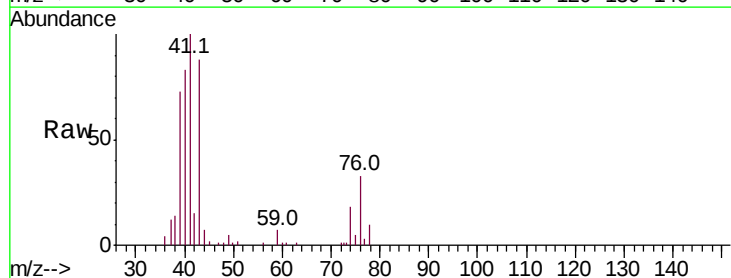
Manual Integrations
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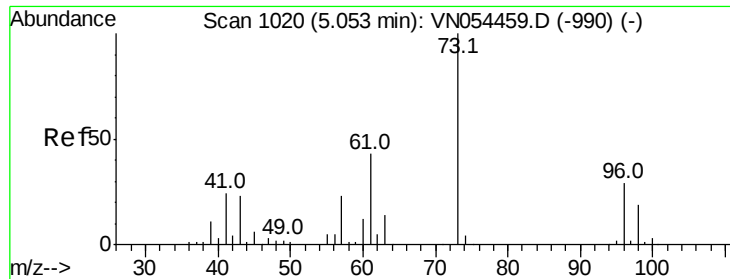
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#18
Methyl Acetate
Concen: 24.376 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	20.8	31.2#





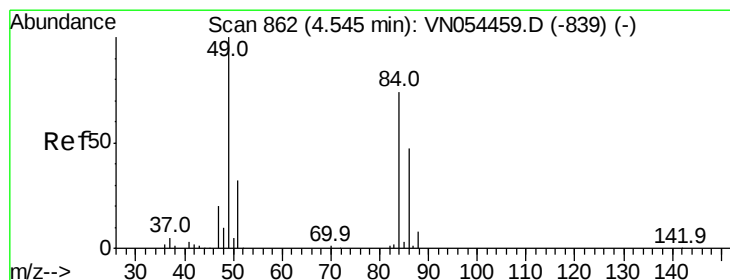
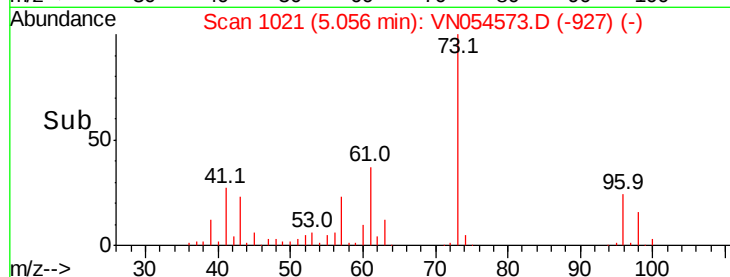
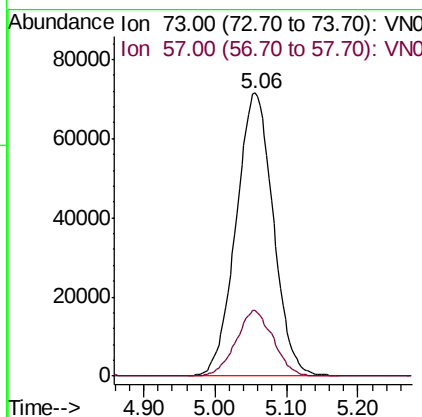
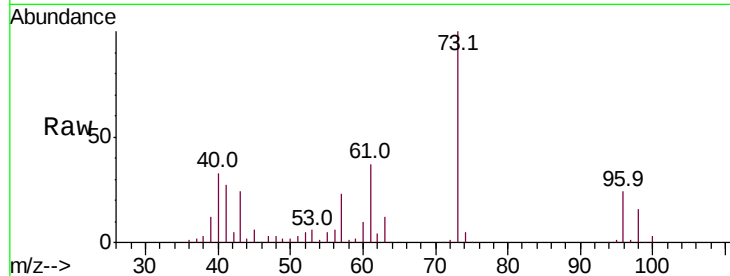
#19
Methvl tert-butvl Ether
Concen: 22.789 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	16.8	25.2

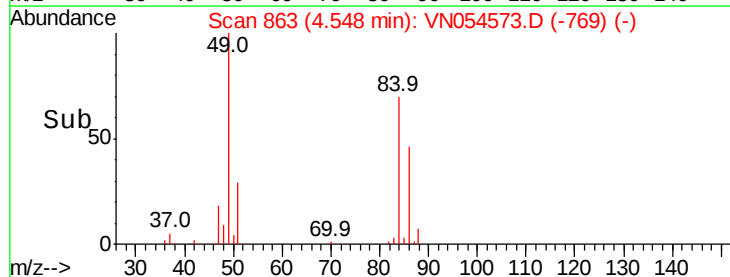
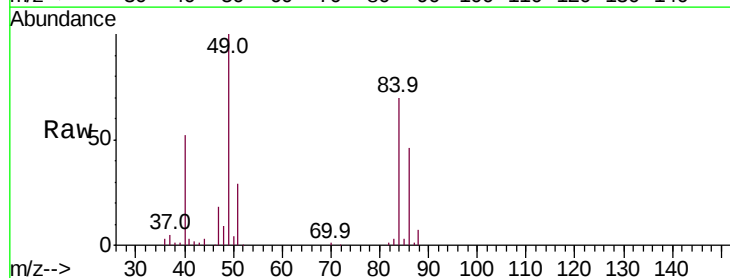
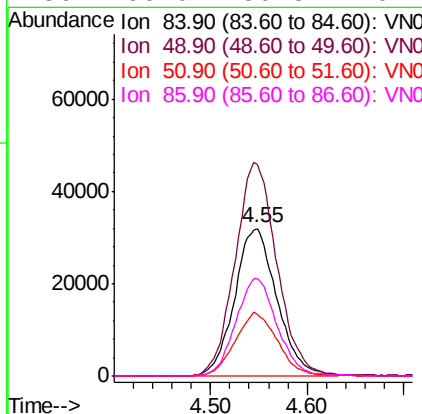
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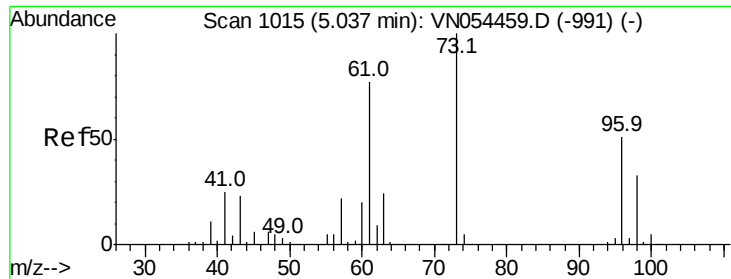
MMDadoda
3/25/2019 4:41:23 PM



#20
Methylene Chloride
Concen: 21.787 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.5	89.7	134.5#
51	42.1	28.2	42.4
86	66.0	50.8	76.2





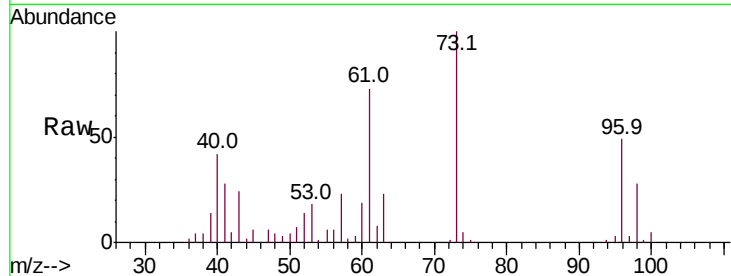
#21
trans-1,2-Dichloroethene
Concen: 22.256 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	102.8	154.2
98	58.1	50.0	75.0

Manual Integrations
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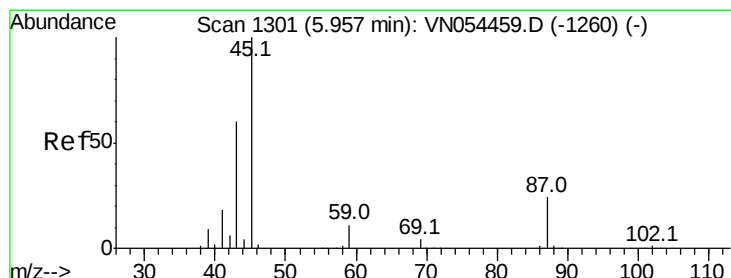
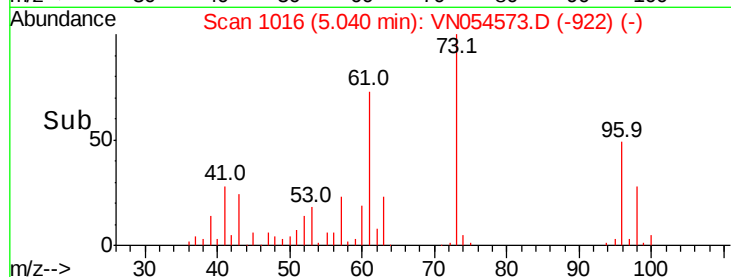
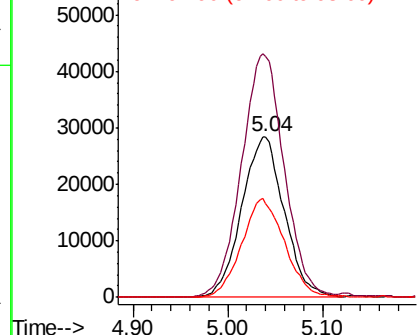


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 23.625 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.2	72.2
87	23.6	24.9	37.3#
59	10.1	9.5	14.3

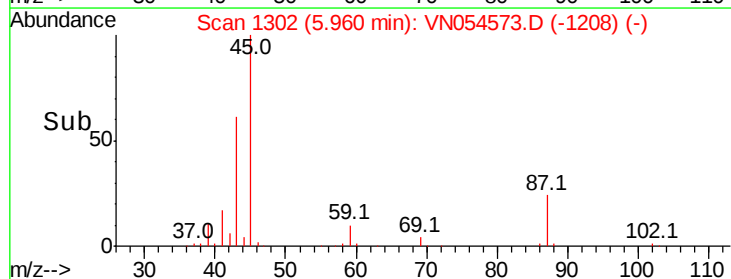
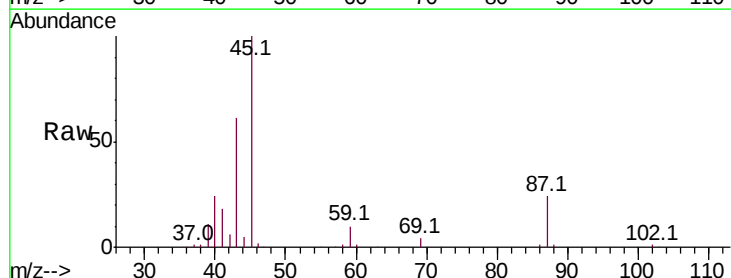
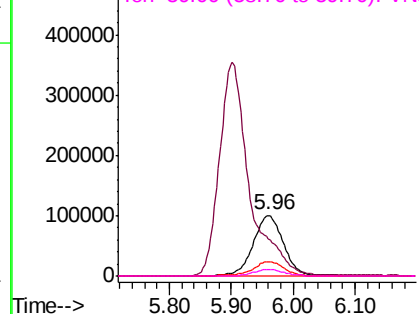
Abundance

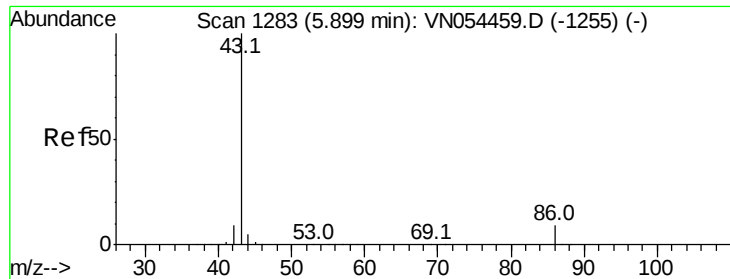
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 116.887 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 43 Resp: 1195333

Ion Ratio Lower Upper

43 100

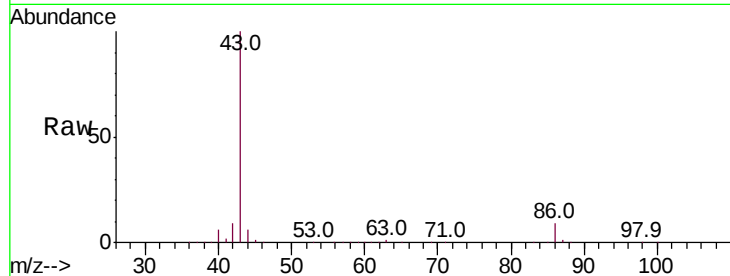
86 8.6 9.1 13.7#

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

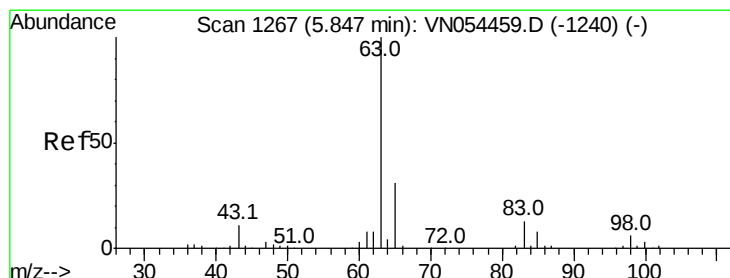
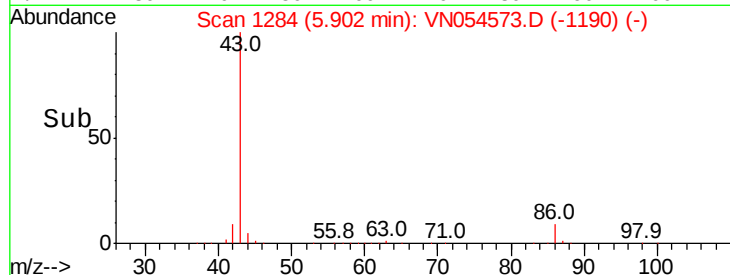
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.148 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

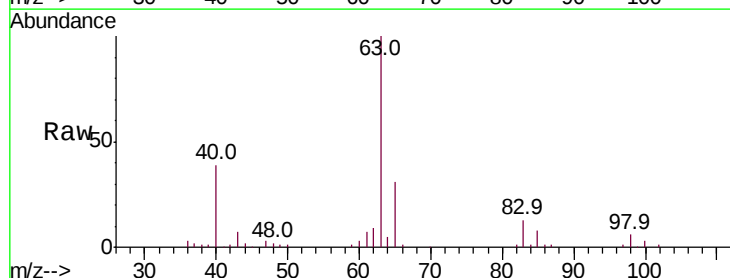
Tgt Ion: 63 Resp: 180470

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

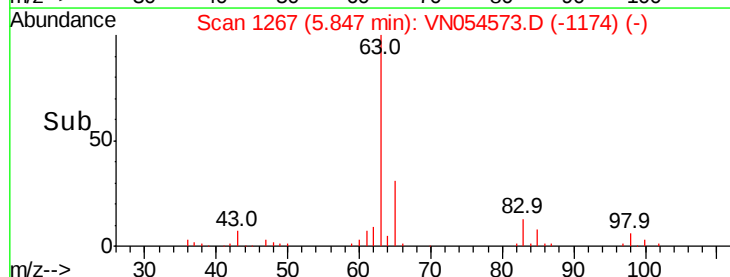
60000

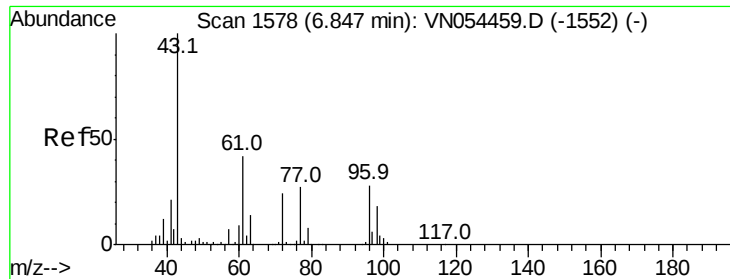
40000

20000

0

Time-->





#25

2-Butanone

Concen: 116.425 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 43 Resp: 225412

Ion Ratio Lower Upper

43 100

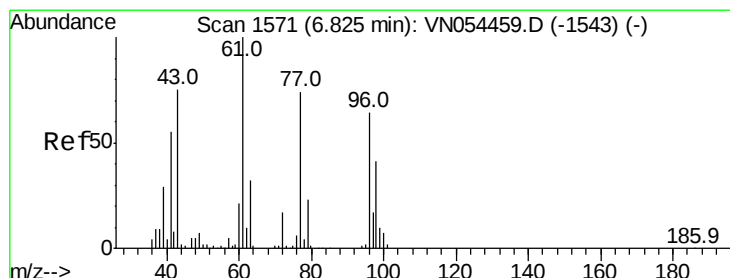
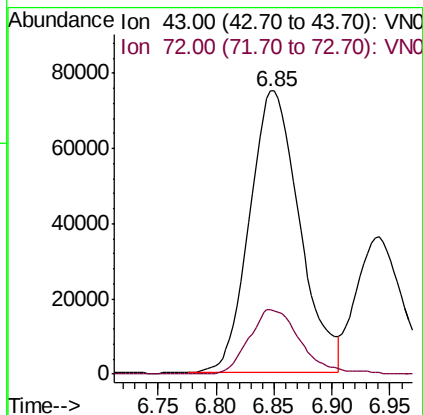
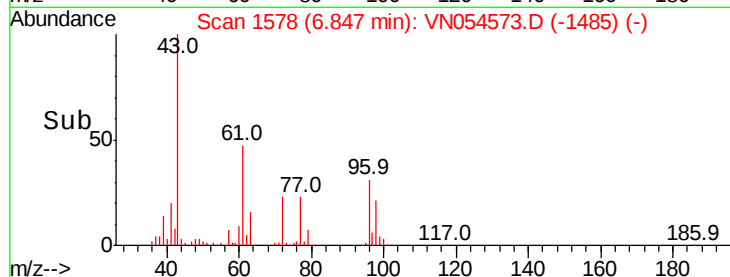
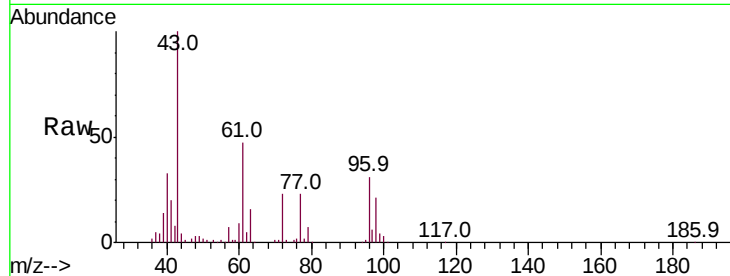
72 23.1 23.0 34.6

Manual Integrations

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MMDadoda

3/25/2019 4:41:23 PM



#26

2,2-Dichloropropane

Concen: 18.090 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054573.D

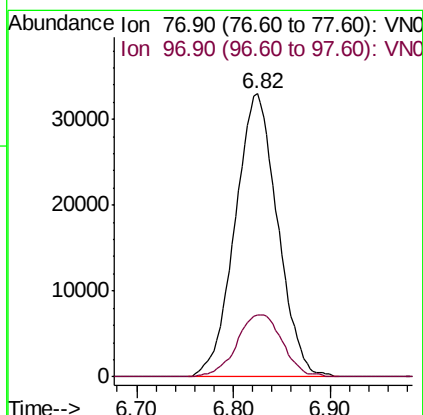
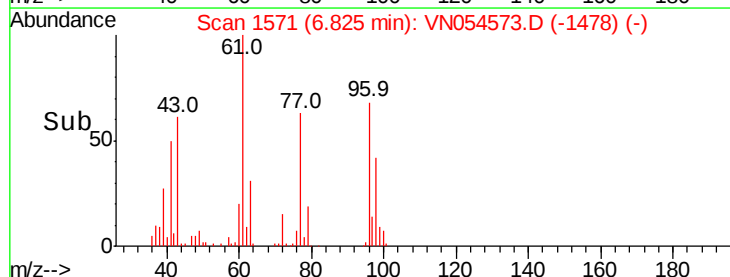
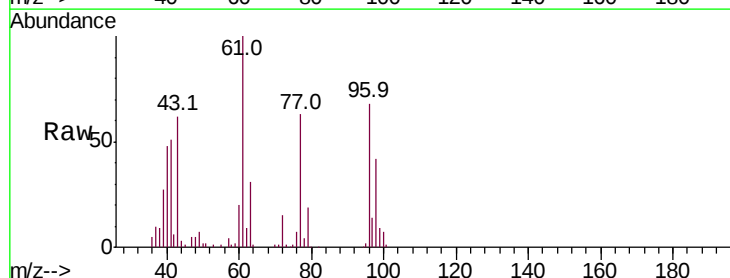
Acq: 22 Mar 2019 23:07

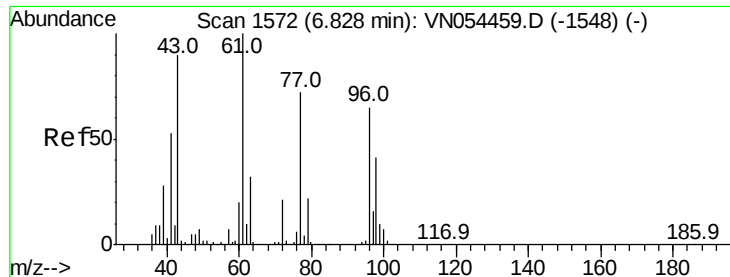
Tgt Ion: 77 Resp: 100536

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.096 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

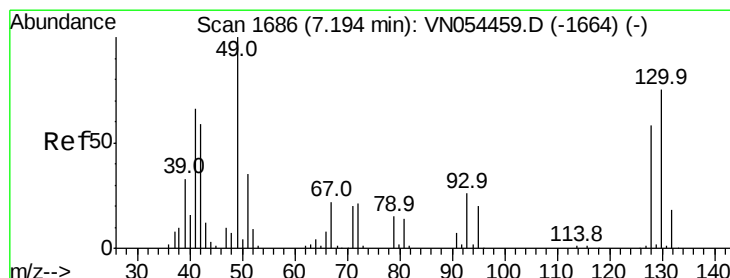
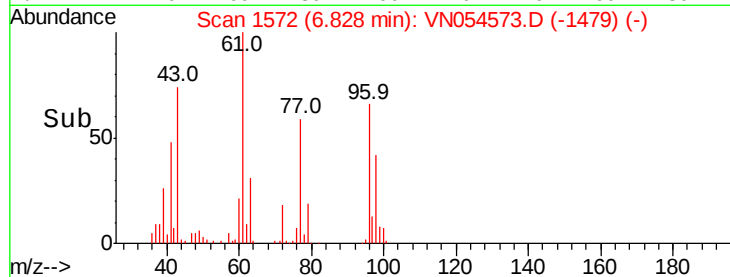
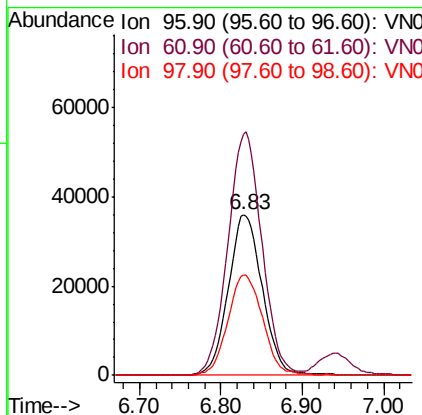
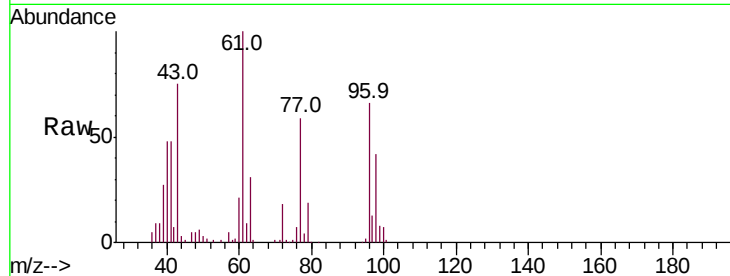
ClientSampleId :

VN0322MBS02

Tot Ion:	96	Resp:	104909
Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	273.0
98	63.7	0.0	130.6

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#28

Bromochloromethane

Concen: 24.574 ug/l

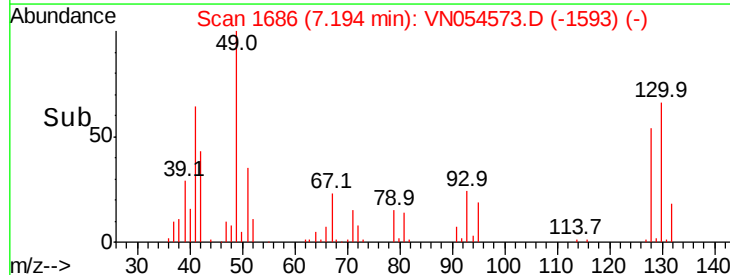
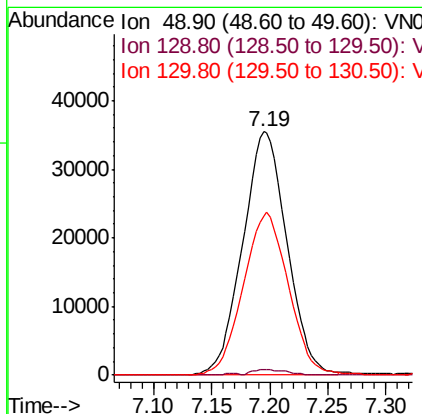
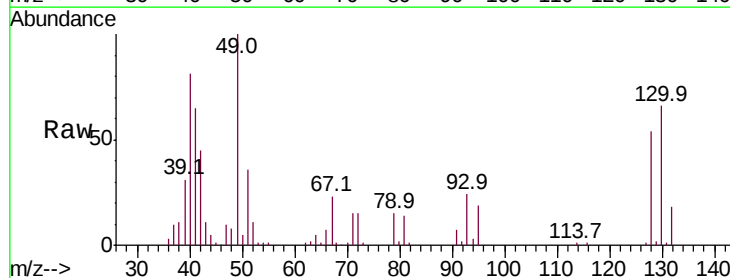
RT: 7.19 min Scan# 1686

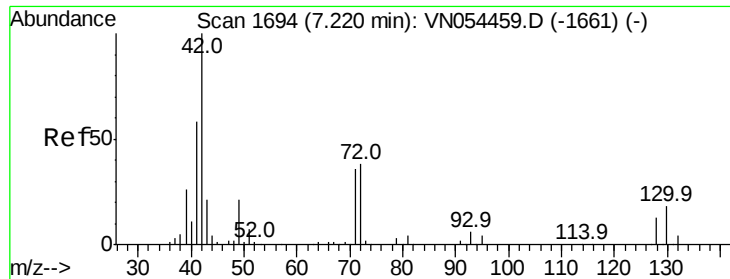
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	49	Resp:	94303
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	68.0	76.7	115.1#





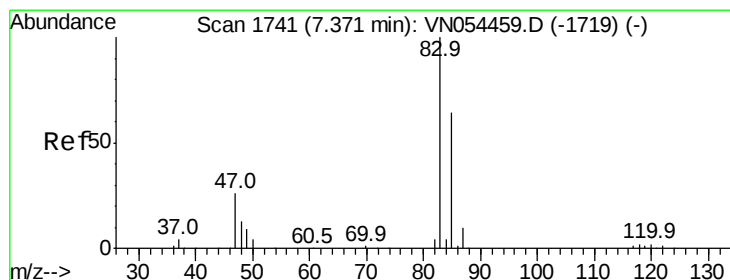
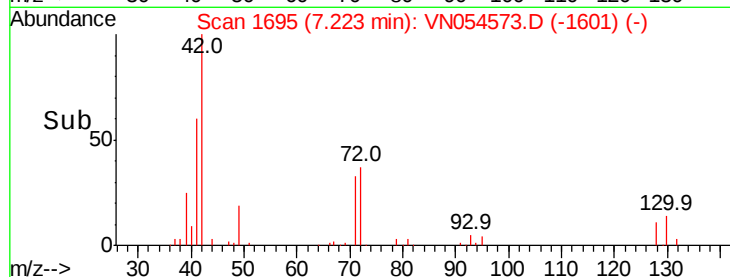
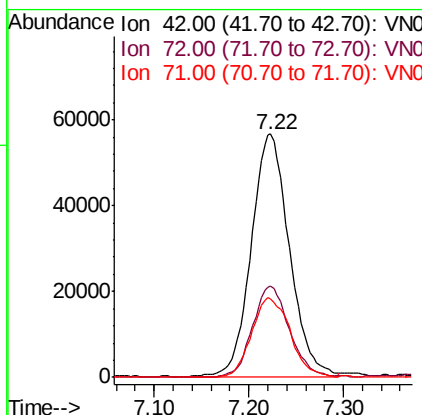
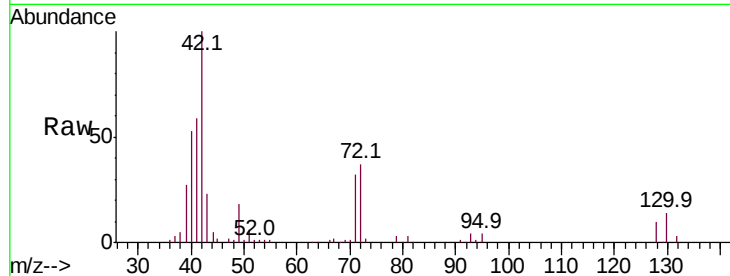
#29
Tetrahydrofuran
Concen: 125.821 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	37.8	56.6#
71	33.2	36.2	54.2#

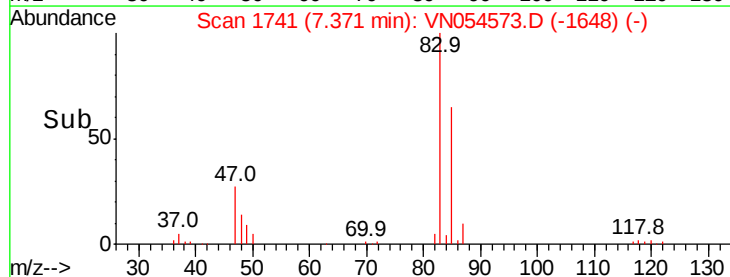
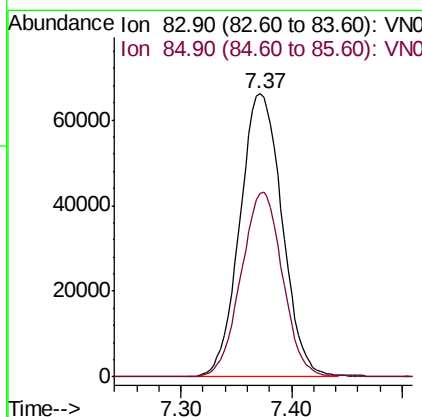
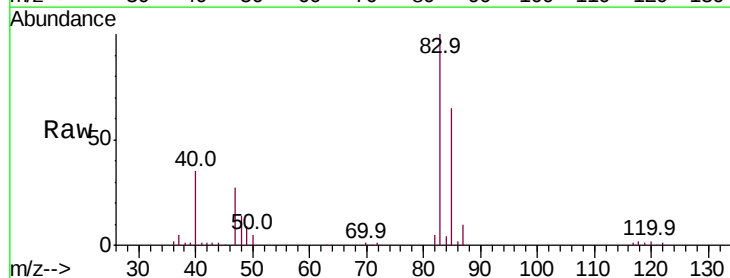
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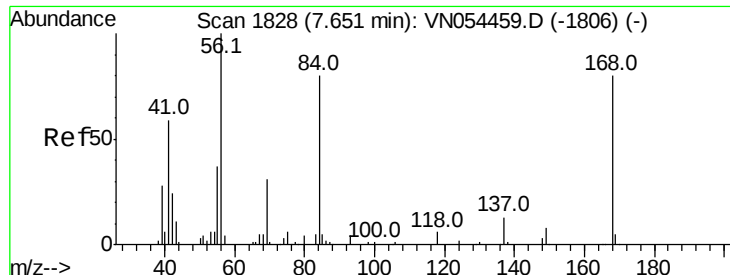
MMDadoda
3/25/2019 4:41:23 PM



#30
Chloroform
Concen: 23.128 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





#31

Cyclohexane

Concen: 21.444 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleID :

VN0322MBS02

Tot Ion: 56 Resp: 168122

Ion Ratio Lower Upper

56 100

69 35.1 27.8 41.6

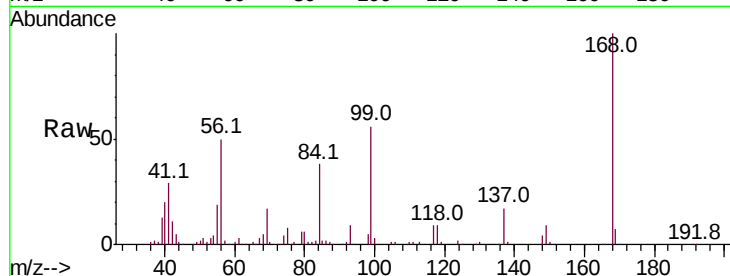
84 74.3 74.6 111.8#

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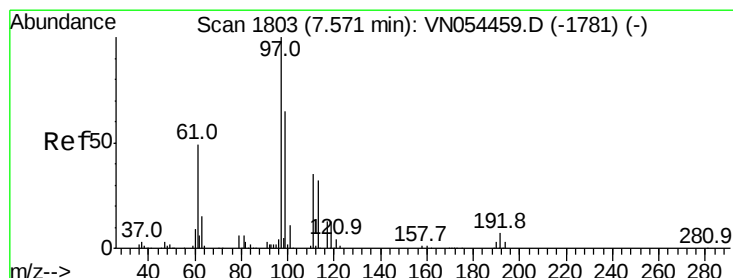
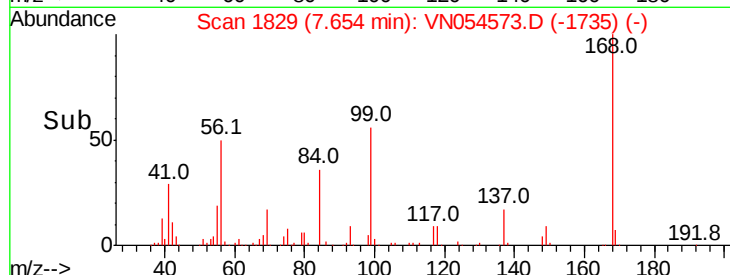
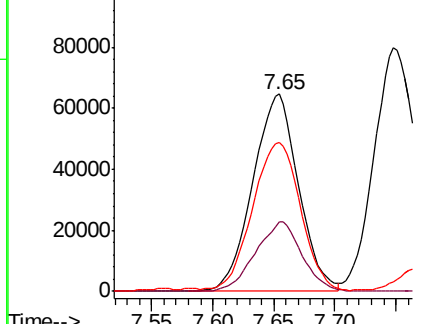
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 22.584 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

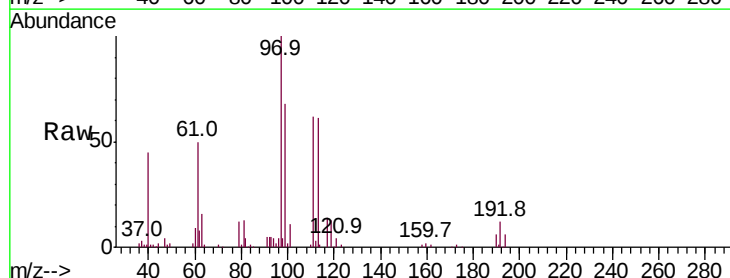
Tgt Ion: 97 Resp: 141763

Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

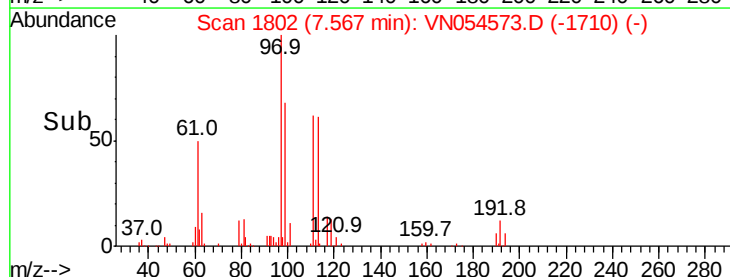
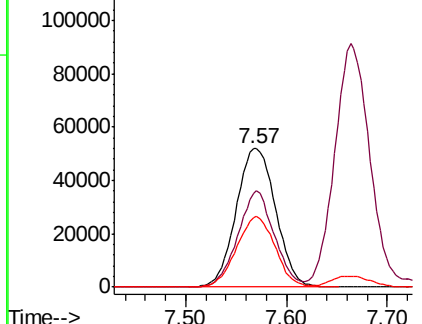
61 49.3 33.6 50.4

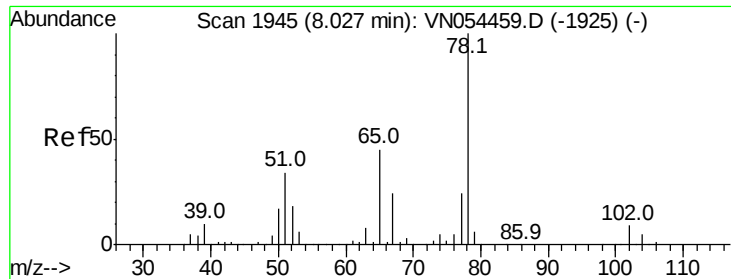


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





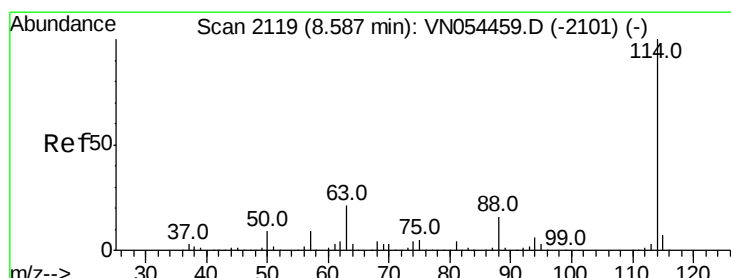
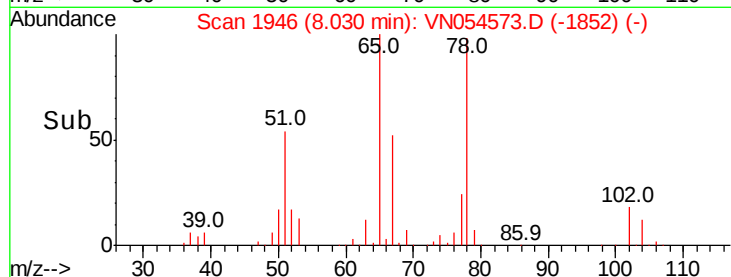
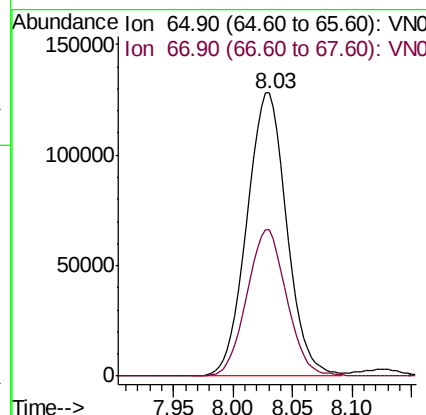
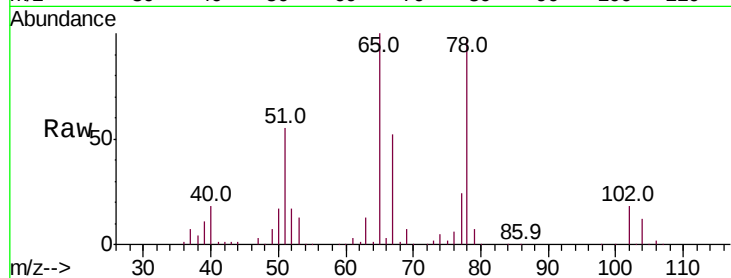
#33
 1,2-Dichloroethane-d4
 Concen: 59.158 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	297395		
67	51.7	0.0	104.6	

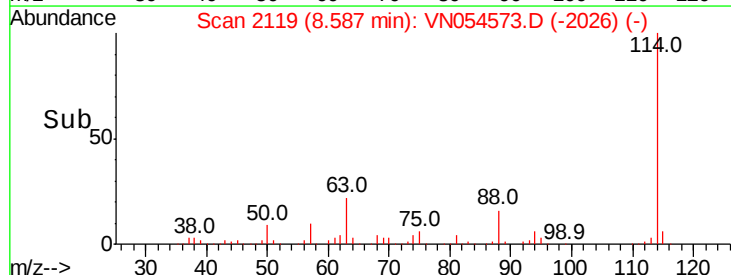
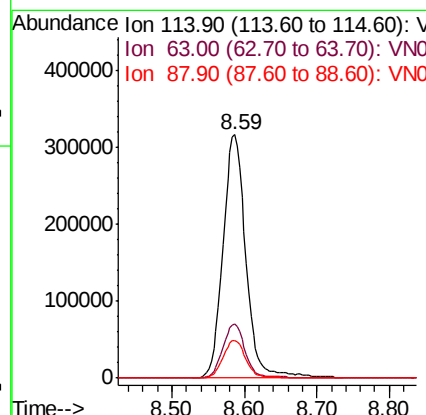
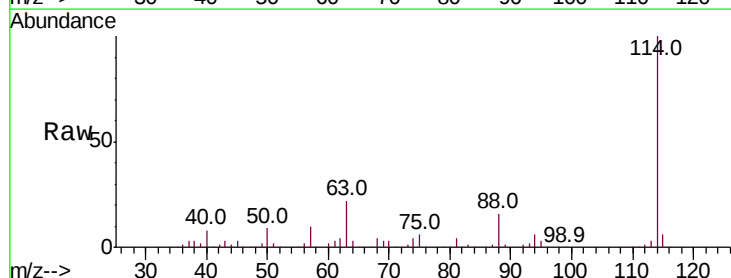
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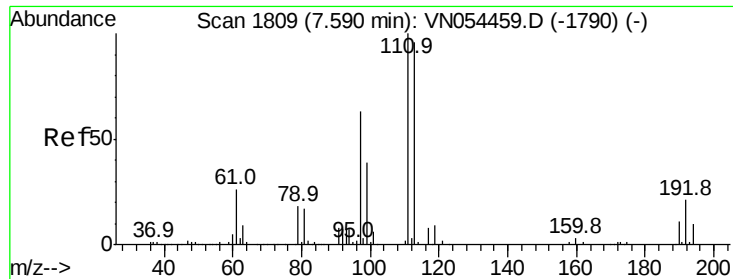
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	696152		
63	22.0	0.0	35.2	
88	15.6	0.0	30.2	





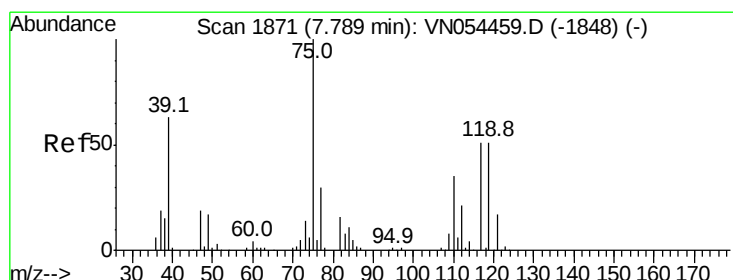
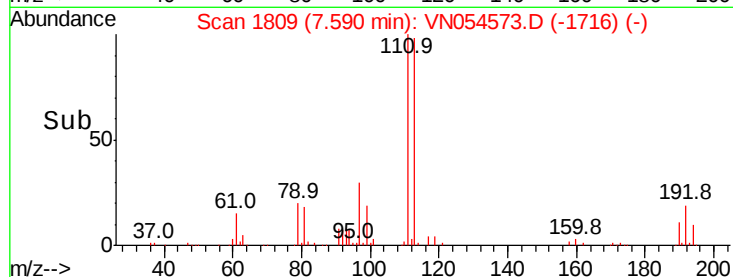
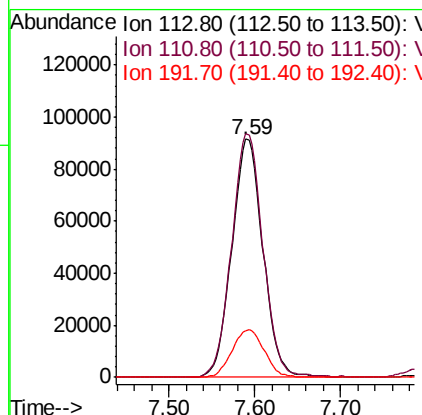
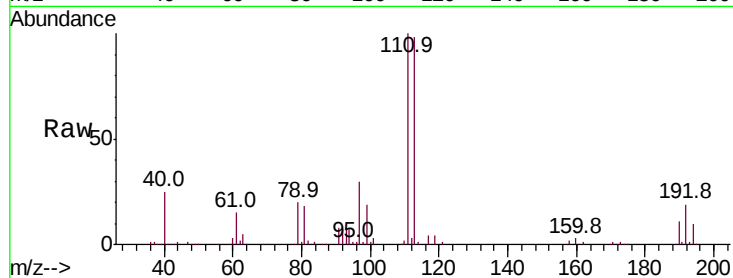
#35
 Dibromofluoromethane
 Concen: 51.256 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	20.7	19.2	28.8

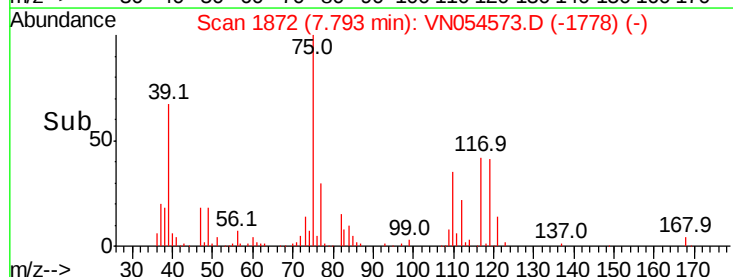
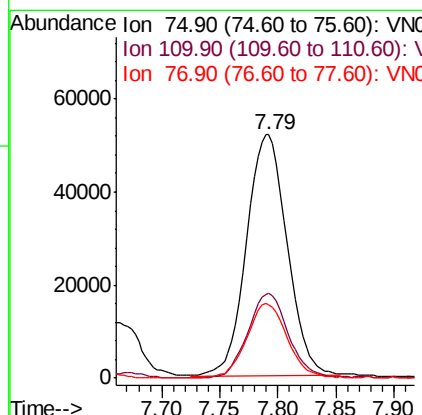
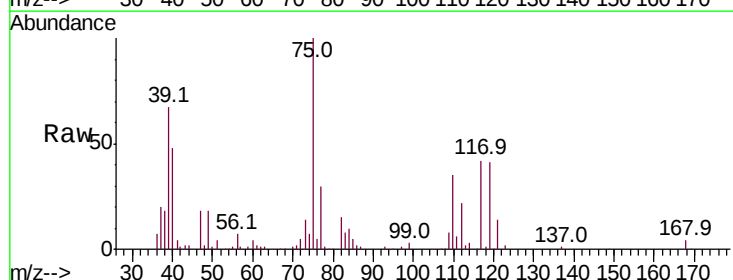
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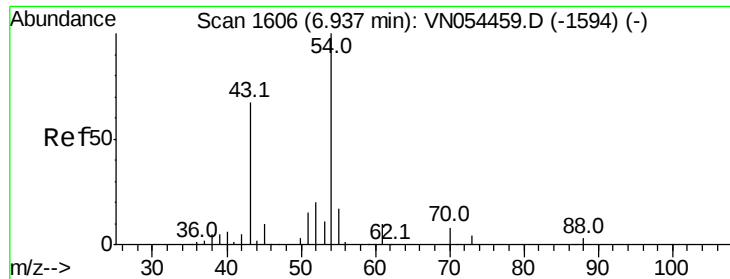
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#36
 1,1-Dichloropropene
 Concen: 19.481 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	19.1	57.5
77	31.1	25.0	37.4





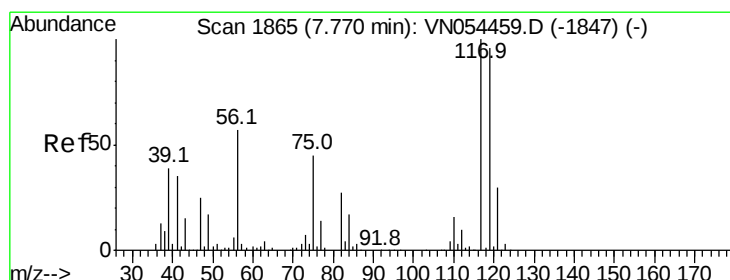
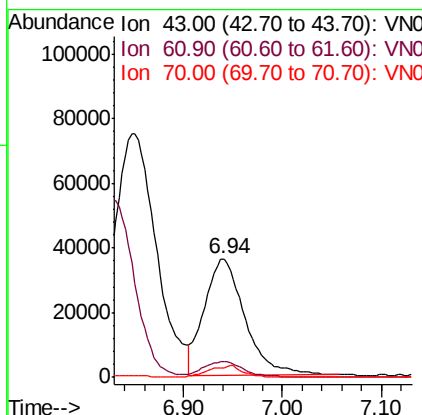
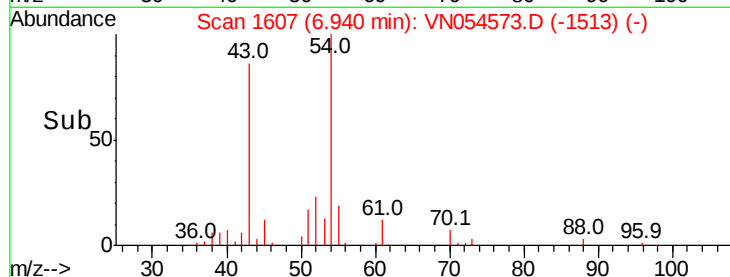
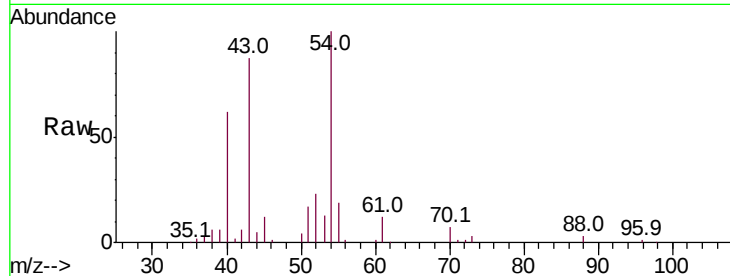
#37
Ethyl Acetate
Concen: 22.206 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.8	17.6
70	8.9	8.4	12.6

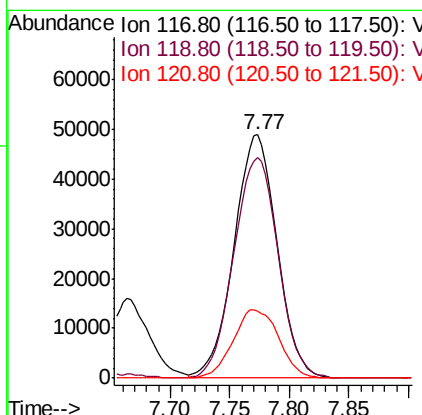
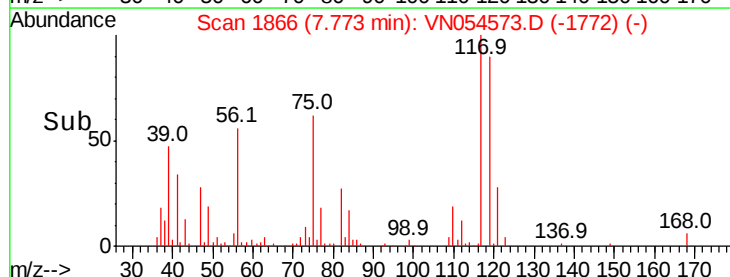
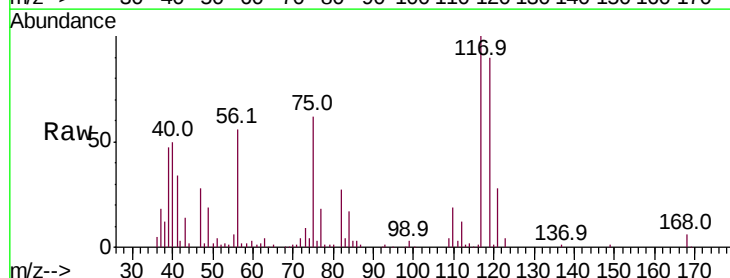
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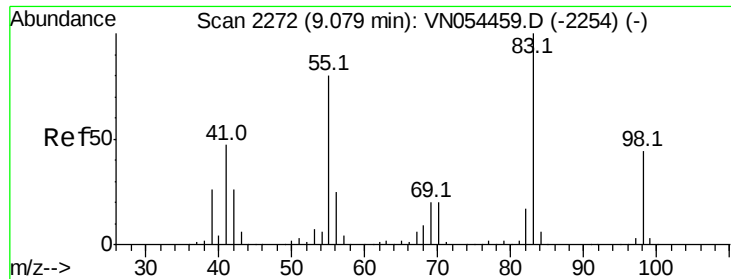
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#38
Carbon Tetrachloride
Concen: 19.210 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.3	114.5
121	27.6	24.6	36.8





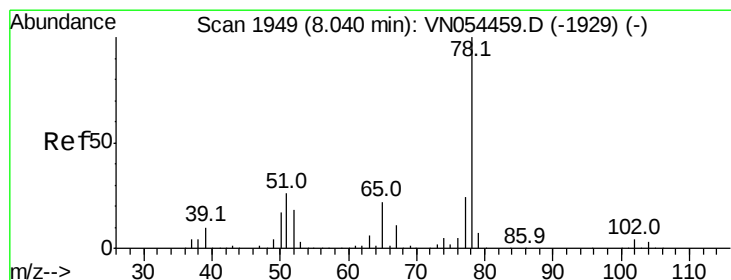
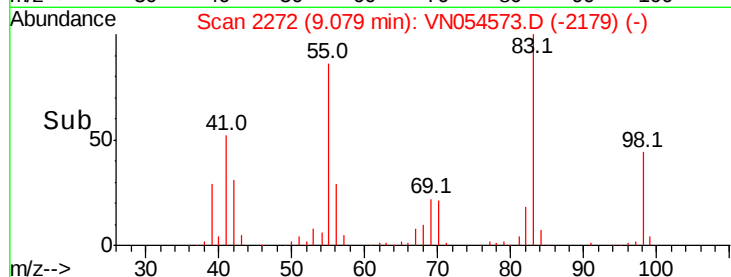
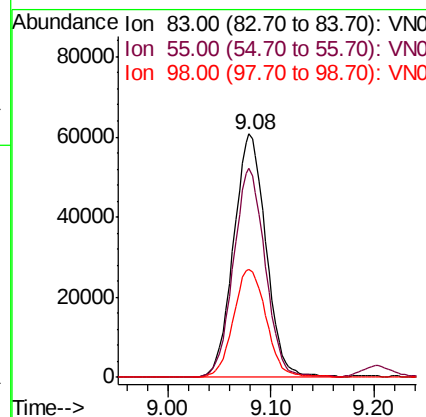
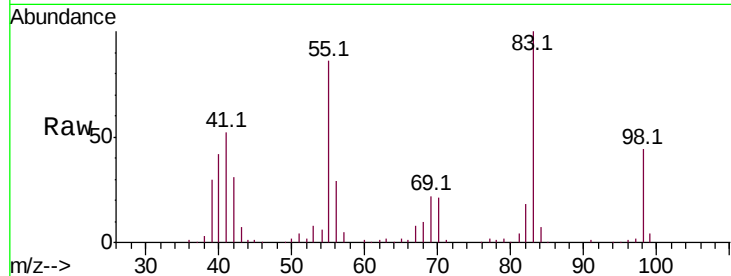
#39
Methvlcvclohexane
Concen: 17.832 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	56.6	84.8#
98	44.1	38.4	57.6

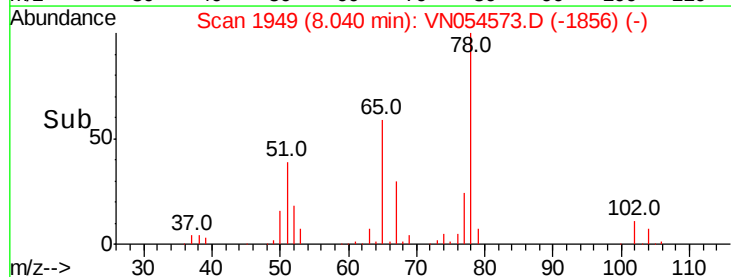
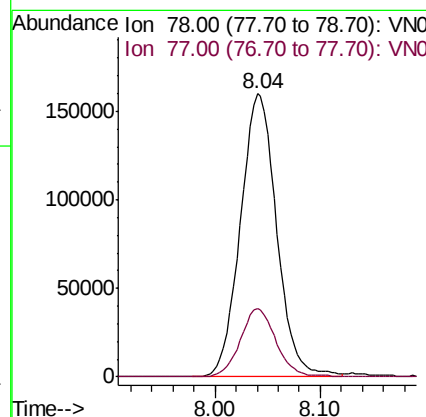
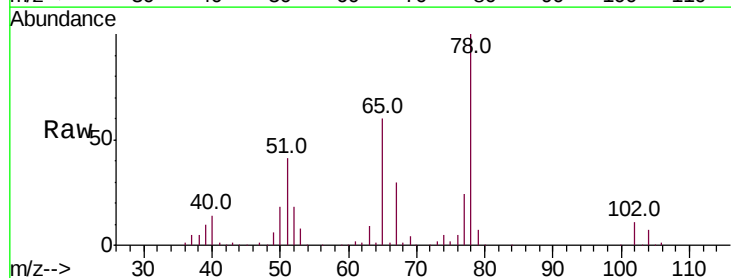
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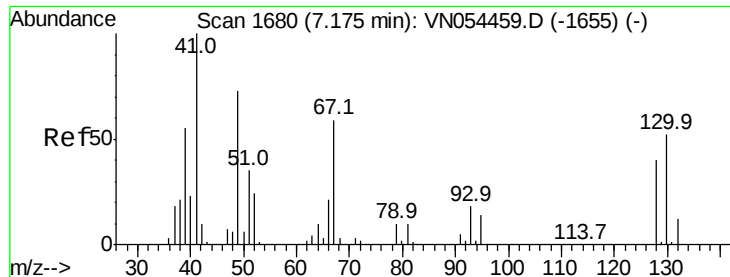
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#40
Benzene
Concen: 20.493 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





#41

Methacrylonitrile

Concen: 13.400 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 41 Resp: 37833
Ion Ratio Lower Upper

41 100

39 92.7 46.8 70.2#

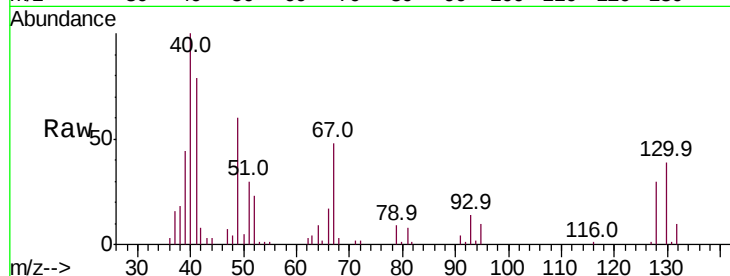
67 105.1 67.0 100.4#

52 44.9 26.5 39.7#

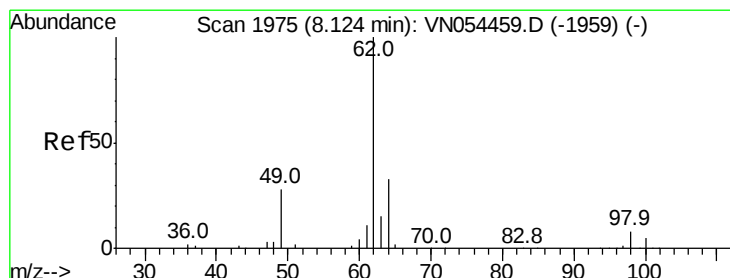
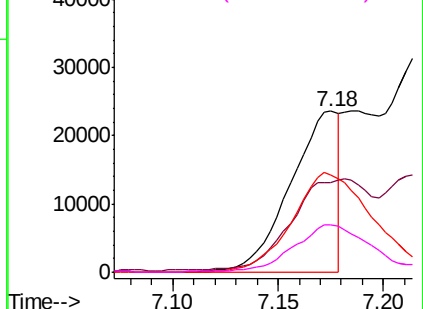
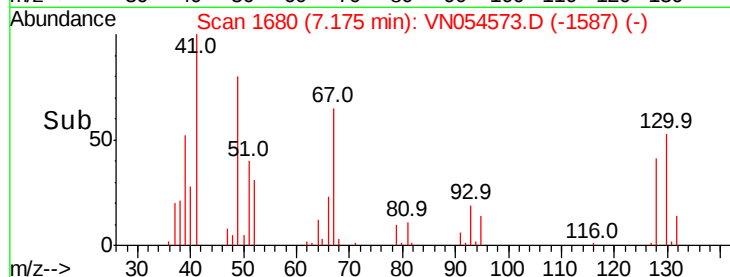
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.897 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

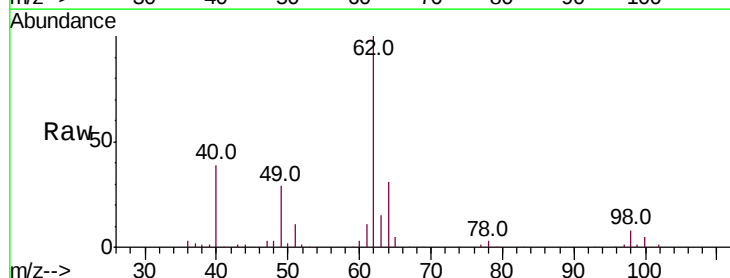
Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

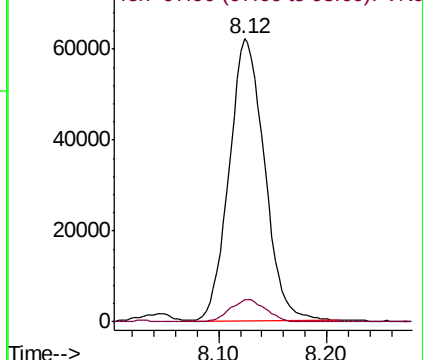
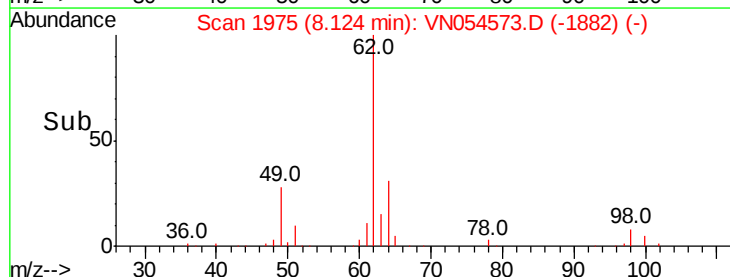
Tgt Ion: 62 Resp: 141648
Ion Ratio Lower Upper

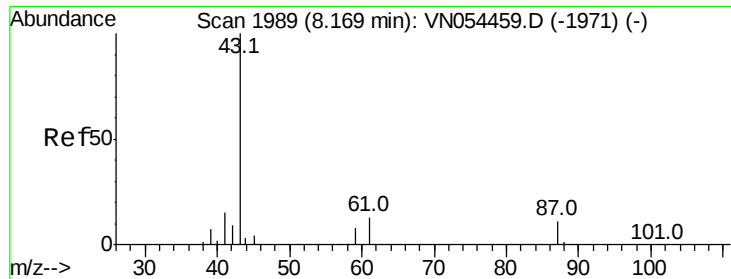
62 100

98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.885 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

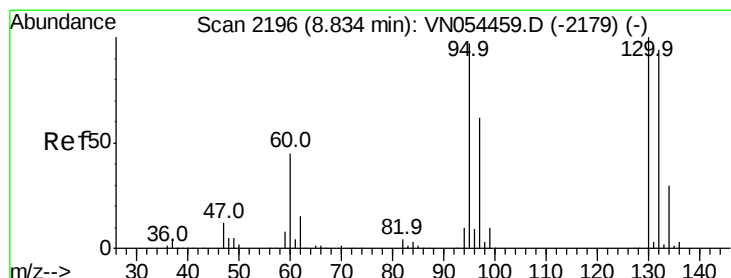
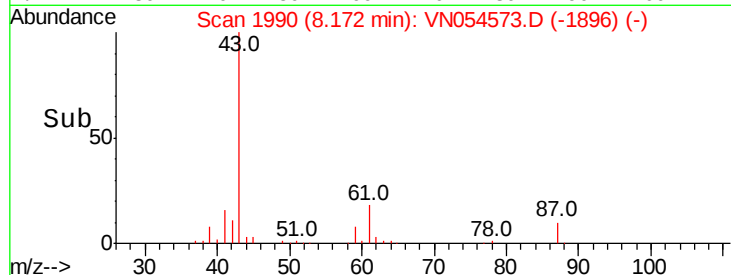
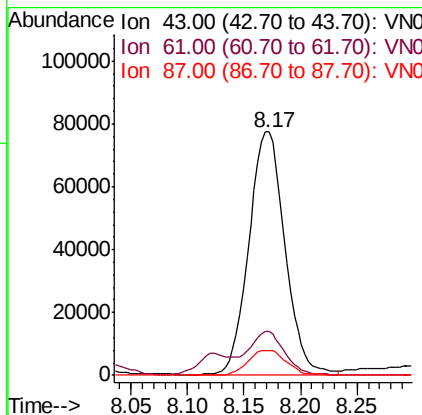
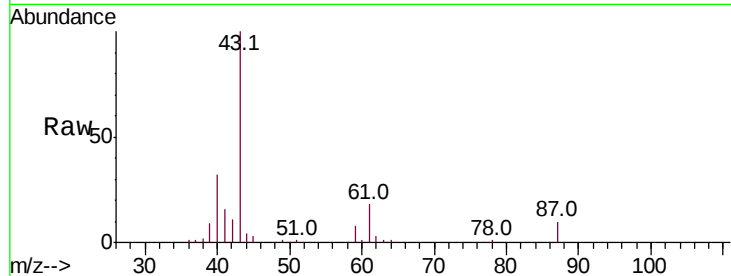
ClientSampleId :

VN0322MBS02

Tot Ion:	43	Resp:	171111
Ion Ratio	Lower	Upper	
43	100		
61	17.4	15.8	23.8
87	11.0	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 19.031 ug/l

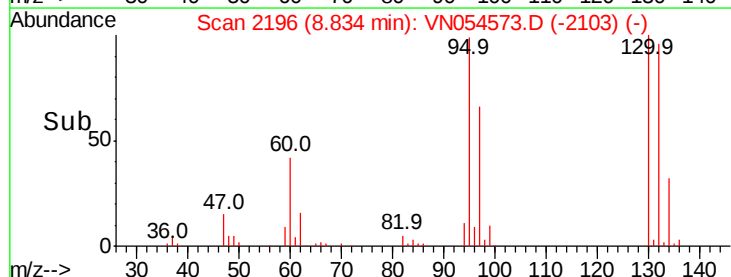
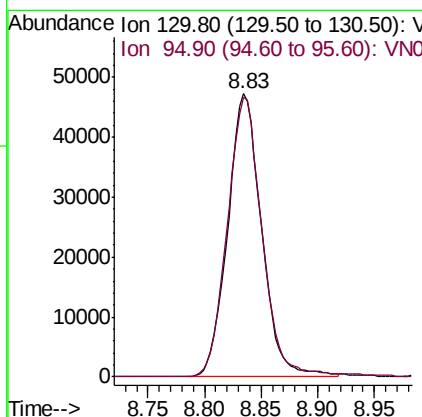
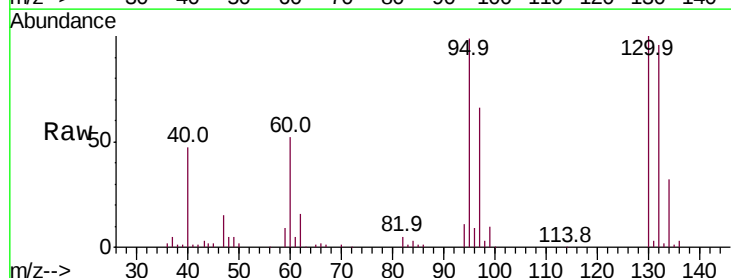
RT: 8.83 min Scan# 2196

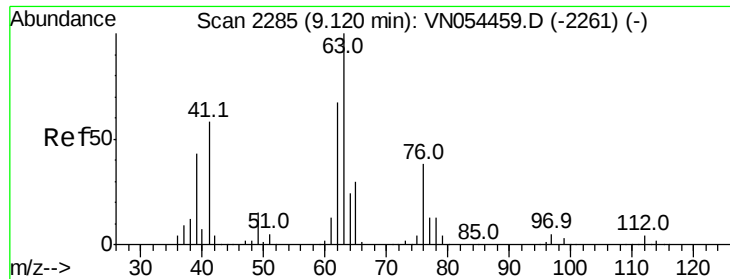
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	130	Resp:	98484
Ion Ratio	Lower	Upper	
130	100		
95	98.8	0.0	185.2





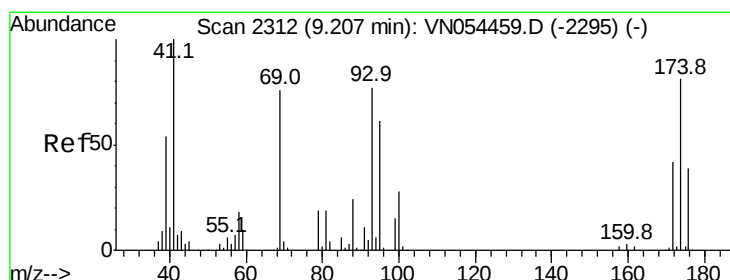
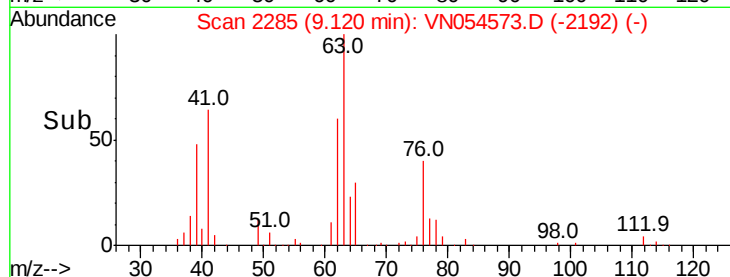
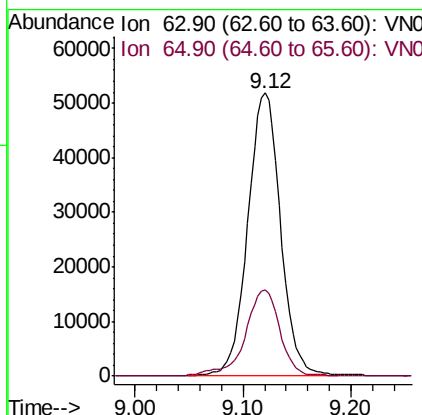
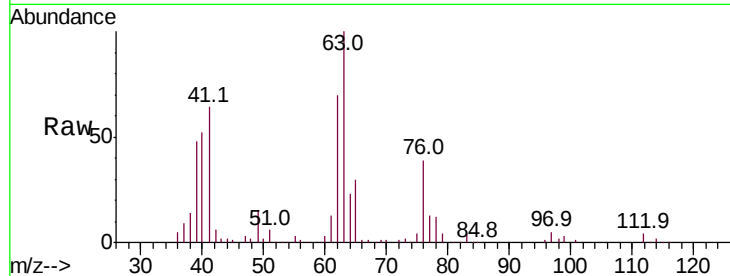
#45
 1,2-Dichloropropane
 Concen: 21.899 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion: 63 Resp: 109449
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

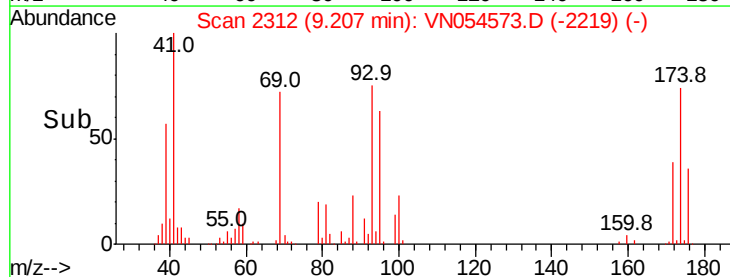
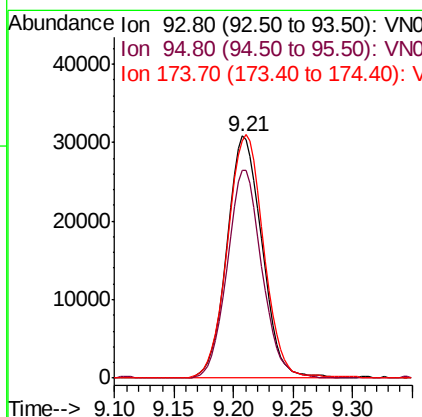
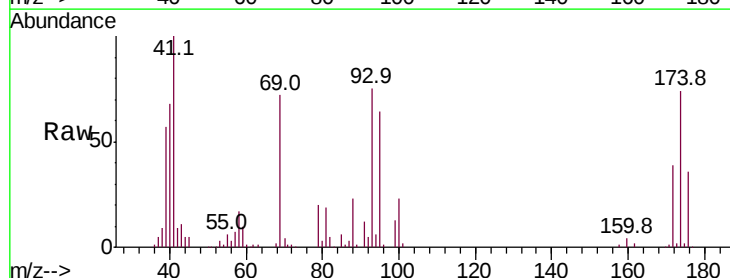
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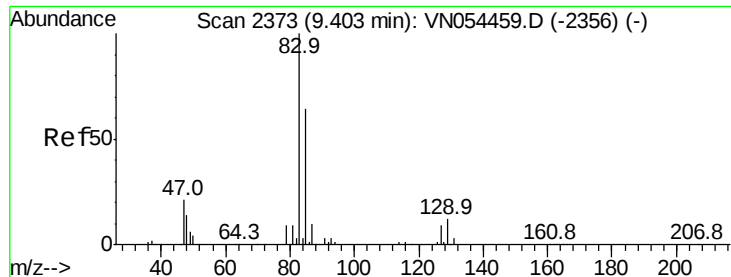
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#46
 Dibromomethane
 Concen: 21.159 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 93 Resp: 63088
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.7 100.1
 174 103.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.439 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

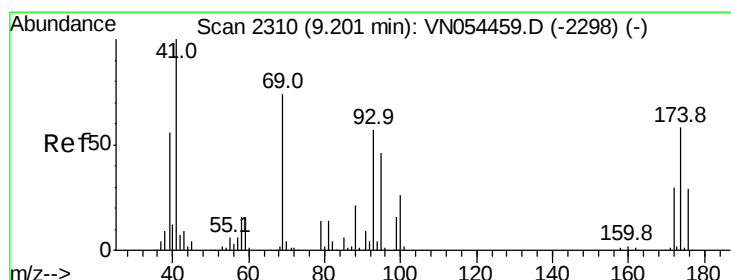
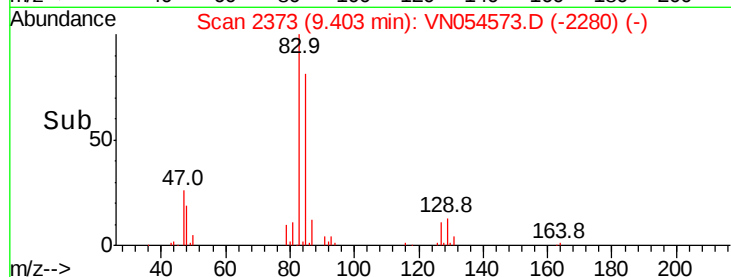
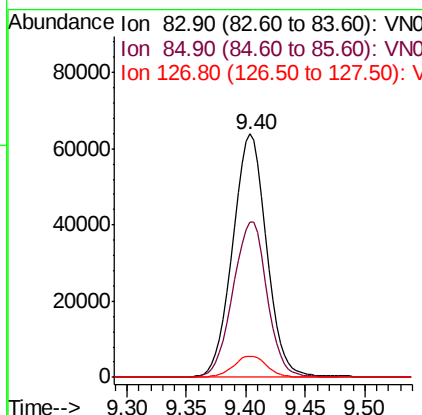
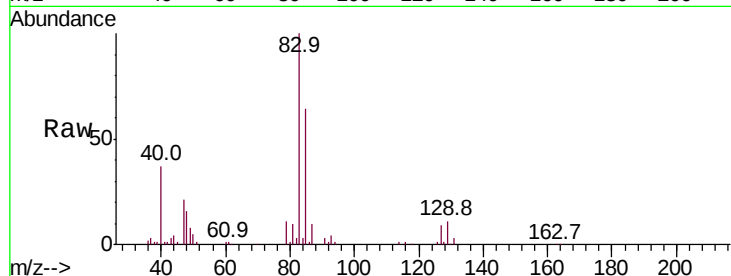
ClientSampleId :

VN0322MBS02

Tot Ion:	83	Resp:	126479
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	8.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.303 ug/l

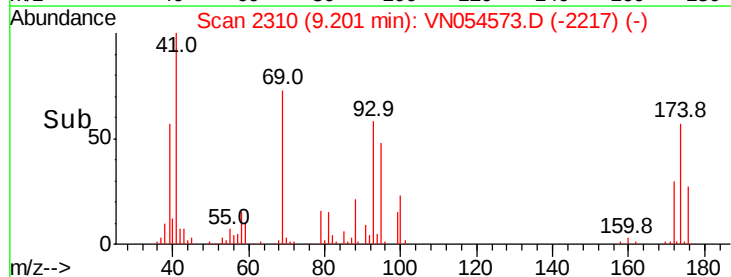
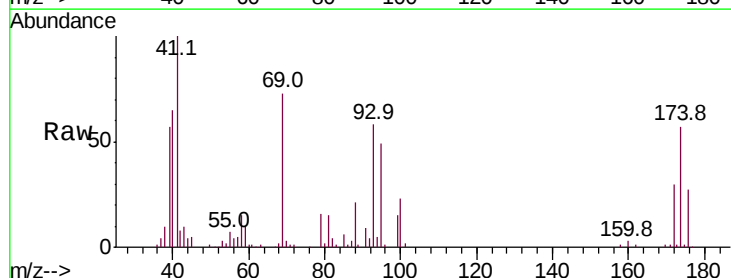
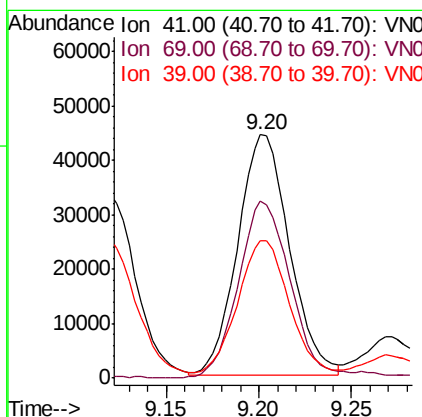
RT: 9.20 min Scan# 2310

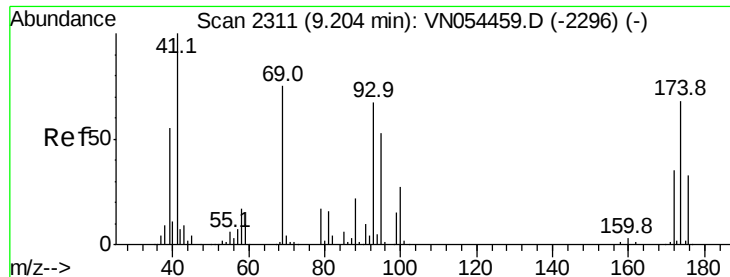
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	41	Resp:	86159
Ion	Ratio	Lower	Upper
41	100		
69	75.0	72.6	108.8
39	55.8	47.5	71.3





#49

1,4-Dioxane

Concen: 428.110 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 88 Resp: 20310

Ion Ratio Lower Upper

88 100

43 38.3 24.1 36.1#

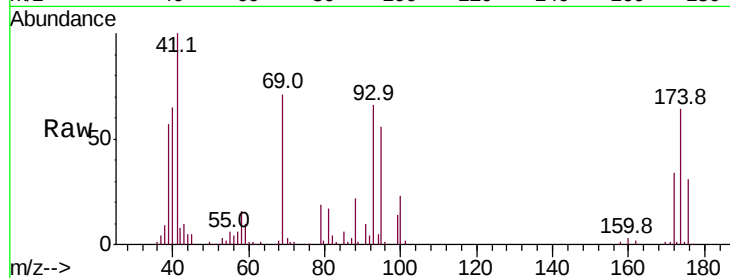
58 74.0 50.8 76.2

Manual Integrations

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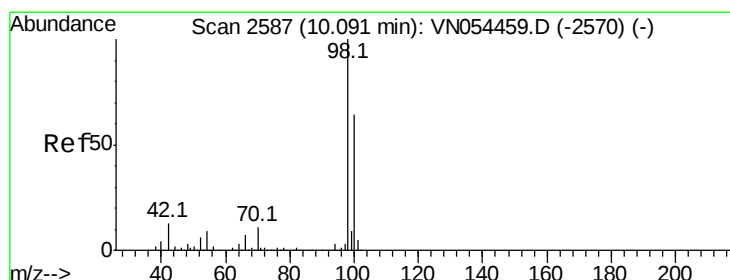
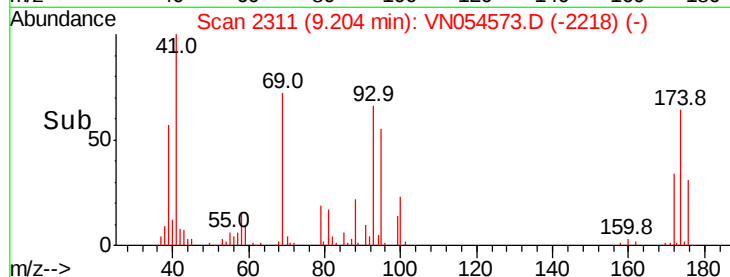
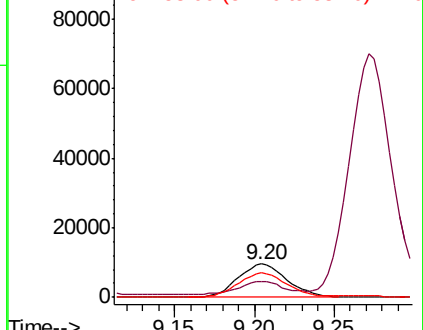
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Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.889 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054573.D

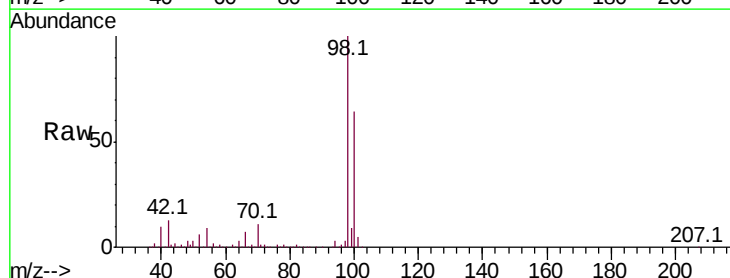
Acq: 22 Mar 2019 23:07

Tgt Ion: 98 Resp: 841161

Ion Ratio Lower Upper

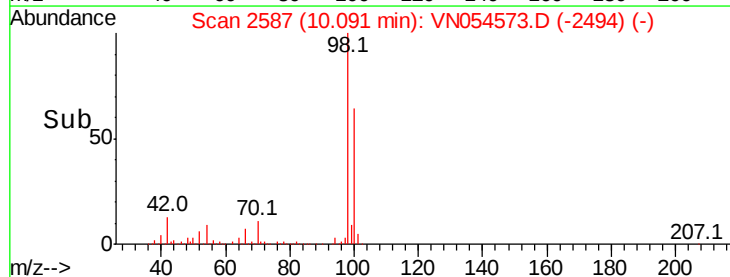
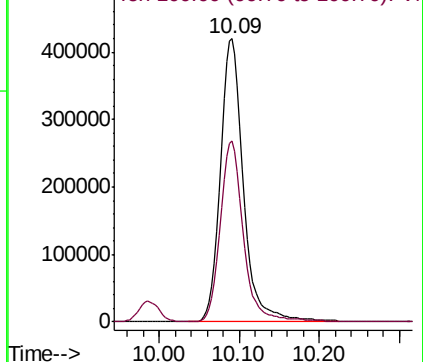
98 100

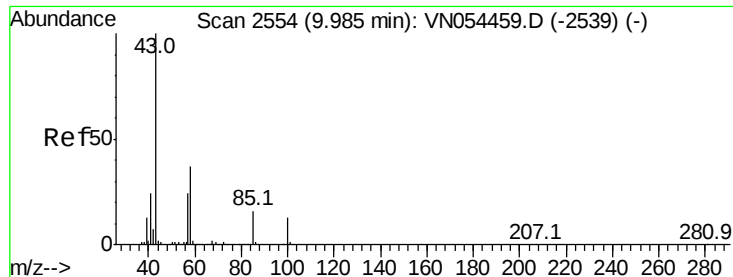
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 111.286 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 43 Resp: 482208

Ion Ratio Lower Upper

43 100

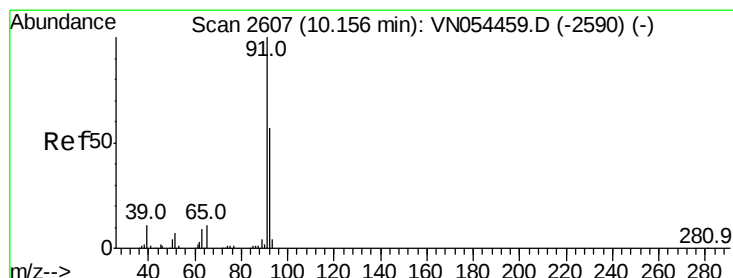
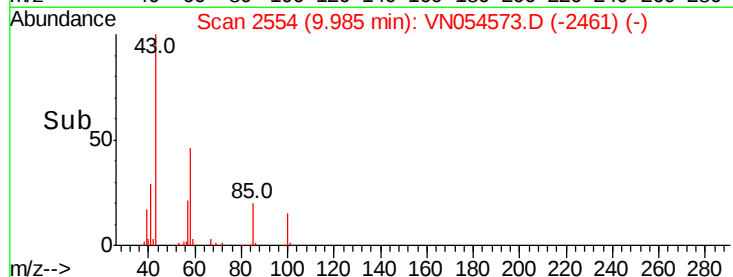
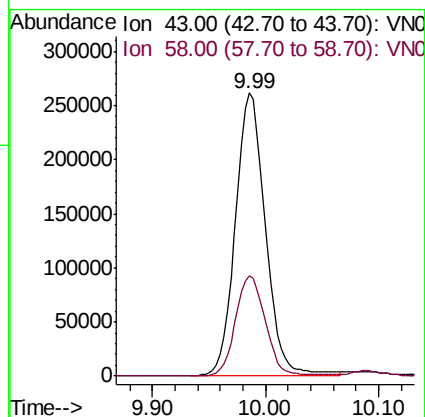
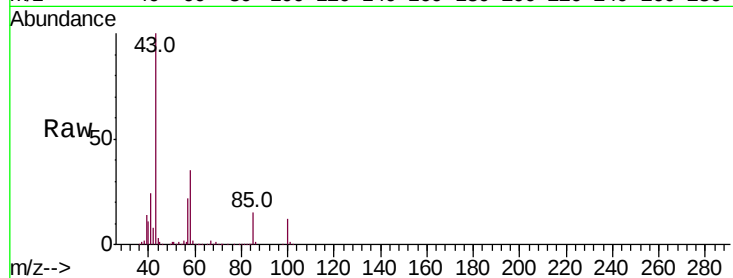
58 35.7 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 19.737 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054573.D

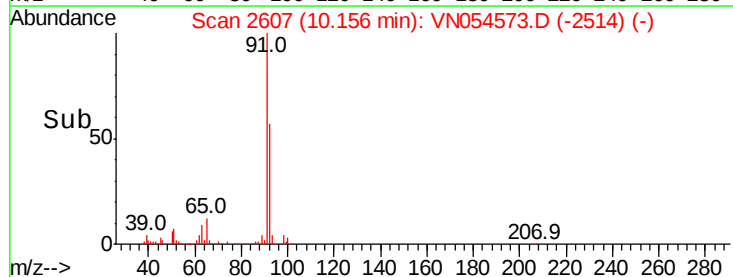
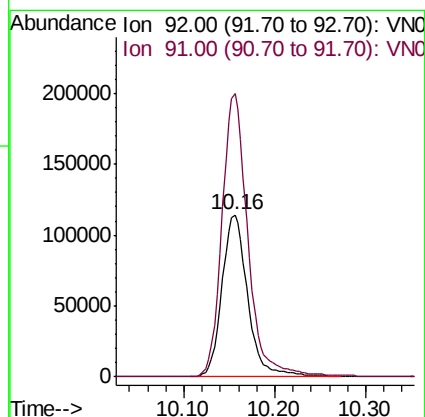
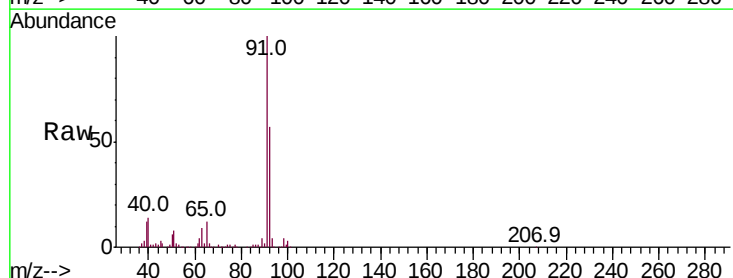
Acq: 22 Mar 2019 23:07

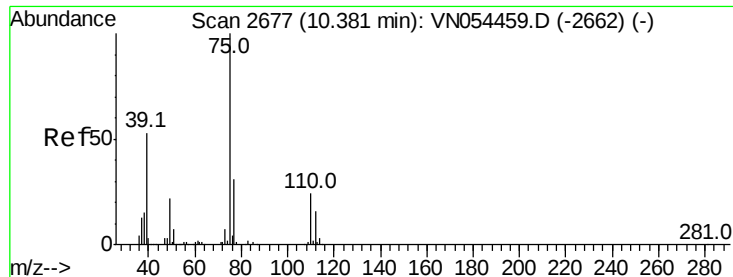
Tgt Ion: 92 Resp: 225951

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.202 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 75 Resp: 109121

Ion Ratio Lower Upper

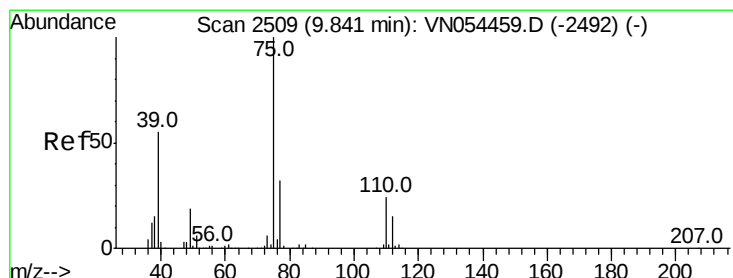
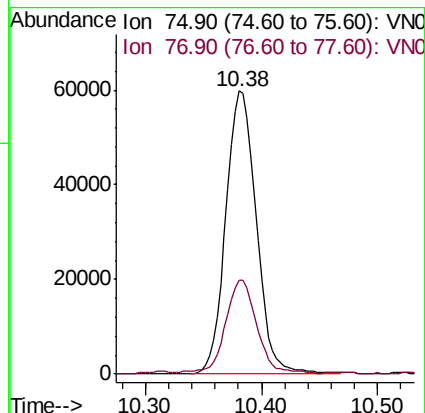
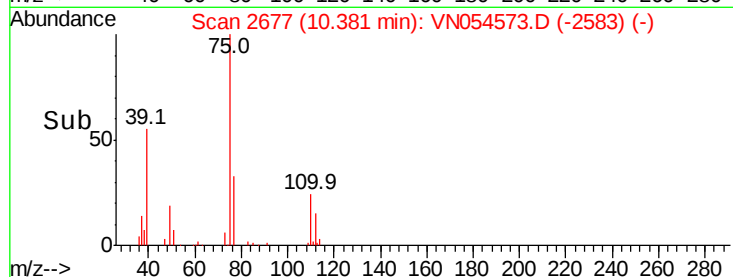
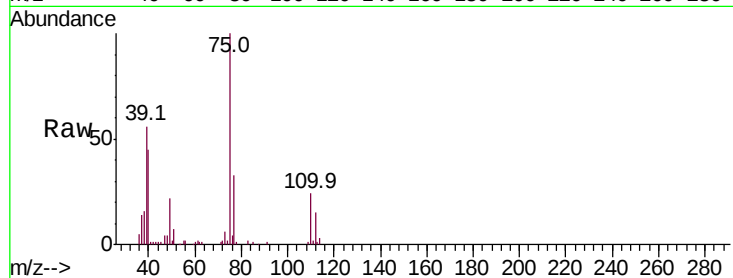
75 100

77 32.6 25.8 38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.512 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

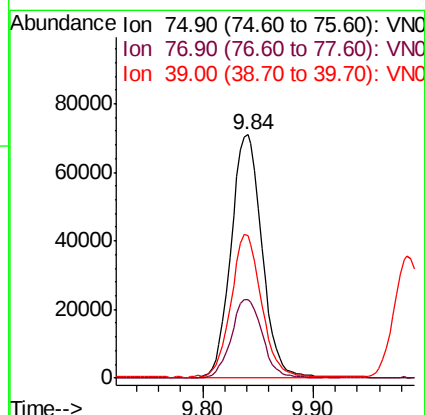
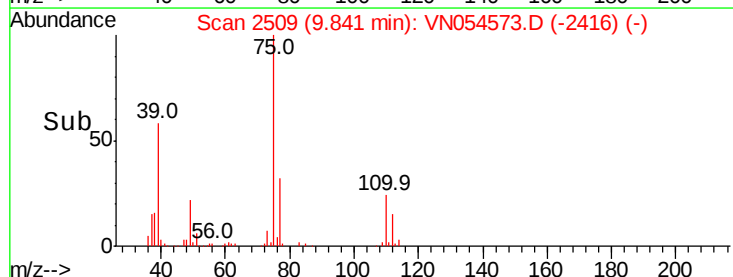
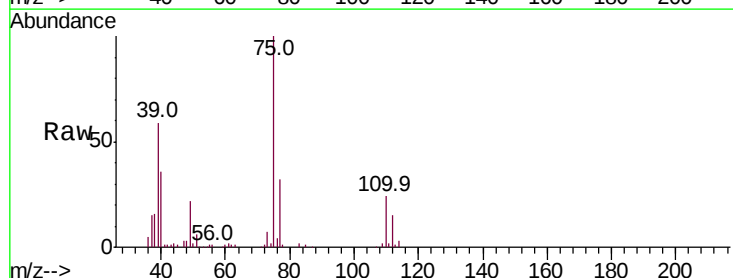
Tgt Ion: 75 Resp: 138441

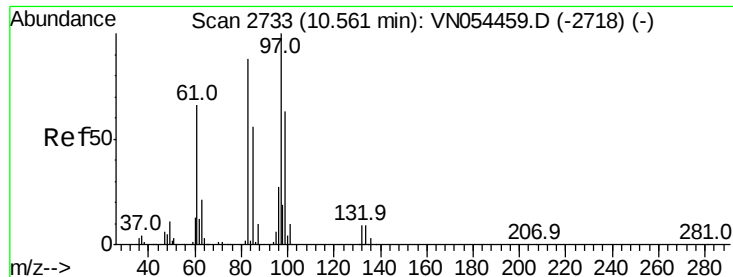
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 58.1 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 20.605 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 97 Resp: 84793

Ion Ratio Lower Upper

97 100

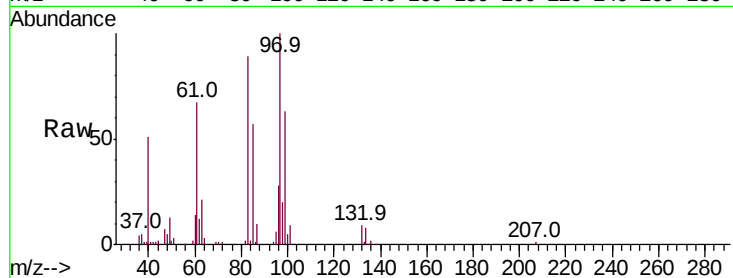
83 89.2 66.6 100.0

85 57.3 44.4 66.6

99 62.7 50.8 76.2

Manual Integrations
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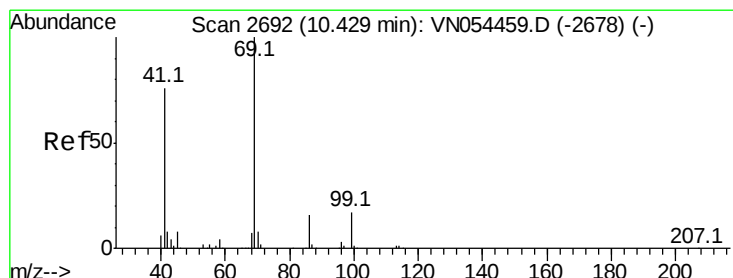
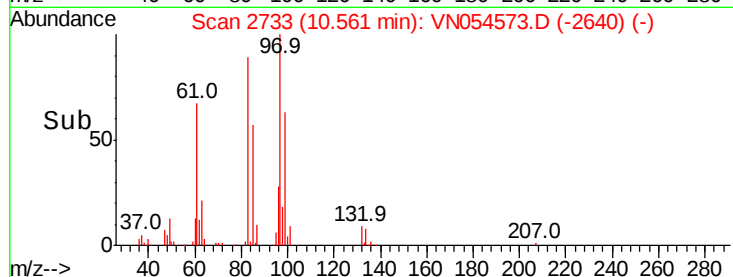
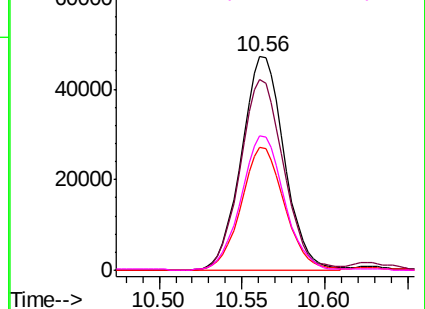


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.850 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

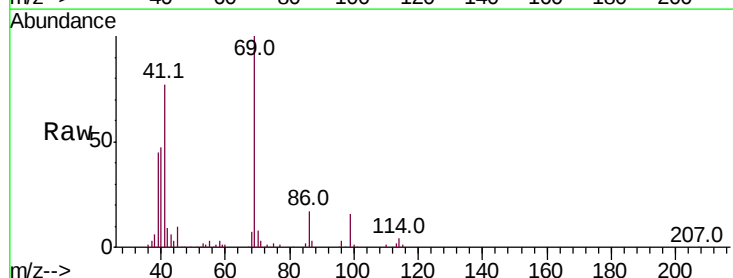
Tgt Ion: 69 Resp: 109639

Ion Ratio Lower Upper

69 100

41 76.1 49.4 74.2#

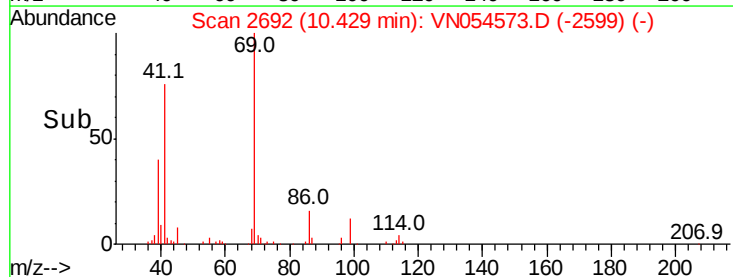
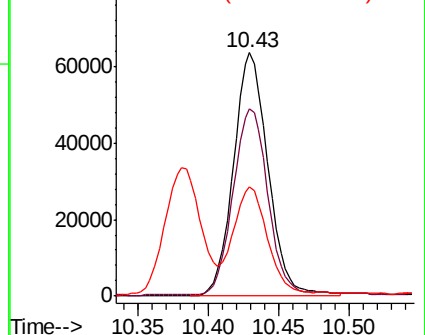
39 42.7 28.3 42.5#

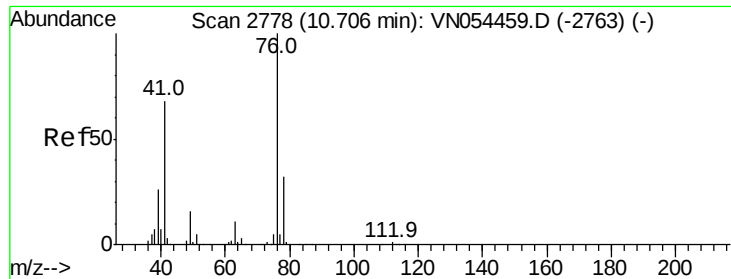


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.972 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 76 Resp: 150023

Ion Ratio Lower Upper

76 100

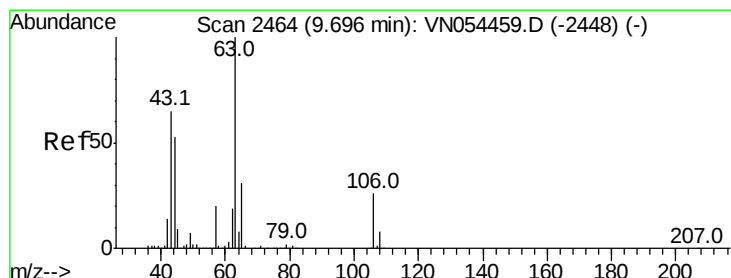
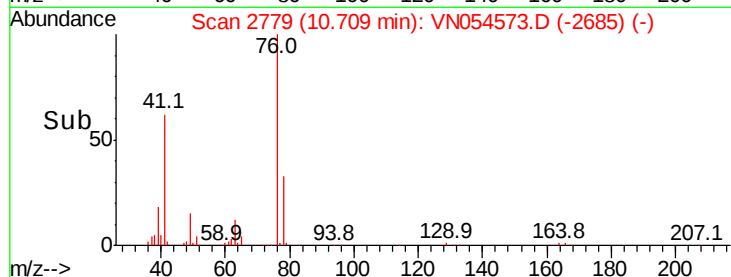
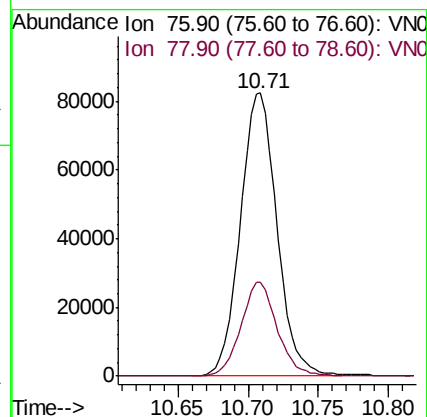
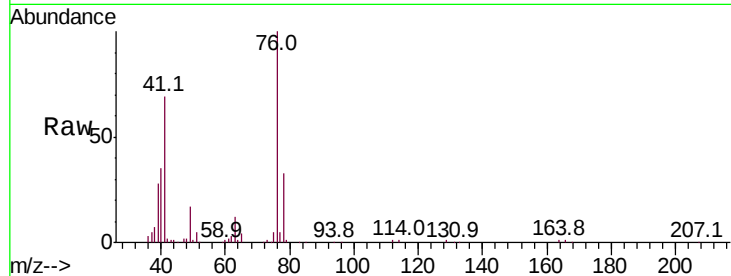
78 32.9 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.283 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054573.D

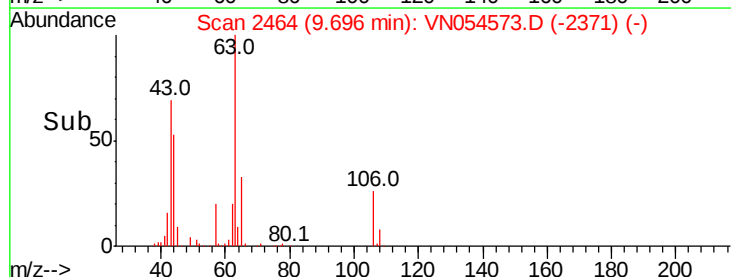
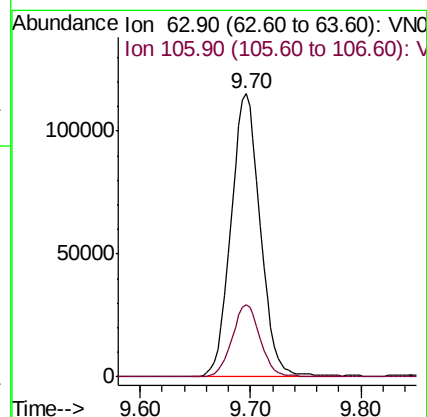
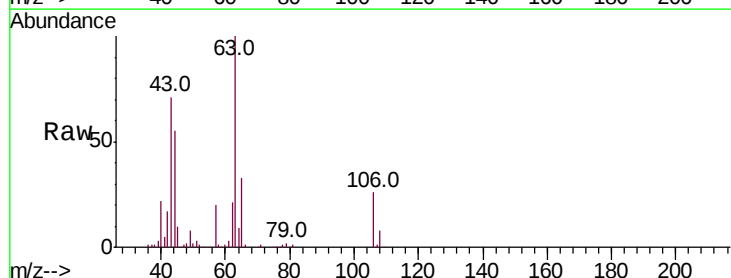
Acq: 22 Mar 2019 23:07

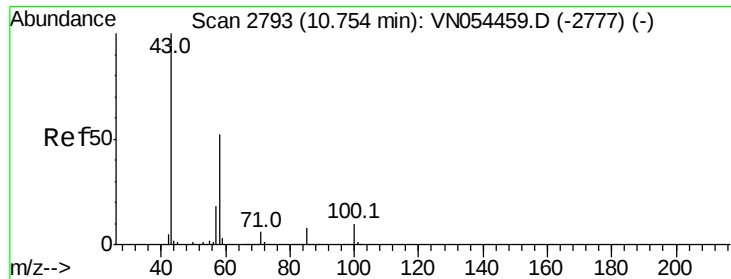
Tgt Ion: 63 Resp: 212160

Ion Ratio Lower Upper

63 100

106 24.6 24.4 36.6





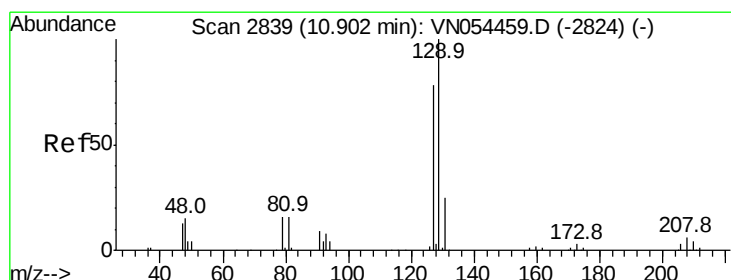
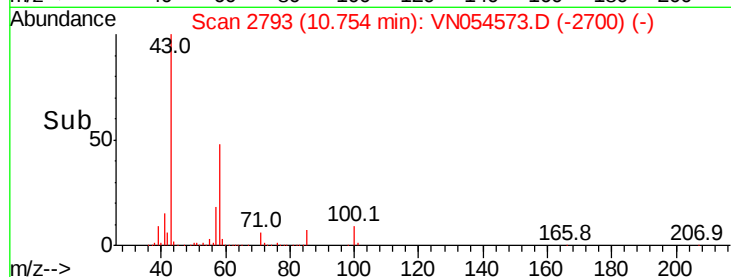
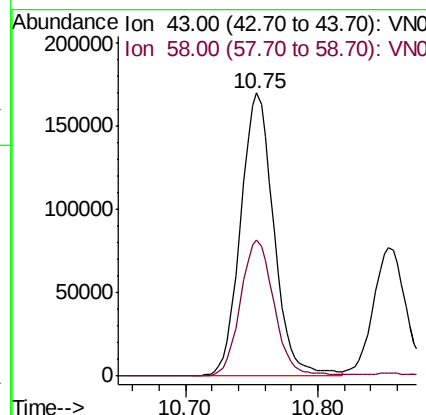
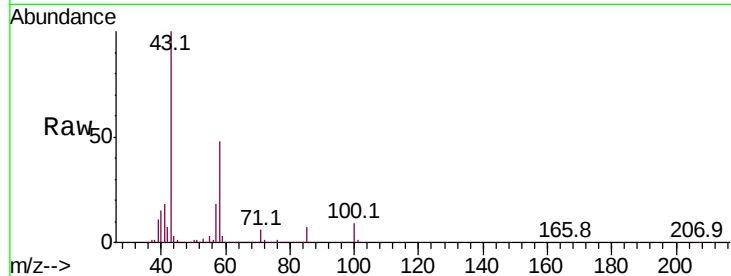
#59
2-Hexanone
Concen: 103.558 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion: 43 Resp: 293102
Ion Ratio Lower Upper
43 100
58 49.3 28.0 83.9

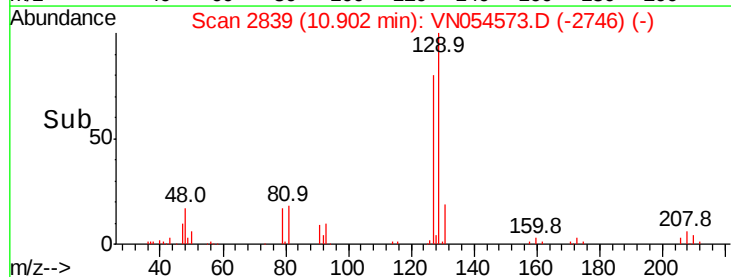
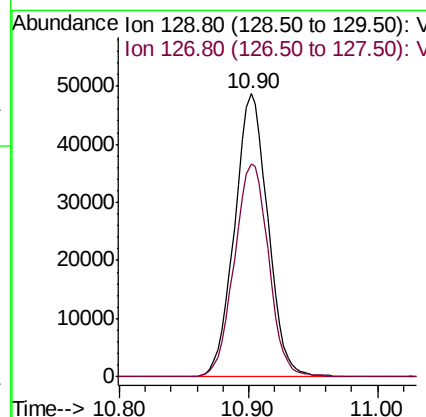
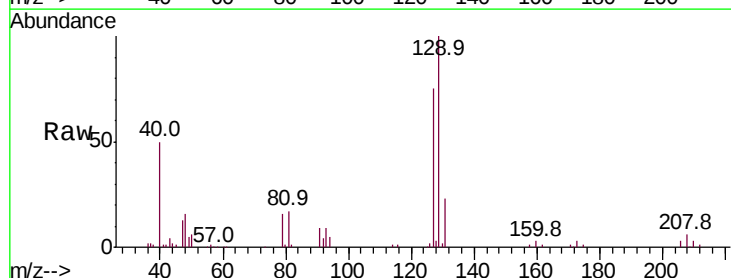
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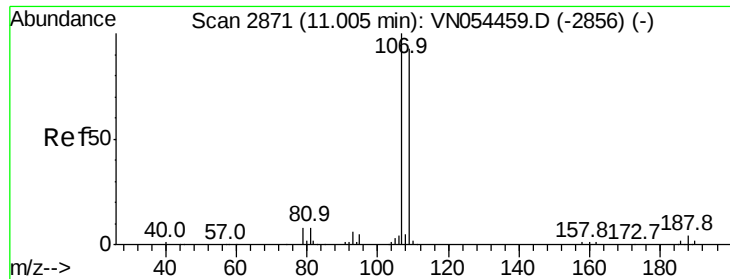
MMDadoda
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#60
Dibromochloromethane
Concen: 19.946 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 129 Resp: 87342
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





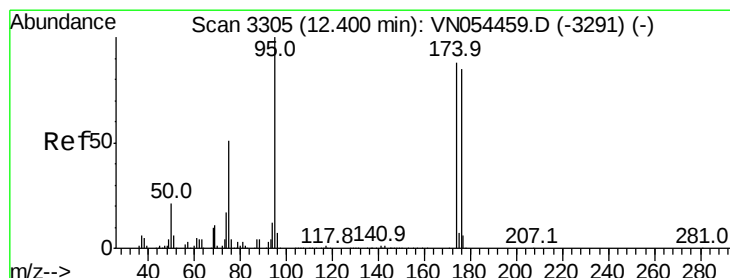
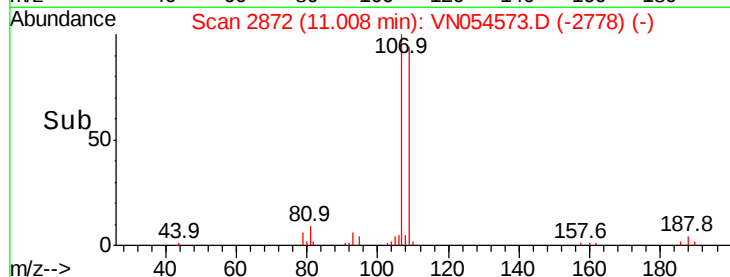
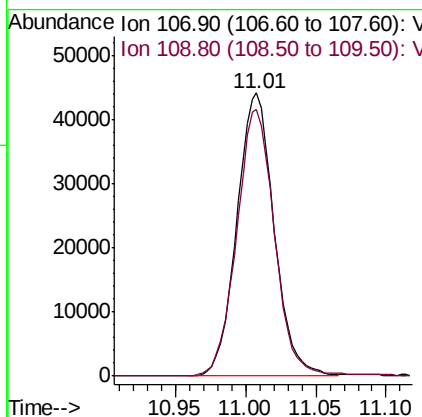
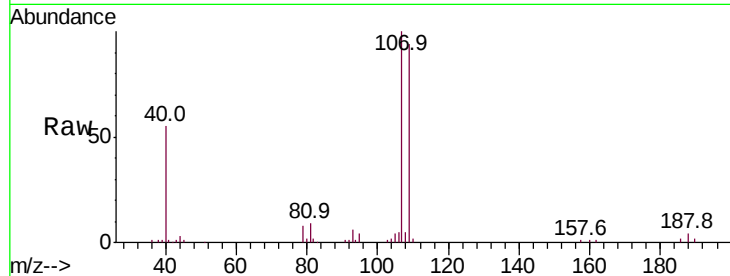
#61
 1,2-Dibromoethane
 Concen: 20.119 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion:107 Resp: 81851
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.9 113.9

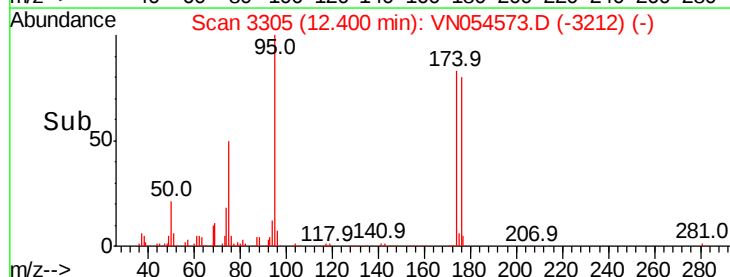
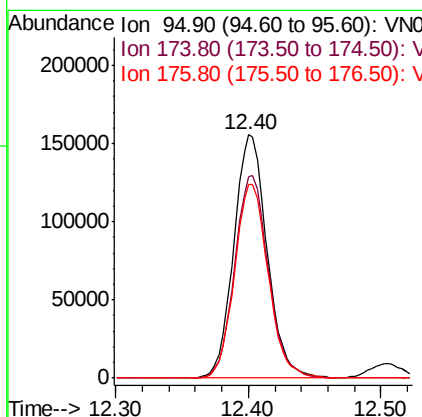
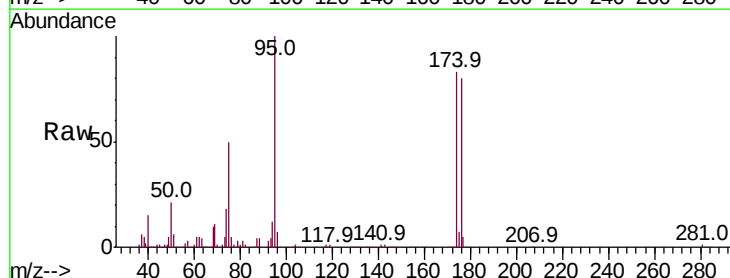
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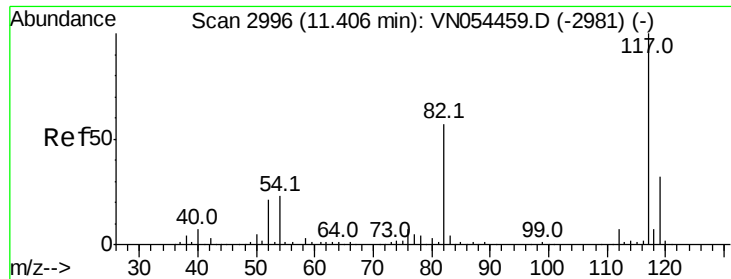
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.238 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 95 Resp: 271022
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 191.0
 176 80.6 0.0 187.4





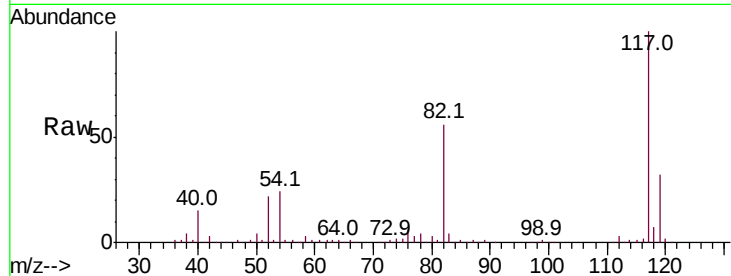
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	592886		
82	56.0		40.0	60.0
119	32.2		25.8	38.6

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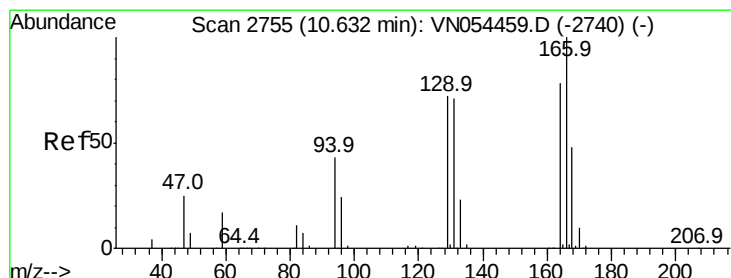
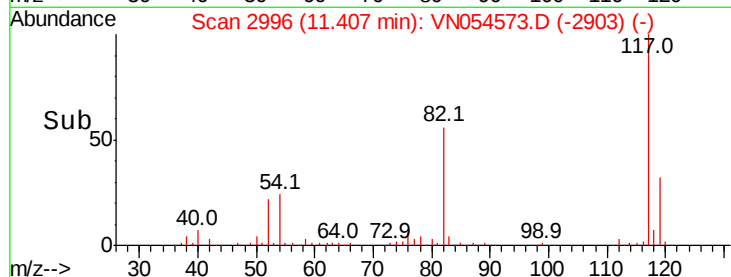
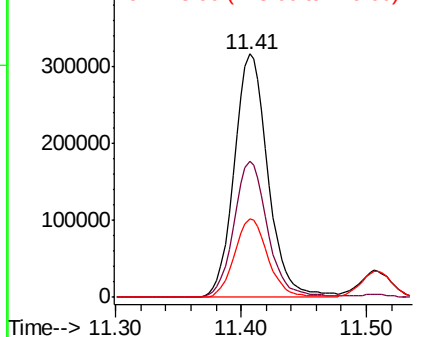


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.466 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95730		
166	129.2		103.9	155.9
129	91.8		71.1	106.7
131	93.5		68.2	102.4

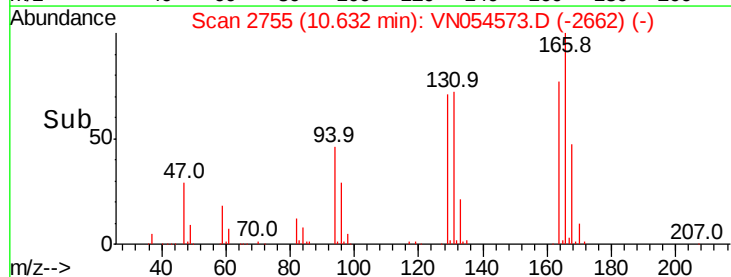
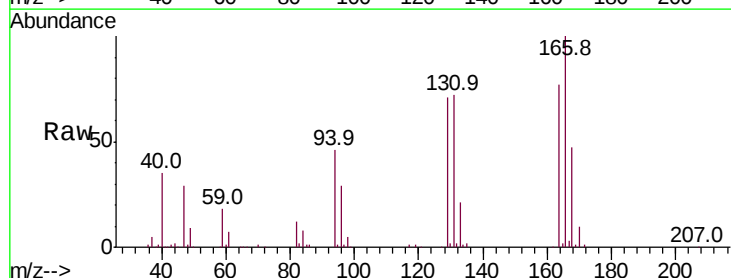
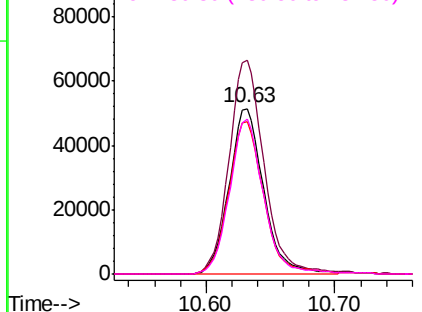
Abundance

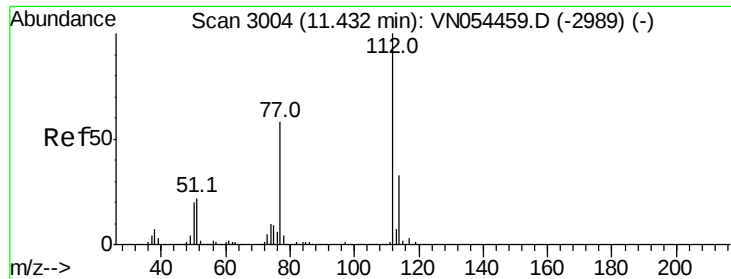
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





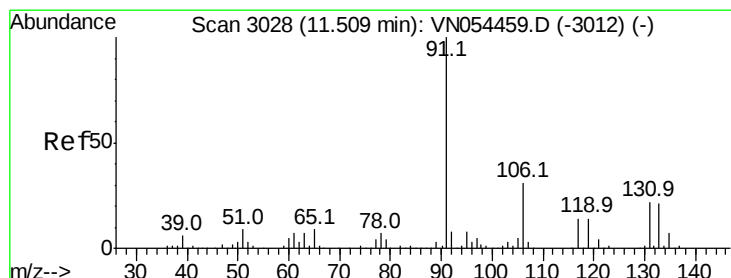
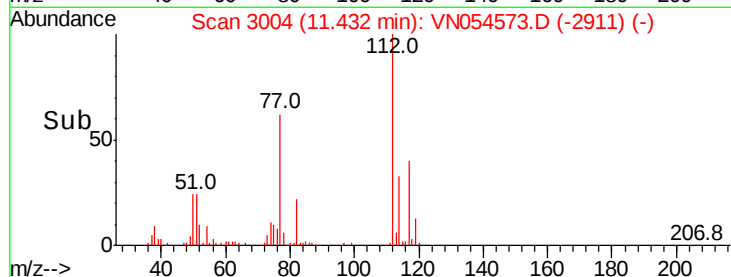
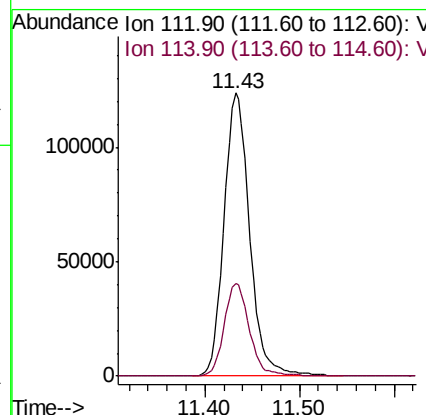
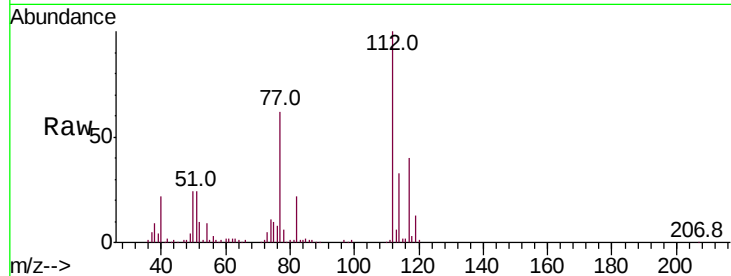
#65
Chlorobenzene
Concen: 19.323 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampled :
VN0322MBS02

Tot Ion:112 Resp: 233005
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

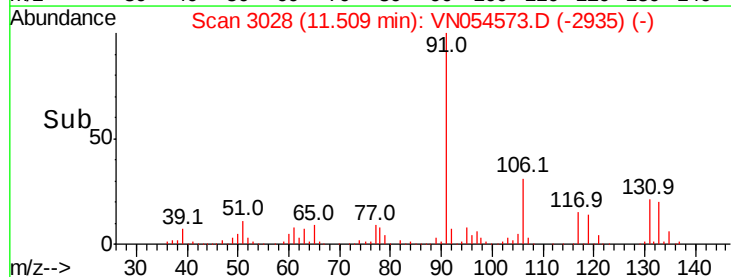
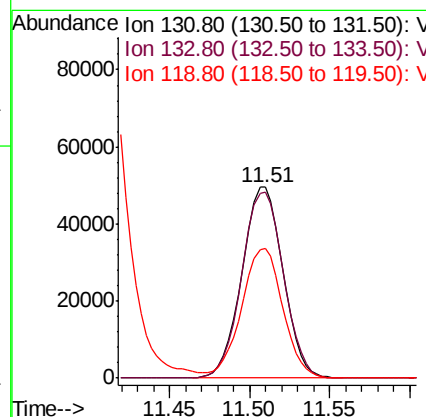
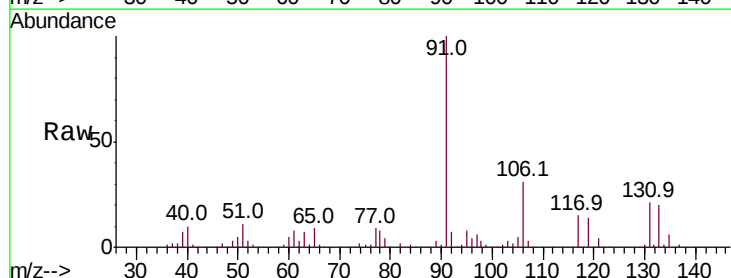
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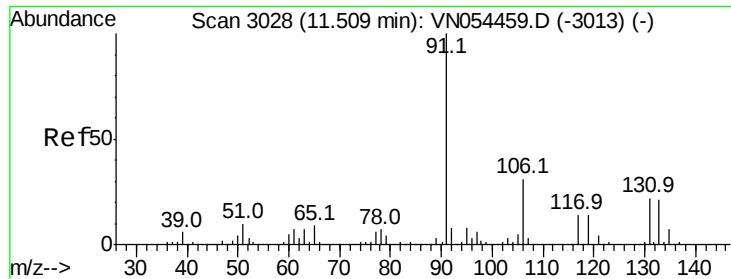
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion:131 Resp: 86843
Ion Ratio Lower Upper
131 100
133 99.0 47.6 142.9
119 68.4 32.4 97.0





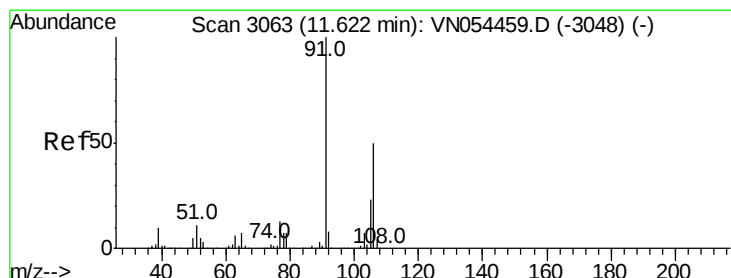
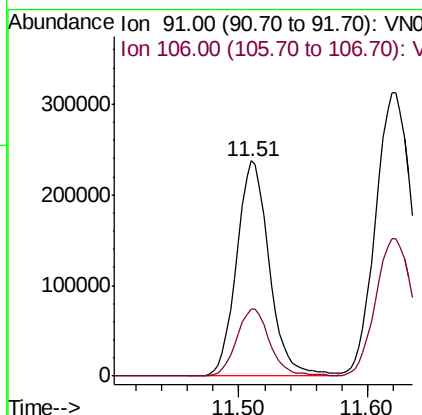
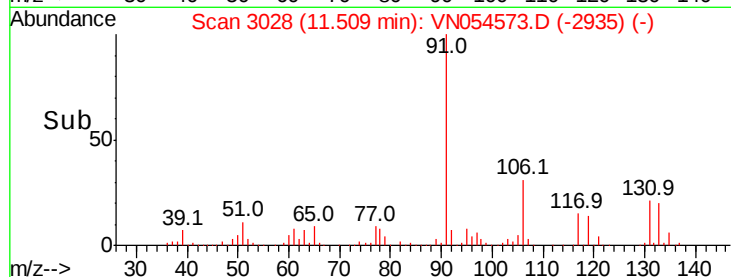
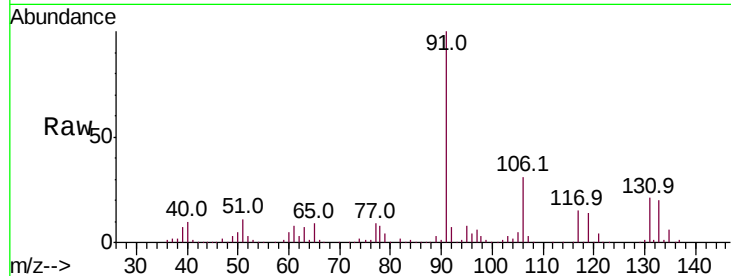
#67
Ethyl Benzene
Concen: 19.725 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion: 91 Resp: 420166
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

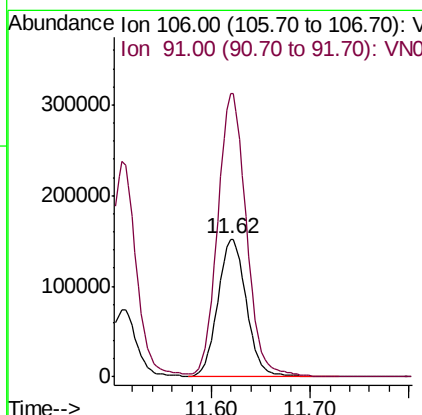
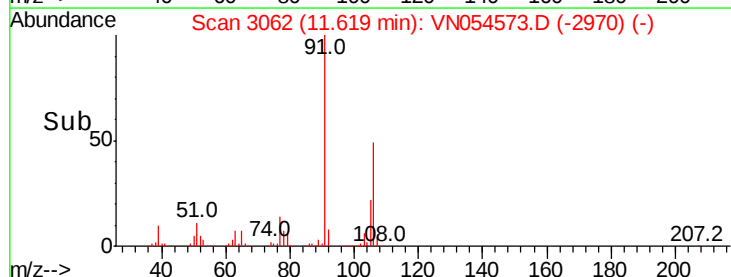
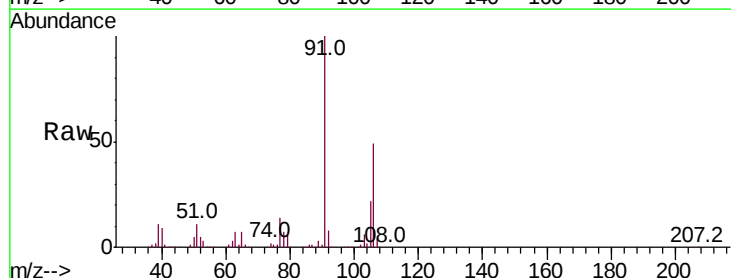
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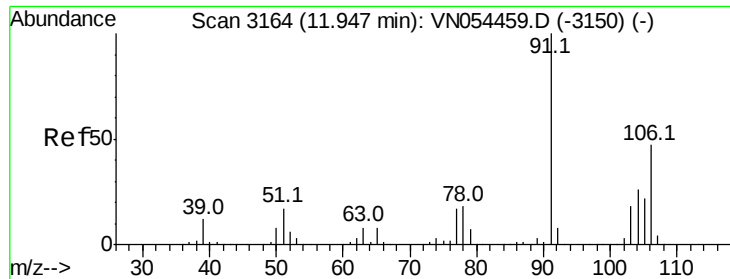
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#68
m/p-Xylenes
Concen: 38.496 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 106 Resp: 310595
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2





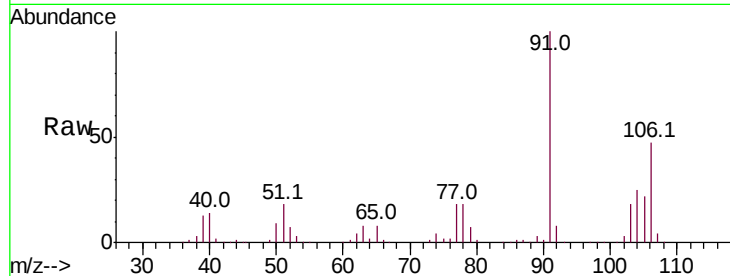
#69
o-Xylene
Concen: 19.425 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

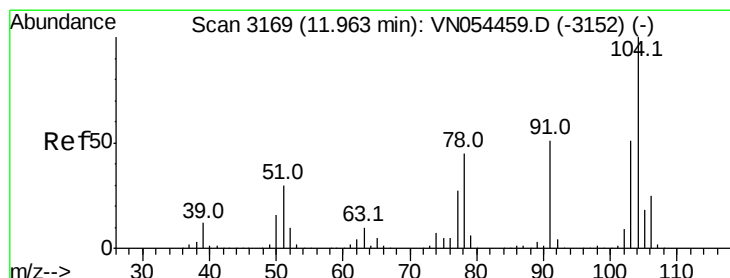
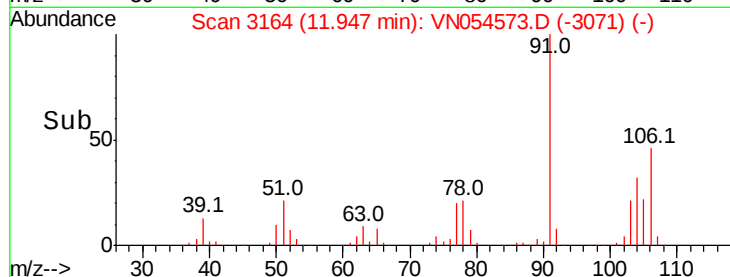
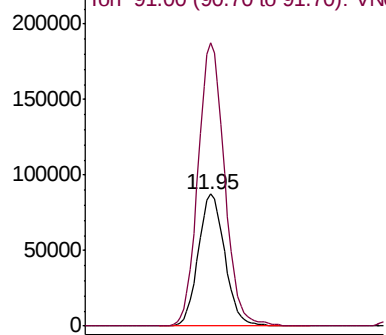
Tot Ion:106 Resp: 153055
Ion Ratio Lower Upper
106 100
91 213.5 105.7 317.1

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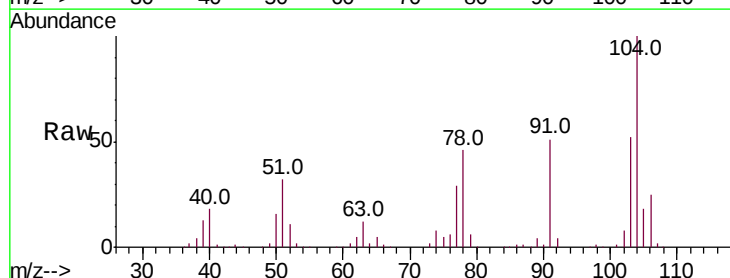


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

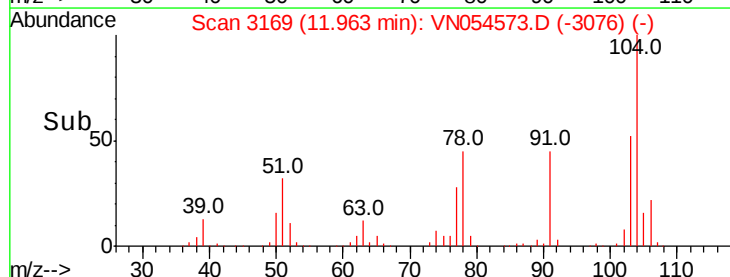
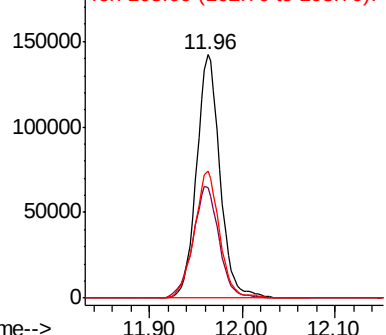


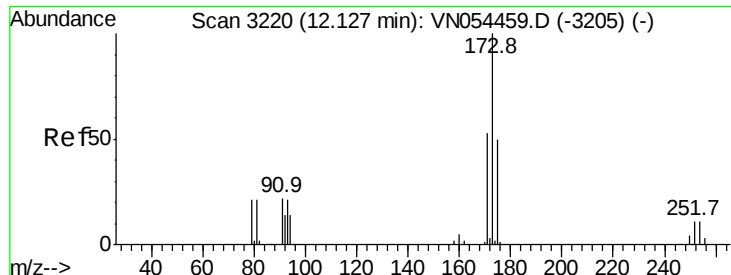
#70
Styrene
Concen: 19.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion:104 Resp: 249396
Ion Ratio Lower Upper
104 100
78 51.2 38.2 57.2
103 55.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





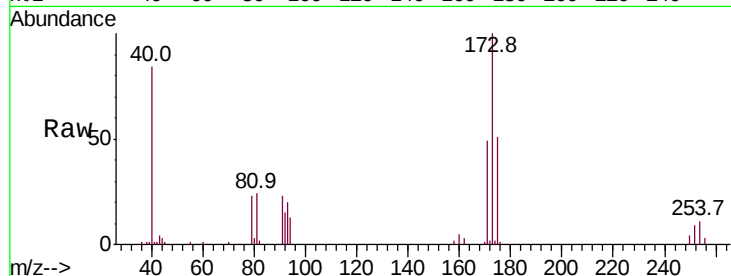
#71
Bromoform
Concen: 18.237 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

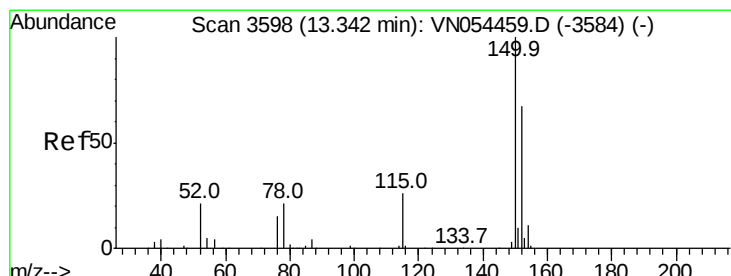
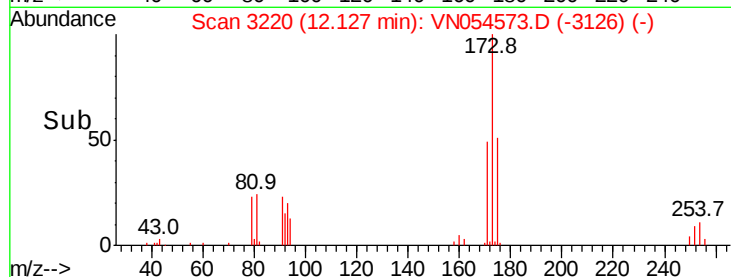
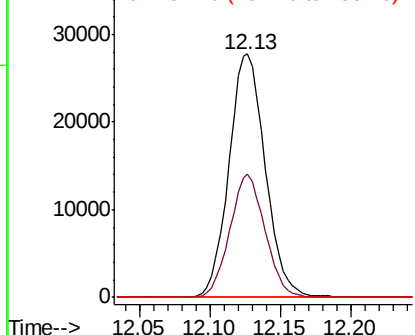
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

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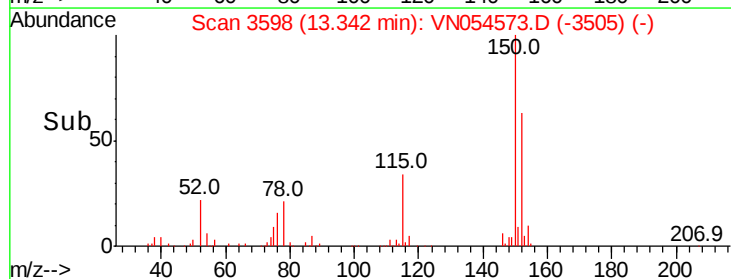
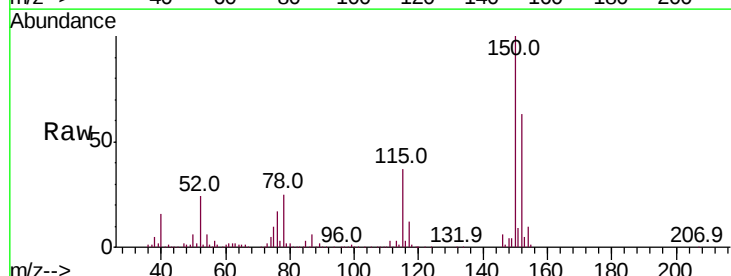
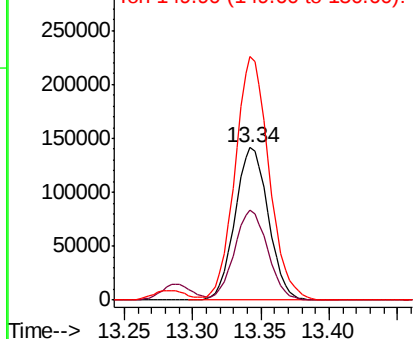
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

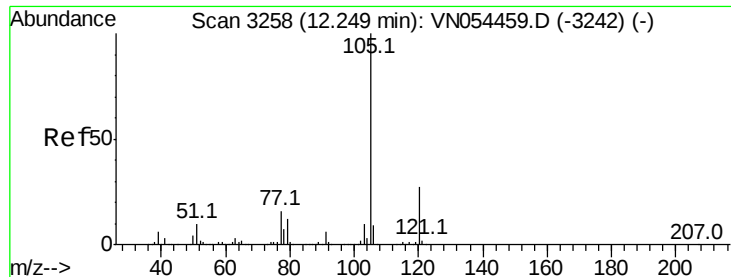


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	27.2	81.6
150	163.1	0.0	349.2

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.704 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 105 Resp: 399596

Ion Ratio Lower Upper

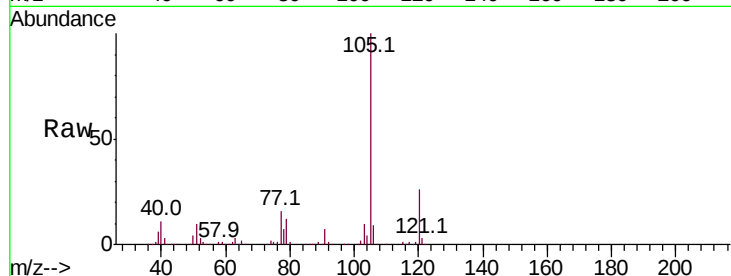
105 100

120 26.3 13.8 41.3

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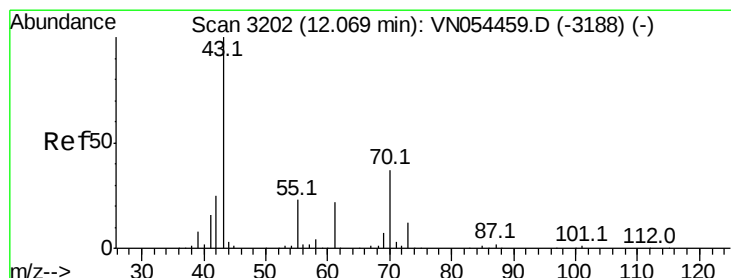
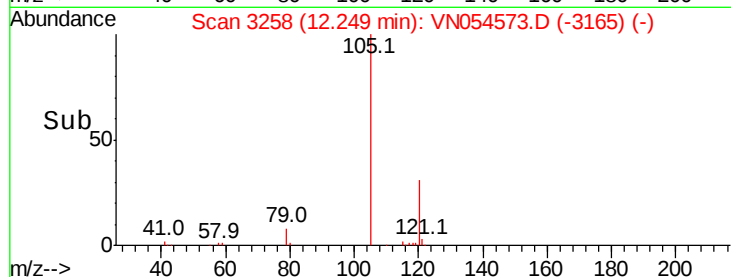
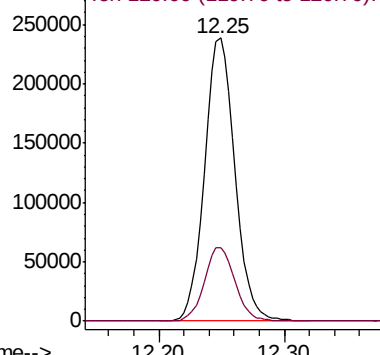
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.499 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion: 43 Resp: 124858

Ion Ratio Lower Upper

43 100

70 37.1 35.4 53.0

55 23.6 19.8 29.6

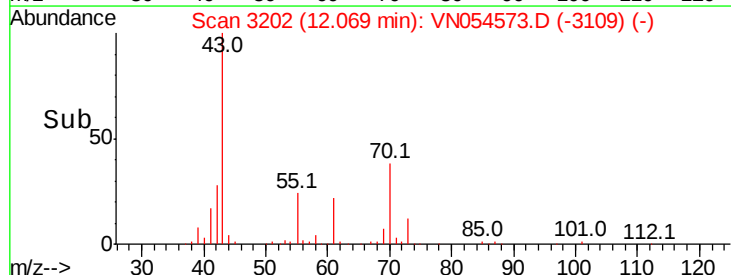
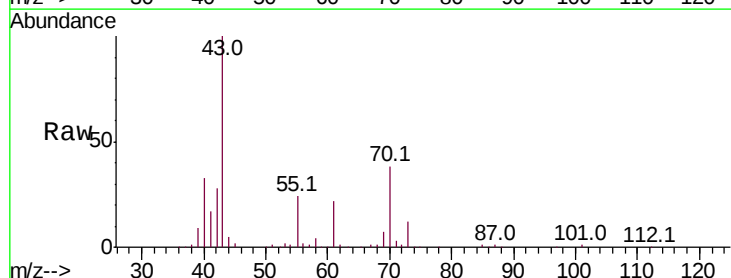
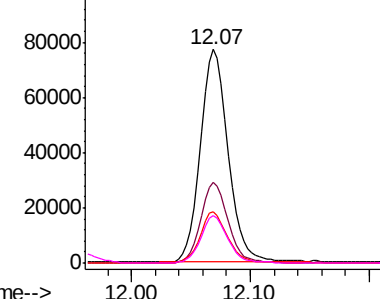
61 21.5 19.8 29.6

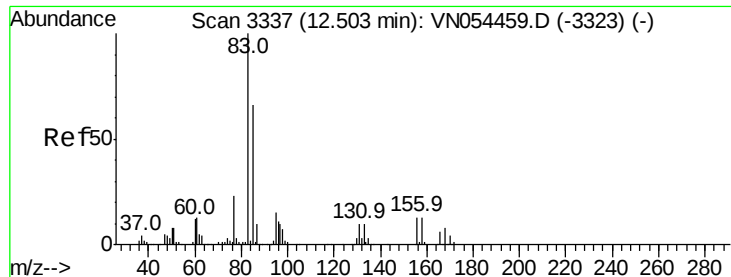
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.362 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

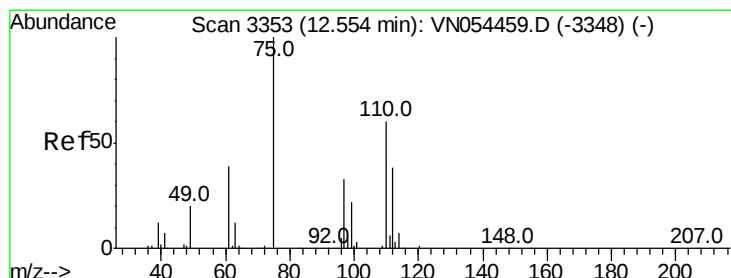
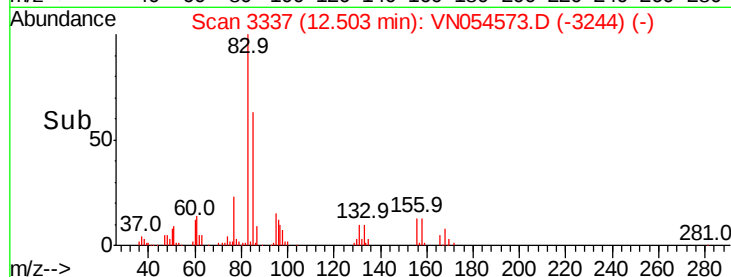
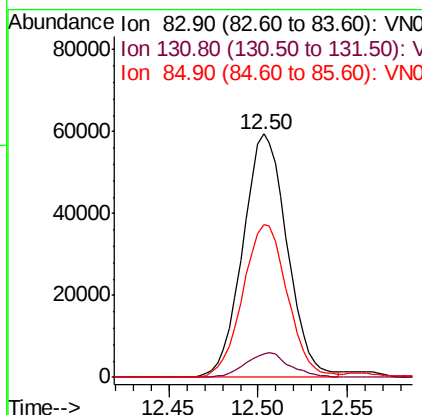
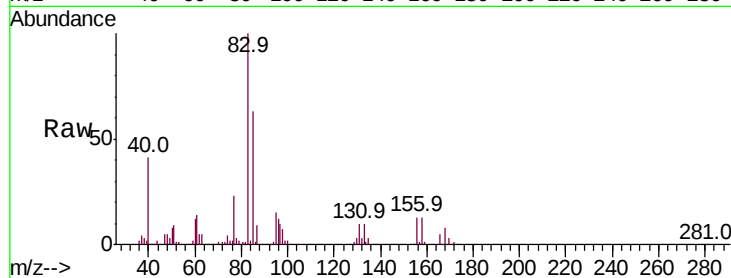
ClientSampleId :

VN0322MBS02

Tot Ion:	83	Resp:	102931
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.8	17.4
85	63.5	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.691 ug/l m

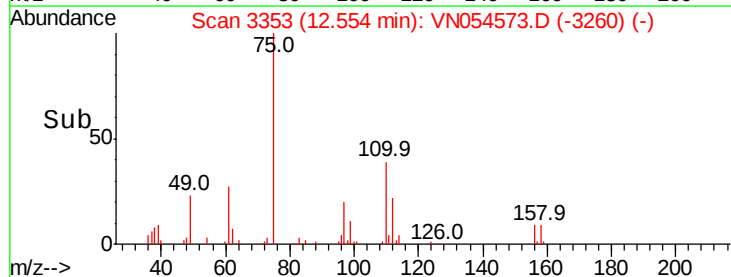
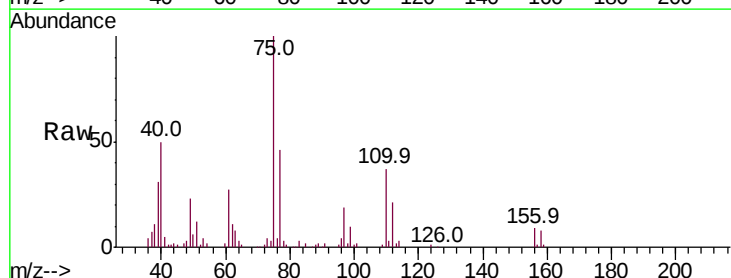
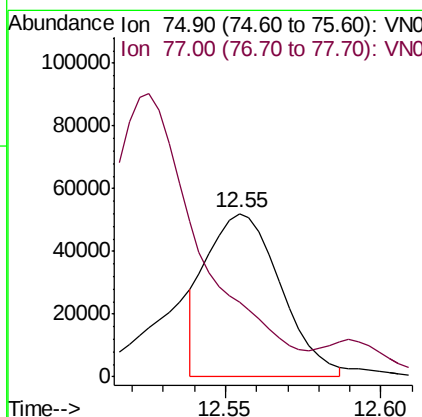
RT: 12.55 min Scan# 3353

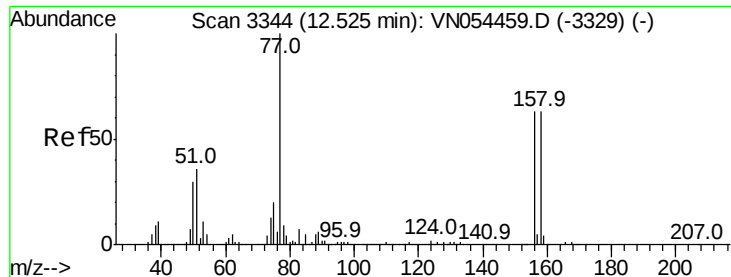
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	75	Resp:	86241
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.486 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:156 Resp: 98061

Ion Ratio Lower Upper

156 100

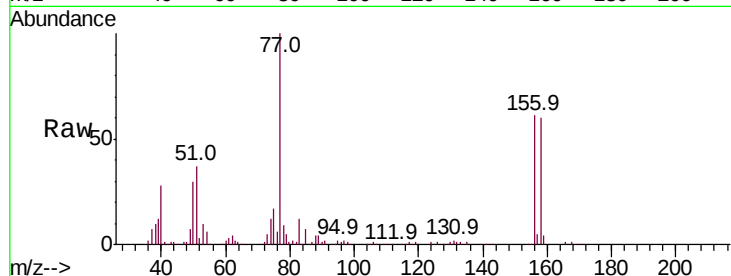
77 194.0 81.5 244.4

158 98.8 49.0 147.2

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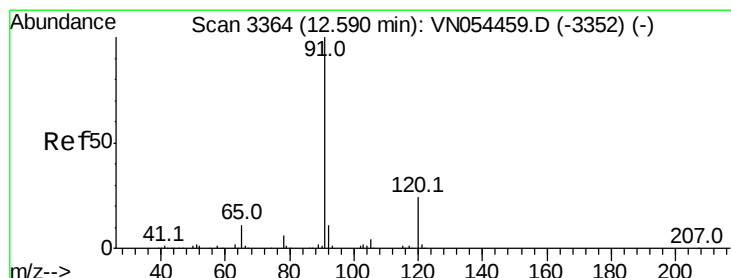
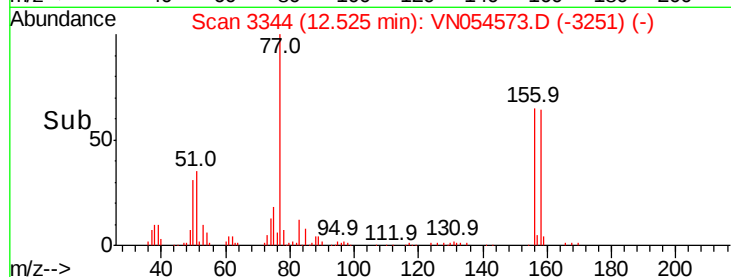
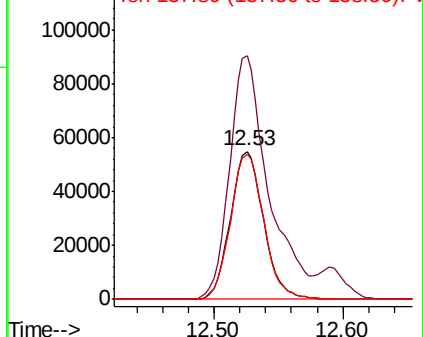
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.717 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054573.D

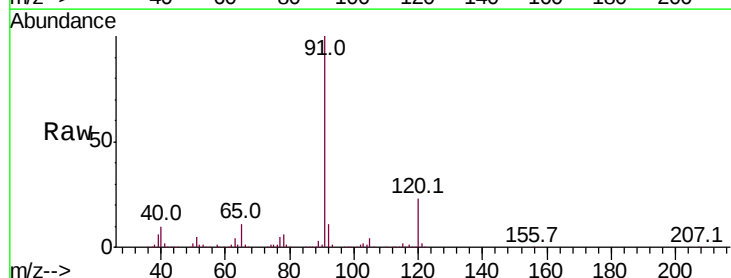
Acq: 22 Mar 2019 23:07

Tgt Ion: 91 Resp: 433573

Ion Ratio Lower Upper

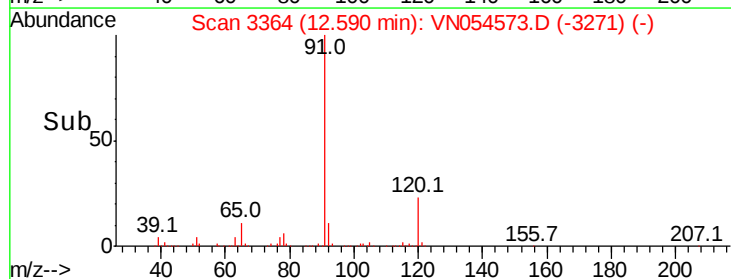
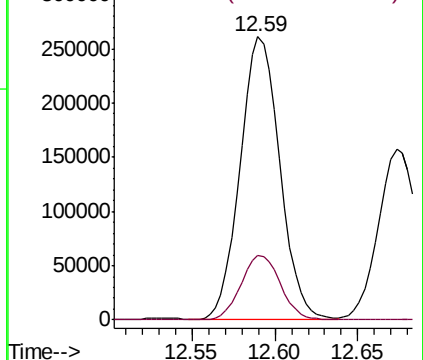
91 100

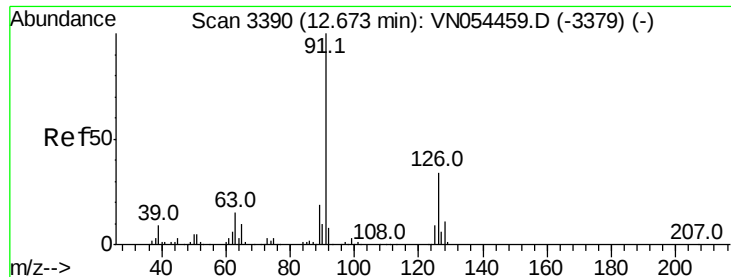
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.409 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 91 Resp: 266354

Ion Ratio Lower Upper

91 100

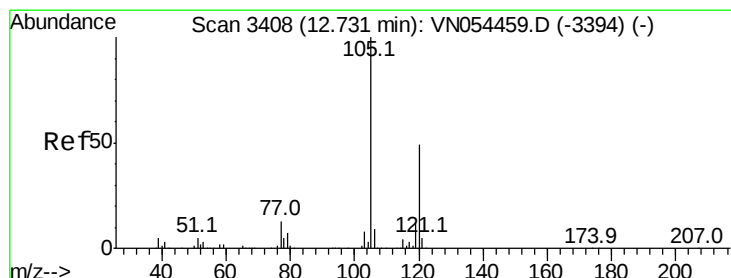
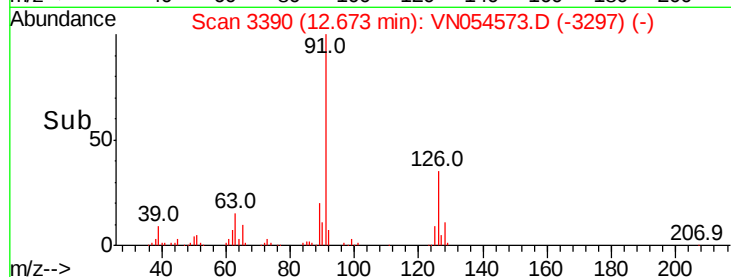
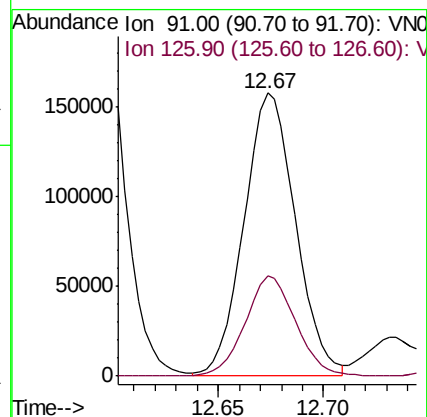
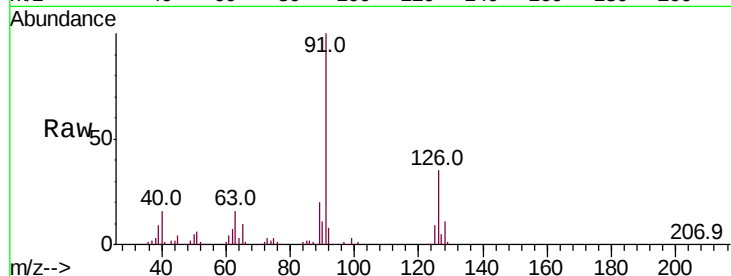
126 35.0 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.825 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054573.D

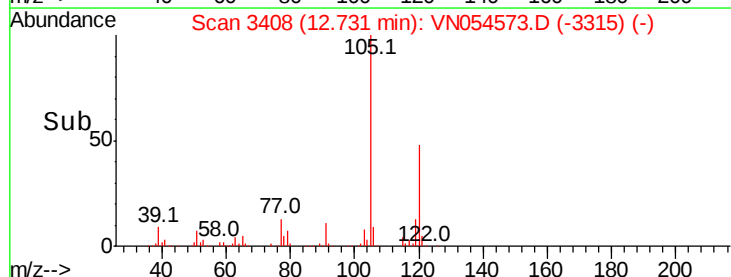
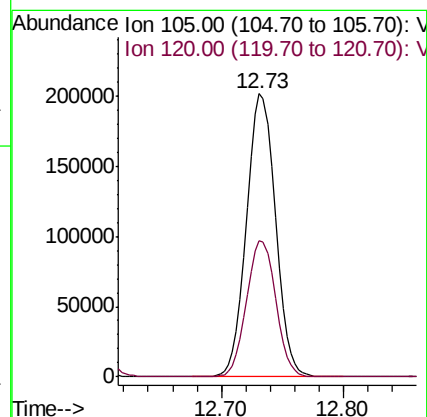
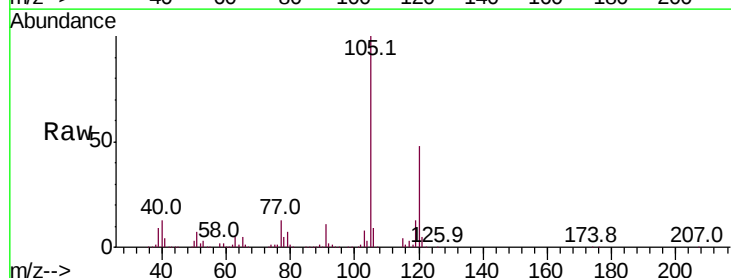
Acq: 22 Mar 2019 23:07

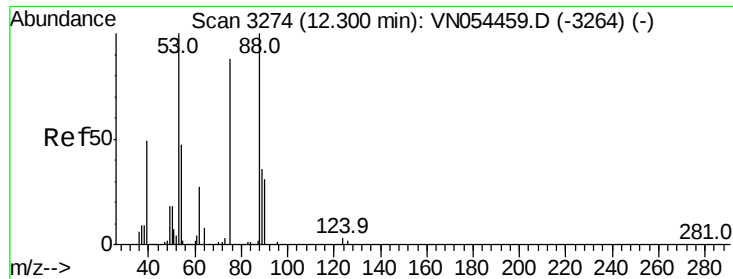
Tgt Ion: 105 Resp: 329424

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.202 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

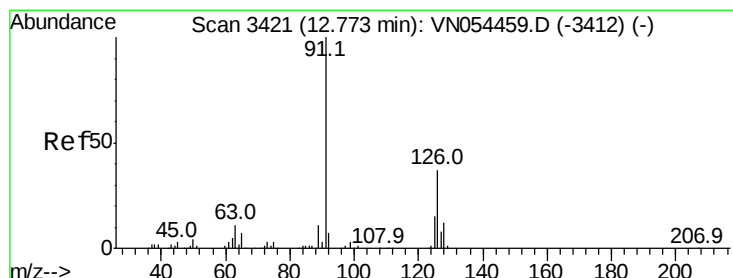
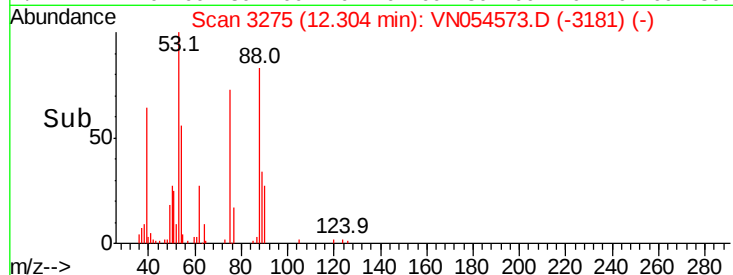
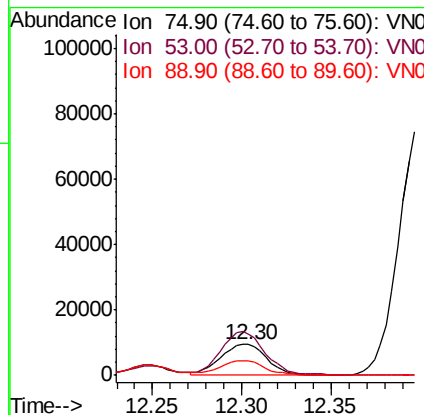
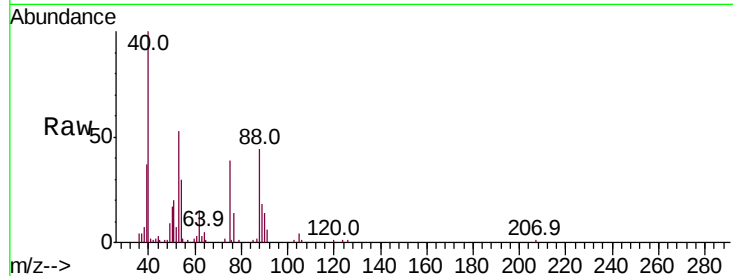
ClientSampleId :

VN0322MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	132.3	76.2	114.2#
89	47.9	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.376 ug/l

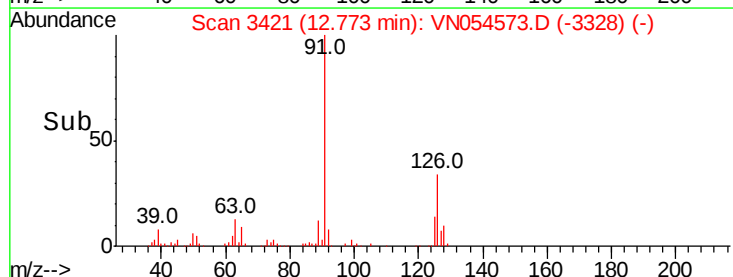
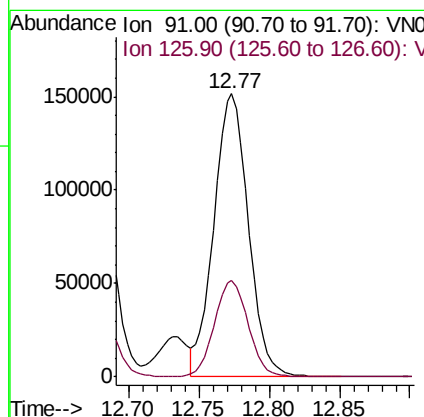
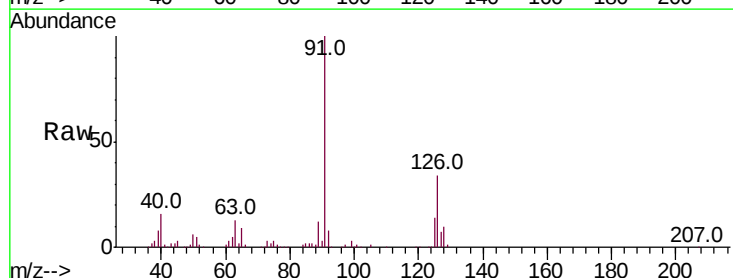
RT: 12.77 min Scan# 3421

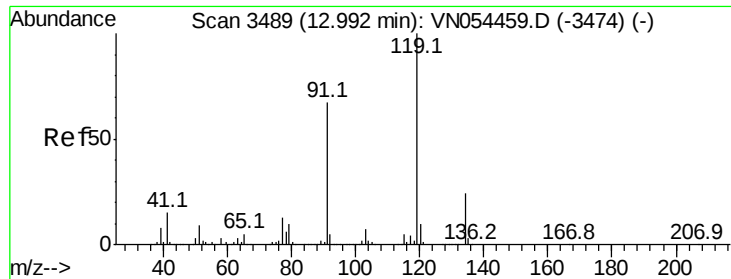
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	18.1	54.1





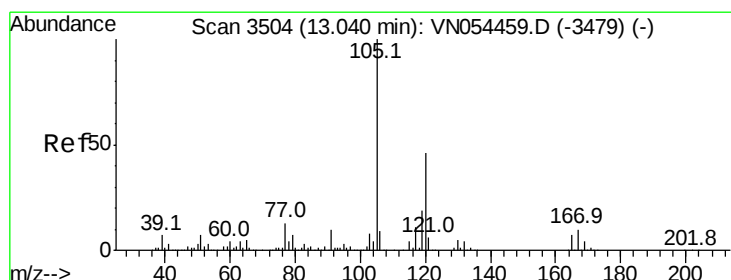
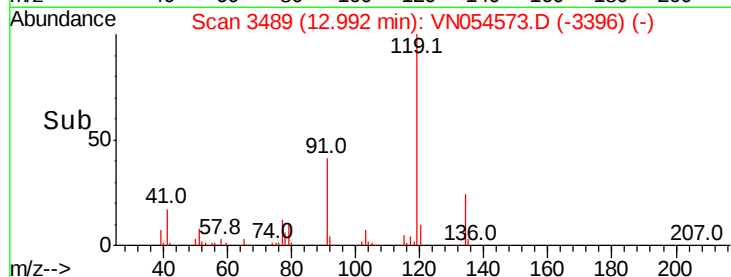
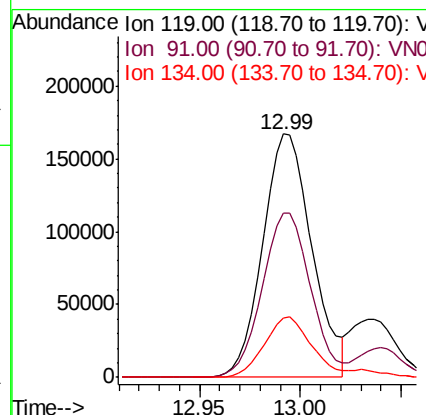
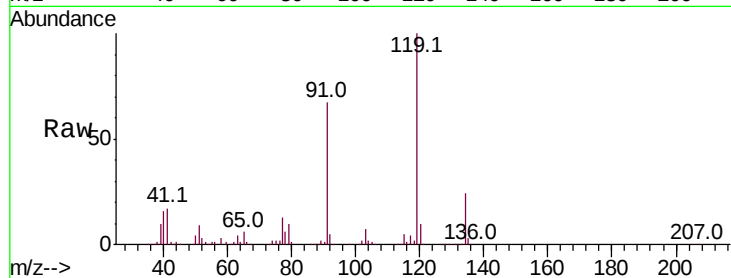
#83
tert-Butylbenzene
Concen: 20.629 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	30.9	92.8
134	24.1	13.2	39.6

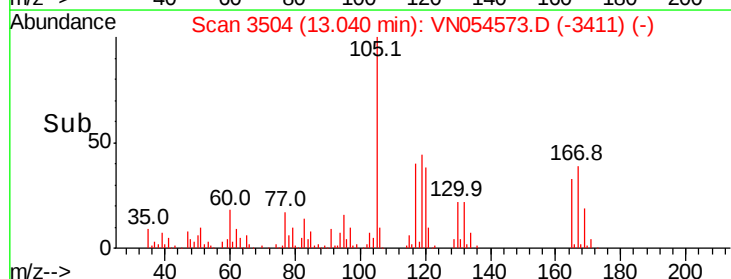
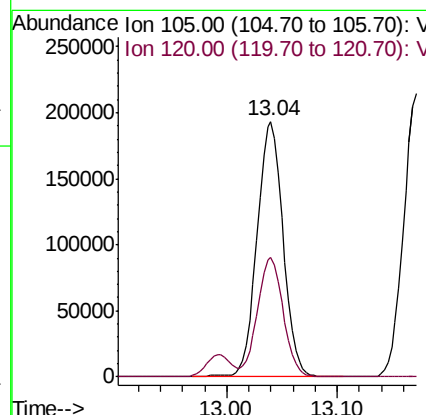
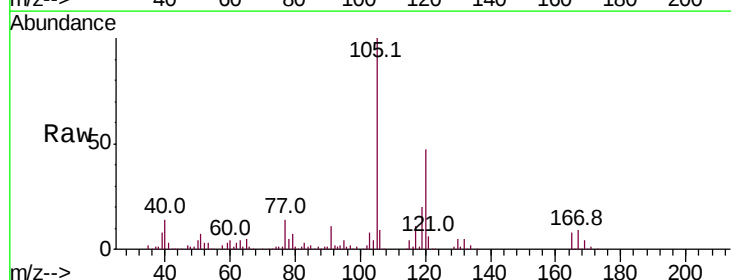
Manual Integrations
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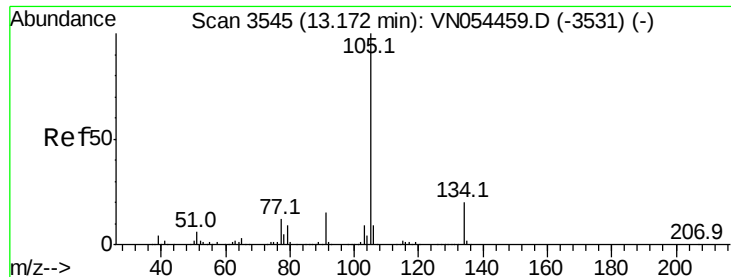
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.416 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:105 Resp: 346254

Ion Ratio Lower Upper

105 100

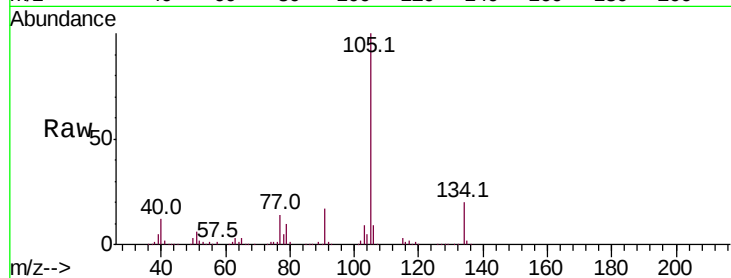
134 19.9 10.7 32.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

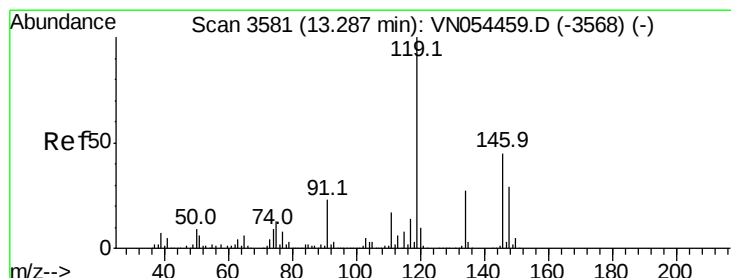
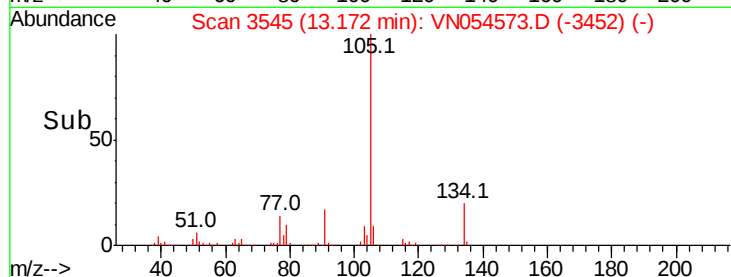
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.812 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

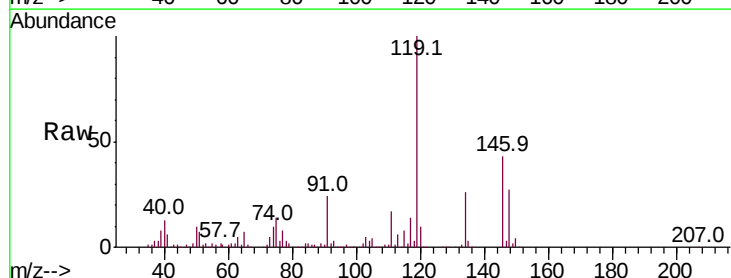
Tgt Ion:119 Resp: 304234

Ion Ratio Lower Upper

119 100

134 25.8 13.6 40.8

91 23.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

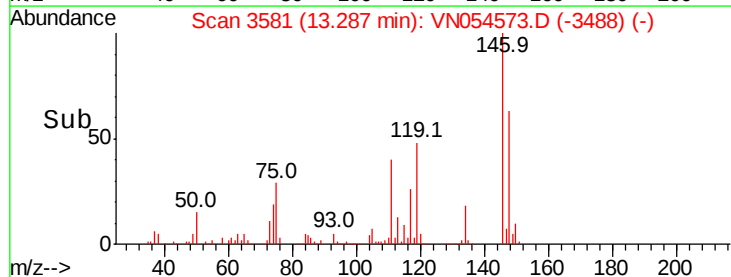
100000

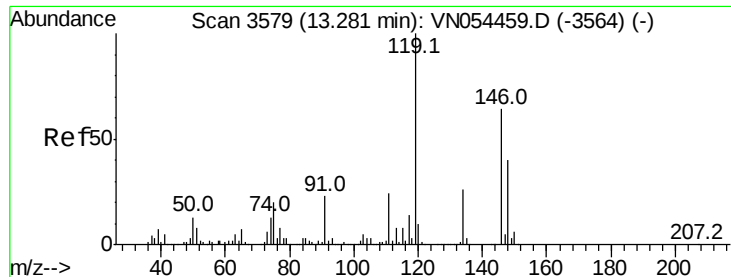
50000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.759 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

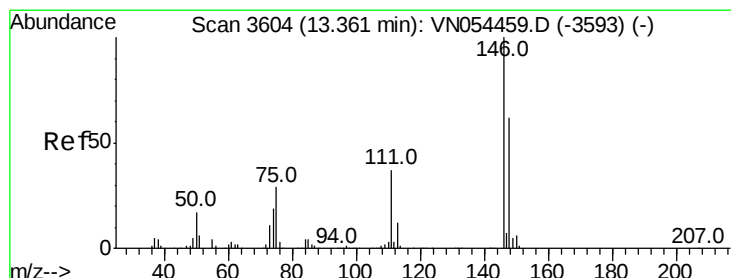
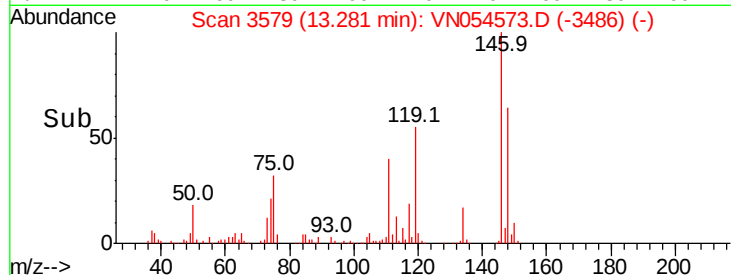
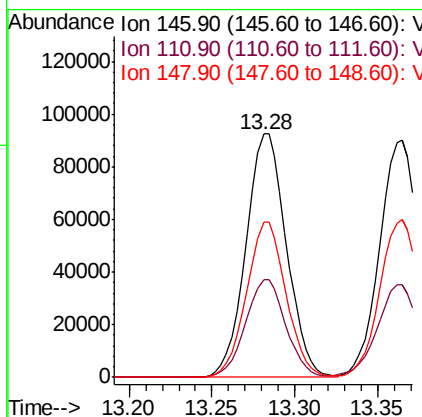
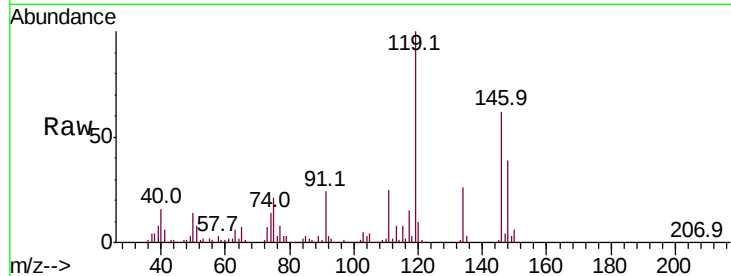
ClientSampleId :

VN0322MBS02

Tot Ion:	146	Resp:	156736
Ion Ratio	Lower	Upper	
146	100		
111	40.1	18.8	56.3
148	62.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.546 ug/l

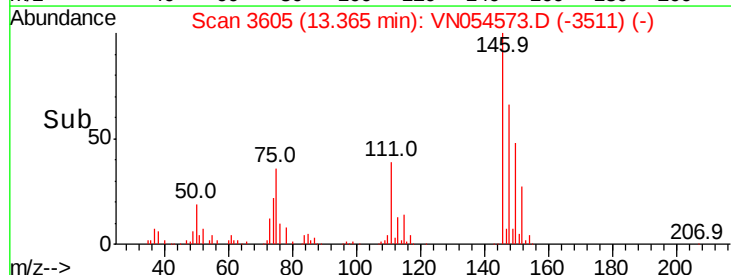
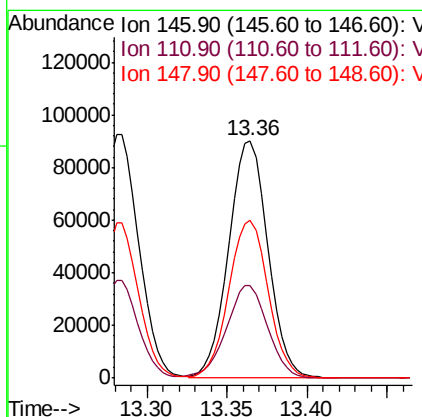
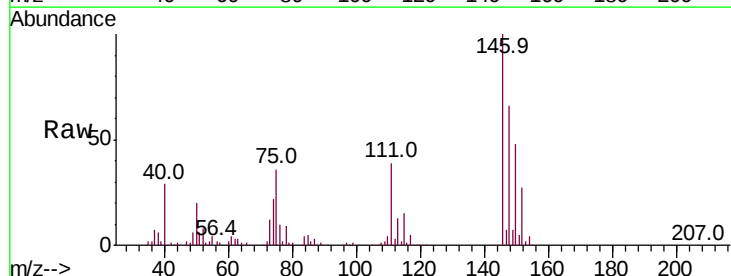
RT: 13.36 min Scan# 3605

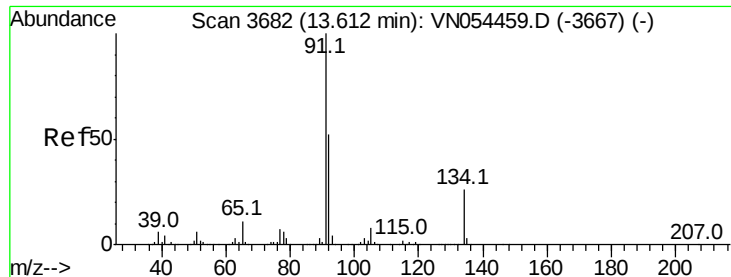
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	146	Resp:	150853
Ion Ratio	Lower	Upper	
146	100		
111	41.1	18.1	54.1
148	66.9	32.0	96.0





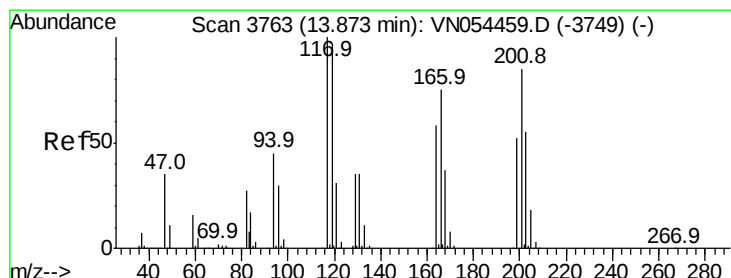
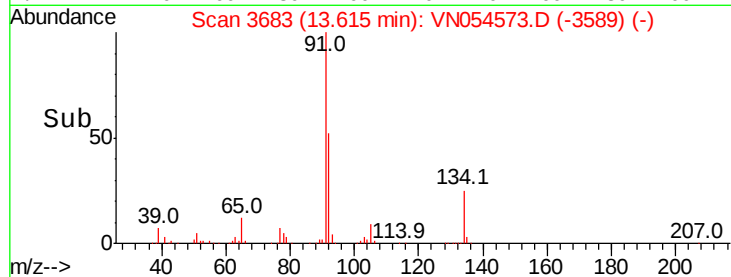
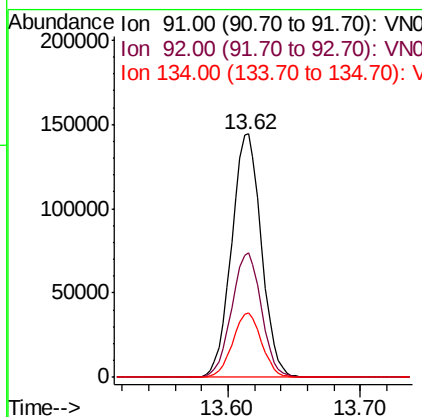
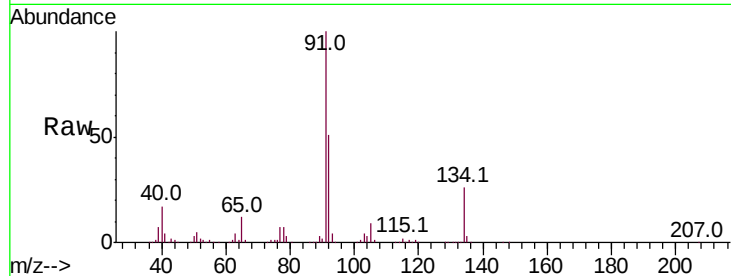
#89
n-Butylbenzene
Concen: 18.729 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.2	78.6
134	25.6	14.3	42.9

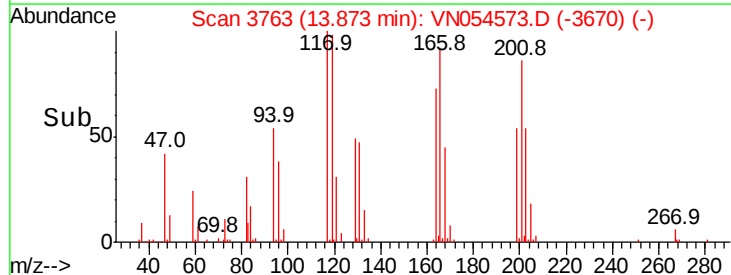
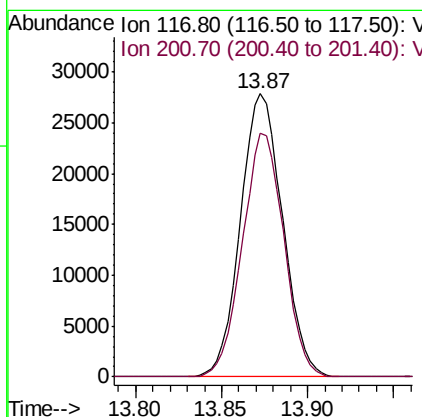
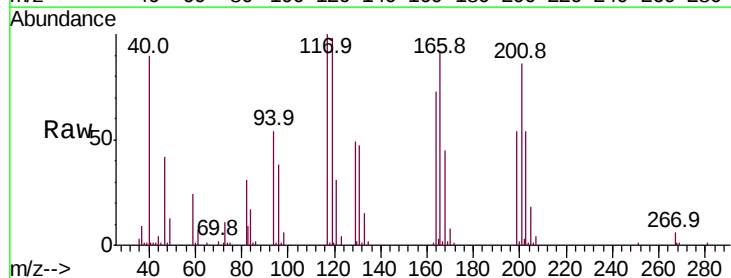
Manual Integrations
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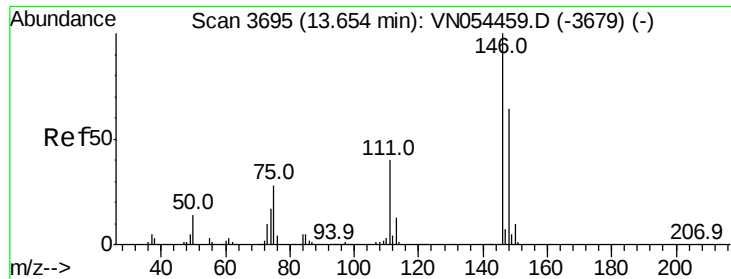
MMDadoda
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#90
Hexachloroethane
Concen: 19.852 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.974 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

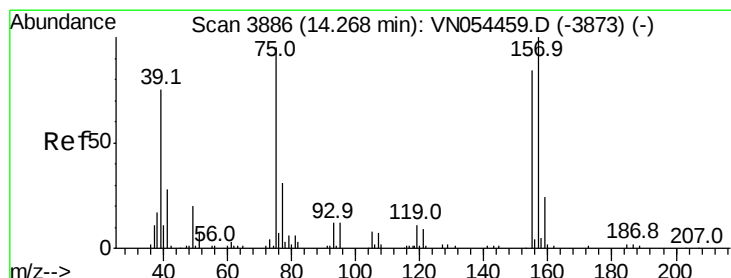
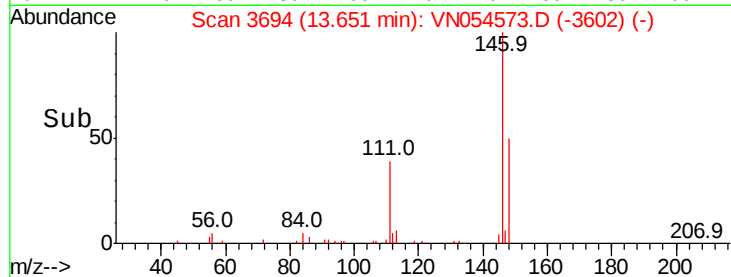
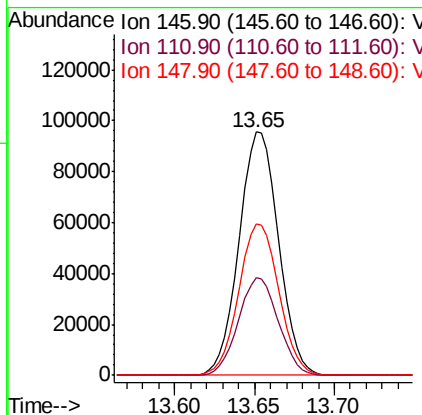
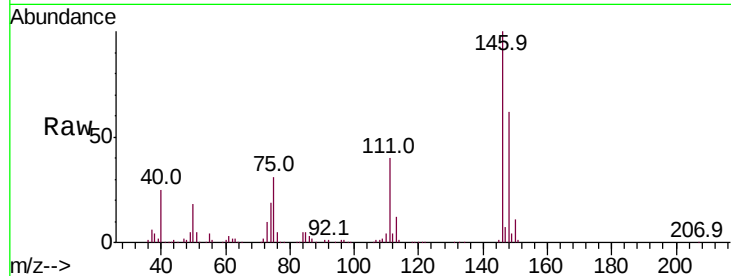
ClientSampleId :

VN0322MBS02

Tot Ion:	146	Resp:	161150
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.1	57.3
148	63.4	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.483 ug/l

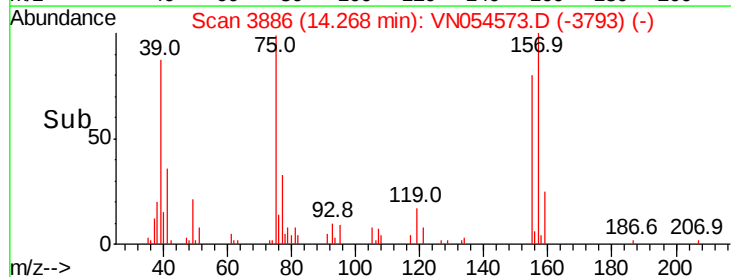
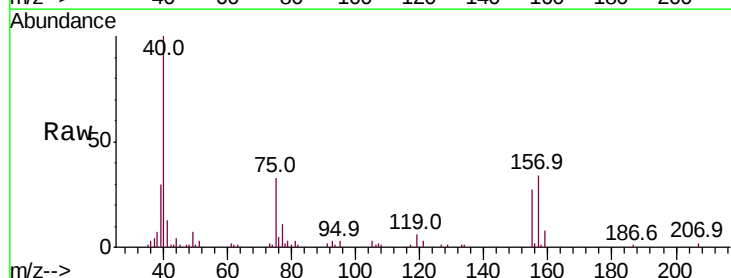
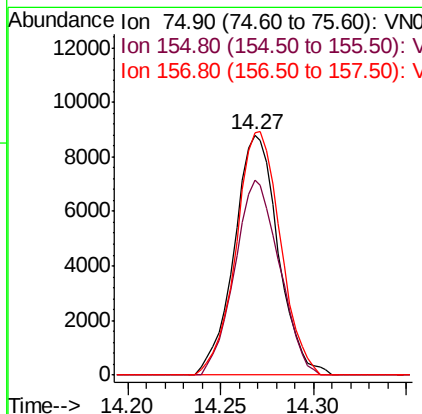
RT: 14.27 min Scan# 3886

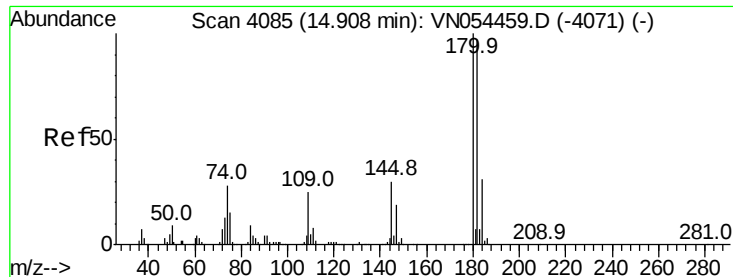
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	75	Resp:	14529
Ion Ratio	Lower	Upper	
75	100		
155	82.6	50.1	150.3
157	102.2	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 18.030 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

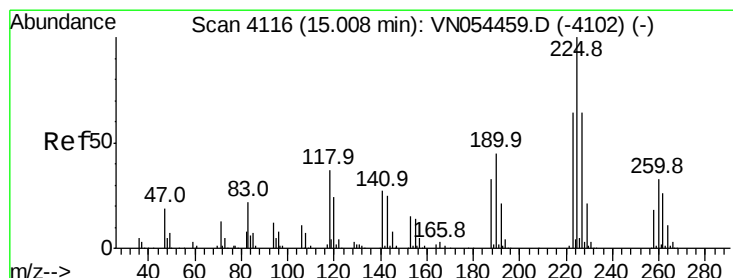
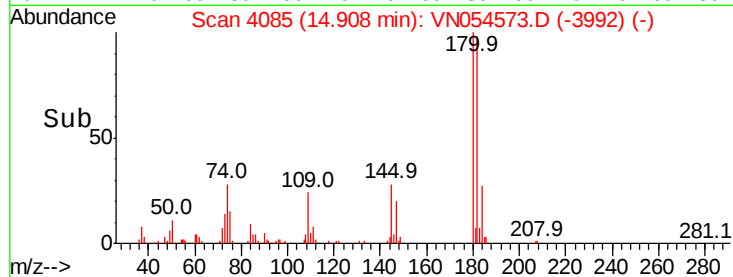
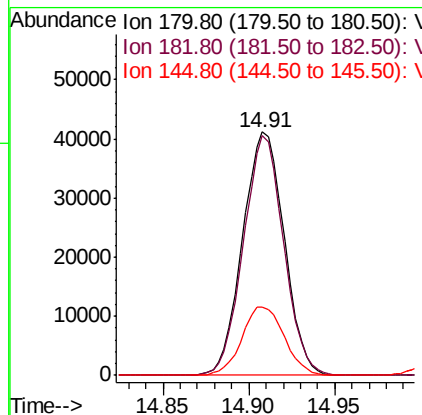
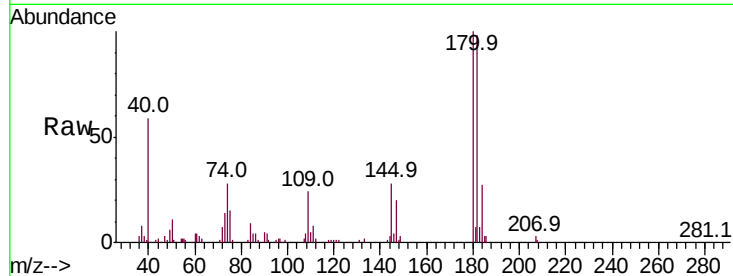
ClientSampleId :

VN0322MBS02

Tot Ion:	180	Resp:	69057
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.2
145	28.7	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 19.166 ug/l

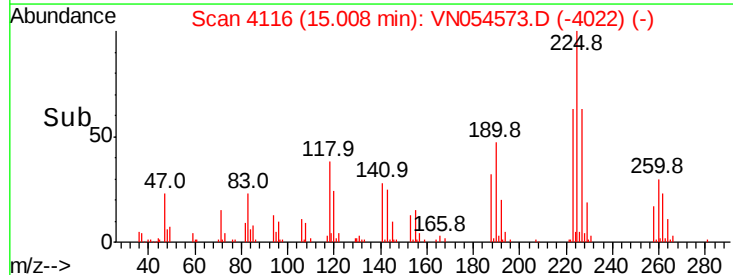
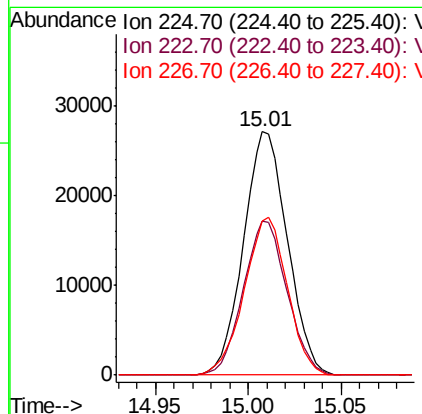
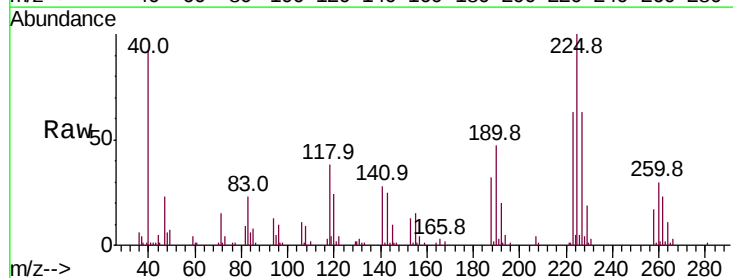
RT: 15.01 min Scan# 4116

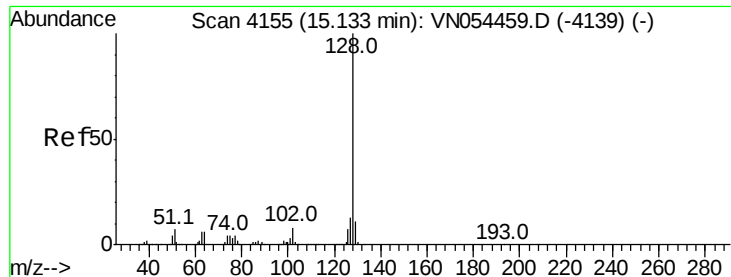
Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	225	Resp:	44535
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.1	93.5
227	63.5	31.9	95.9





#95

Naphthalene

Concen: 19.154 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

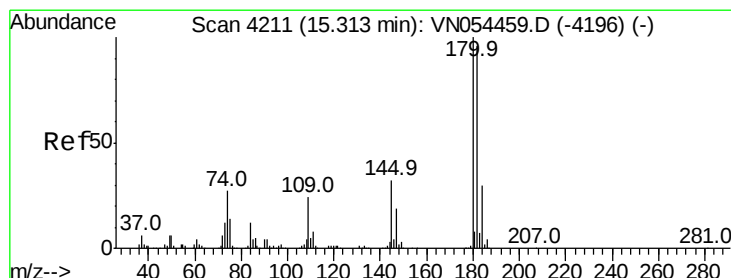
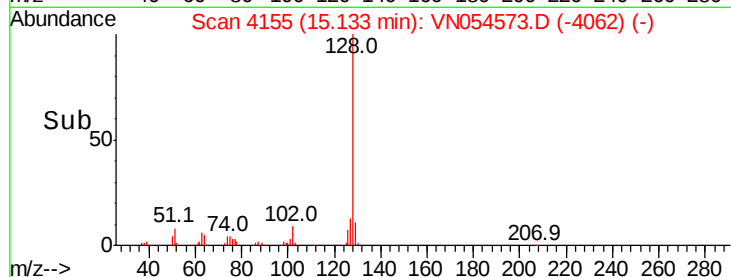
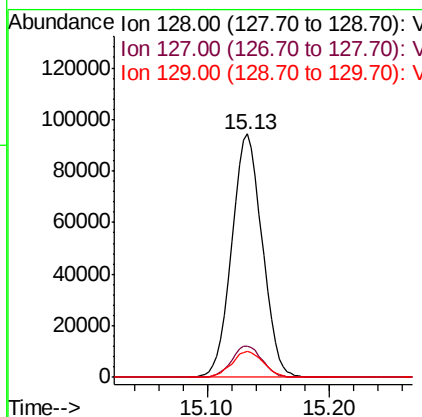
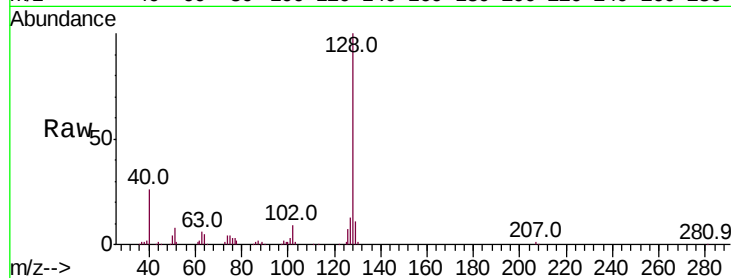
ClientSampleId :

VN0322MBS02

Tot Ion:	128	Resp:	163638
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.769 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion:	180	Resp:	71548
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.5	142.6
145	32.3	14.8	44.3

