

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054574.D
 Acq On : 22 Mar 2019 23:35
 Operator : JC/SP
 Sample : VN0322MBSD02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 4:41:31 PM

Quant Time: Mar 23 04:38:03 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	415121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	699541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	297080	57.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.08%	
35) Dibromofluoromethane	7.59	113	233818	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.09	98	845178	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	276282	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	87832	22.133	ug/l	97
3) Chloromethane	2.06	50	120323	22.284	ug/l	100
4) Vinyl Chloride	2.19	62	112840	20.815	ug/l	100
5) Bromomethane	2.57	94	65976	18.822	ug/l	95
6) Chloroethane	2.71	64	63147	19.421	ug/l	100
7) Trichlorofluoromethane	3.02	101	138591	21.052	ug/l	98
8) Diethyl Ether	3.41	74	49035	19.367	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74199	19.177	ug/l	93
10) Methyl Iodide	3.94	142	104018	18.276	ug/l #	88
11) Tert butyl alcohol	4.82	59	37593	120.257	ug/l	100
12) 1,1-Dichloroethene	3.73	96	71592	17.880	ug/l #	72
13) Acrolein	3.61	56	43323	100.424	ug/l	96
14) Allyl chloride	4.31	41	167192	22.175	ug/l #	92
15) Acrylonitrile	5.00	53	191447	122.979	ug/l	99
16) Acetone	3.82	43	139300	89.732	ug/l #	84
17) Carbon Disulfide	4.04	76	199483	18.594	ug/l	98
18) Methyl Acetate	4.33	43	85589	24.736	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	265773	22.744	ug/l	92
20) Methylene Chloride	4.54	84	99875	21.825	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	90268	22.078	ug/l #	81
22) Diisopropyl ether	5.96	45	354073	23.808	ug/l #	94
23) Vinyl Acetate	5.90	43	1248374	118.851	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	185884	23.213	ug/l	99
25) 2-Butanone	6.85	43	239499	120.435	ug/l	90
26) 2,2-Dichloropropane	6.82	77	101622	17.803	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	105847	21.705	ug/l	87
28) Bromochloromethane	7.20	49	87147	22.110	ug/l #	72
29) Tetrahydrofuran	7.22	42	167554	129.839	ug/l #	84
30) Chloroform	7.37	83	178448	22.835	ug/l	100
31) Cyclohexane	7.65	56	173691	21.581	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148085	22.969	ug/l	95
36) 1,1-Dichloropropene	7.79	75	132074	20.192	ug/l	96
37) Ethyl Acetate	6.94	43	107318	23.069	ug/l #	93
38) Carbon Tetrachloride	7.77	117	126908	19.966	ug/l	97

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 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)
39) Methylcyclohexane	9.08	83	139853	18.692	ug/l	89
40) Benzene	8.04	78	397772	21.267	ug/l	98
41) Methacrylonitrile	7.18	41	62952	22.189	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	146082	21.447	ug/l	98
43) Isopropyl Acetate	8.17	43	179495	22.846	ug/l #	94
44) Trichloroethene	8.83	130	105503	20.289	ug/l	100
45) 1,2-Dichloropropane	9.12	63	114266	22.752	ug/l	97
46) Dibromomethane	9.21	93	64564	21.549	ug/l	89
47) Bromodichloromethane	9.40	83	133583	21.483	ug/l	95
48) Methyl methacrylate	9.20	41	89168	20.911	ug/l	90
49) 1,4-Dioxane	9.20	88	20291	425.637	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	515546	118.403	ug/l	93
52) Toluene	10.16	92	237381	20.635	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	114688	18.936	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145150	20.358	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	89254	21.584	ug/l	96
56) Ethyl methacrylate	10.43	69	115358	20.785	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	156567	21.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	218252	95.497	ug/l #	89
59) 2-Hexanone	10.75	43	315930	111.083	ug/l	91
60) Dibromochloromethane	10.90	129	90492	20.566	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86380	21.130	ug/l	99
64) Tetrachloroethene	10.63	164	100363	20.328	ug/l	96
65) Chlorobenzene	11.43	112	251657	20.788	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	95431	21.962	ug/l	98
67) Ethyl Benzene	11.51	91	434675	20.327	ug/l	100
68) m/p-Xylenes	11.62	106	325618	40.200	ug/l	96
69) o-Xylene	11.95	106	161927	20.470	ug/l	98
70) Styrene	11.96	104	261029	20.320	ug/l	96
71) Bromoform	12.13	173	53945	19.428	ug/l #	100
73) Isopropylbenzene	12.25	105	419267	21.322	ug/l	98
74) N-amyl acetate	12.07	43	134012	23.702	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	109572	24.410	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	95983m	24.787	ug/l	
77) Bromobenzene	12.53	156	103388	21.199	ug/l	86
78) n-propylbenzene	12.59	91	458263	21.492	ug/l	96
79) 2-Chlorotoluene	12.67	91	283806	21.344	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	343868	21.337	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19484	19.417	ug/l #	75
82) 4-Chlorotoluene	12.77	91	272616	21.151	ug/l	96
83) tert-Butylbenzene	12.99	119	299650	21.360	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	332115	21.002	ug/l	99
85) sec-Butylbenzene	13.17	105	369908	21.153	ug/l	97
86) p-Isopropyltoluene	13.29	119	323684	20.689	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	171099	21.171	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	161631	20.555	ug/l	98
89) n-Butylbenzene	13.61	91	240300	19.643	ug/l	98
90) Hexachloroethane	13.87	117	52298	21.535	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	170744	21.812	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15557	23.628	ug/l	80

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VN0322MBSD02

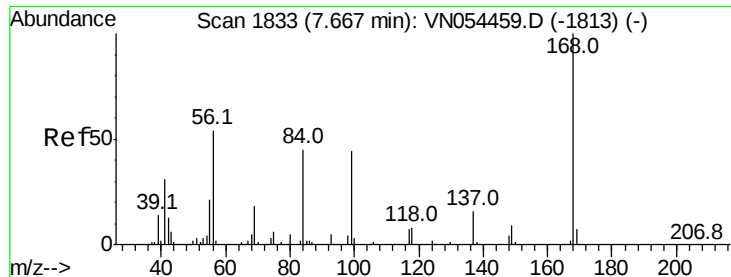
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76060	19.491	ug/l	99
94) Hexachlorobutadiene	15.01	225	48220	20.532	ug/l	99
95) Naphthalene	15.13	128	185381	21.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	80484	20.723	ug/l	99

(#) = 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: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBSD02

Tot Ion:168 Resp: 415121

Ion Ratio Lower Upper

168 100

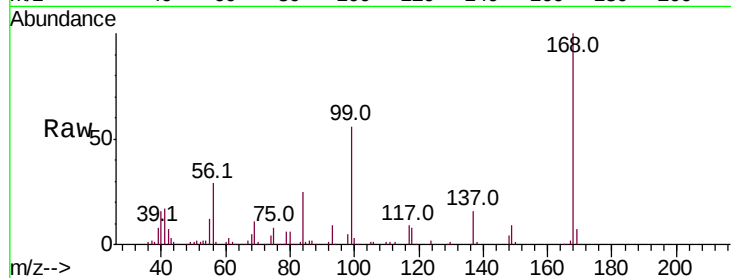
99 55.0 37.1 55.7

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

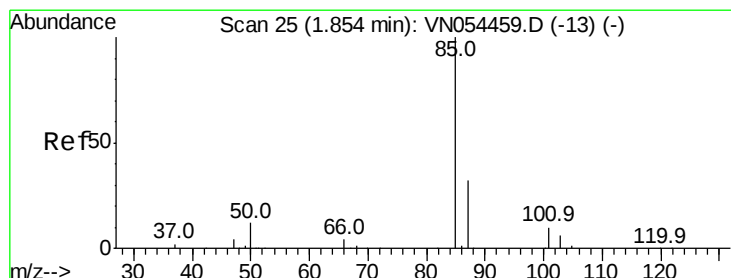
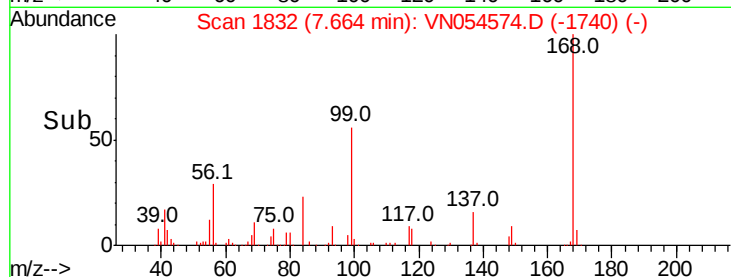
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.133 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054574.D

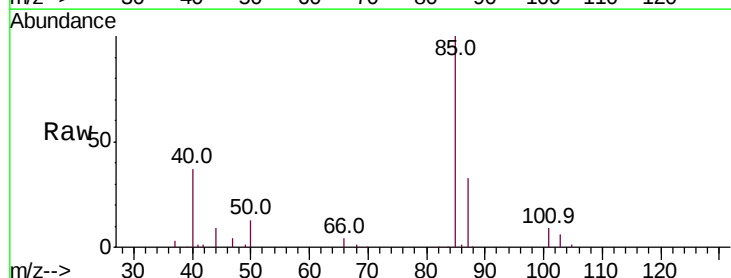
Acq: 22 Mar 2019 23:35

Tgt Ion: 85 Resp: 87832

Ion Ratio Lower Upper

85 100

87 33.3 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

60000

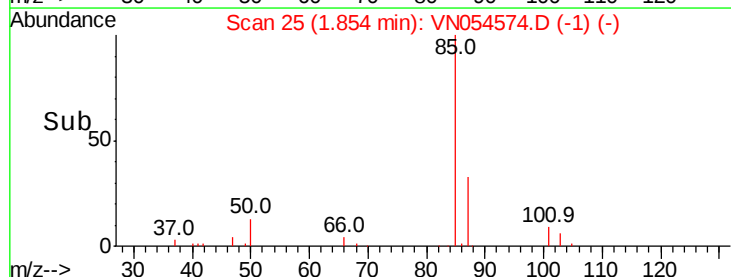
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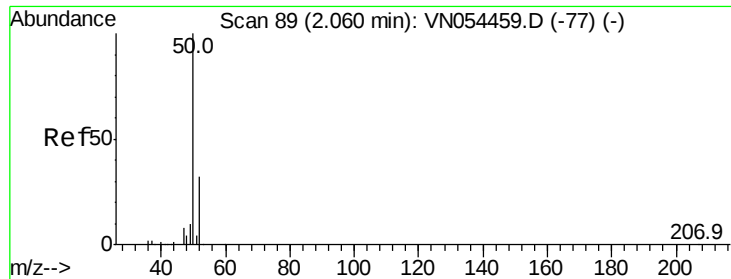
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.284 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 50 Resp: 120323

Ion Ratio Lower Upper

50 100

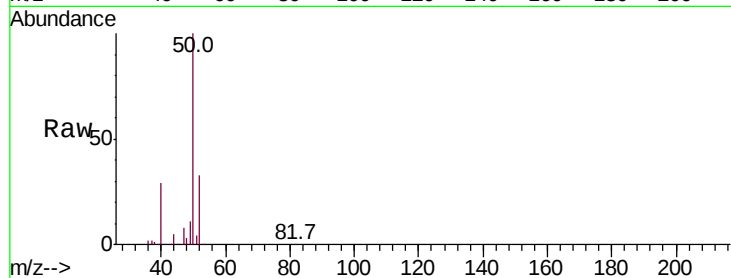
52 33.2 26.4 39.6

Manual Integrations

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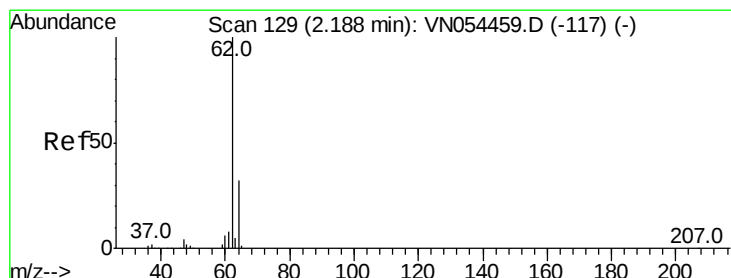
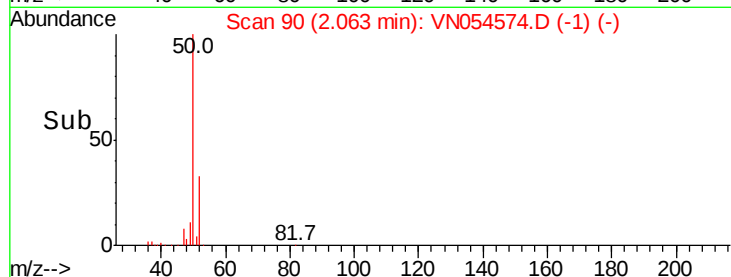
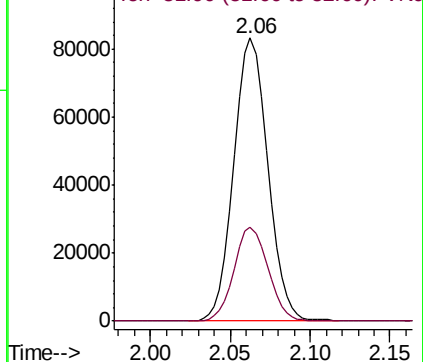
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.815 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054574.D

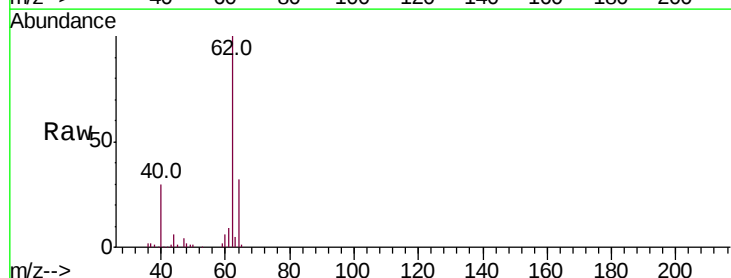
Acq: 22 Mar 2019 23:35

Tgt Ion: 62 Resp: 112840

Ion Ratio Lower Upper

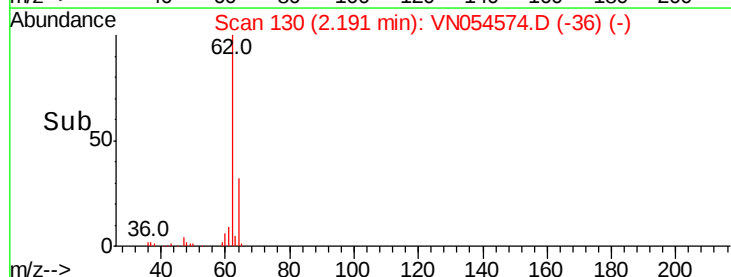
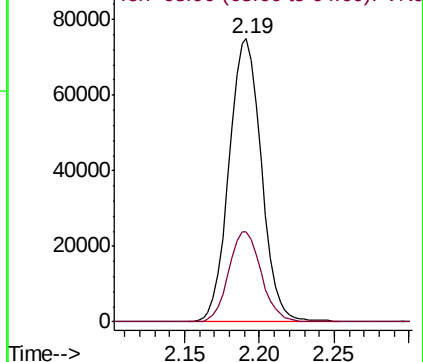
62 100

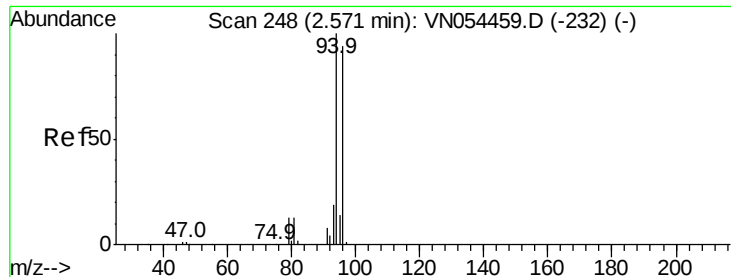
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.822 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBSD02

Tot Ion: 94 Resp: 65976

Ion Ratio Lower Upper

94 100

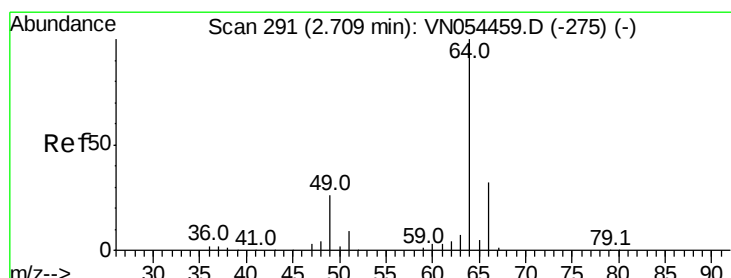
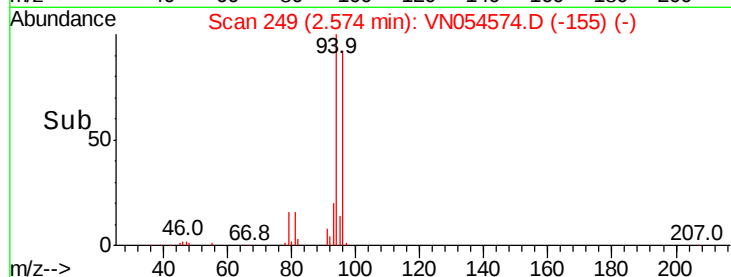
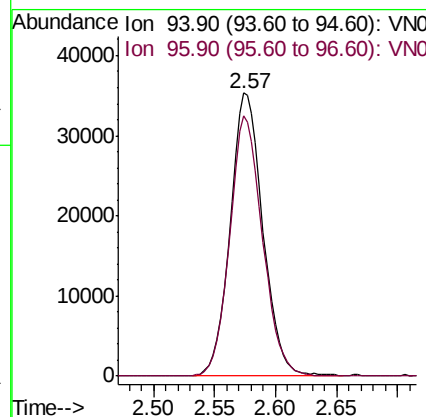
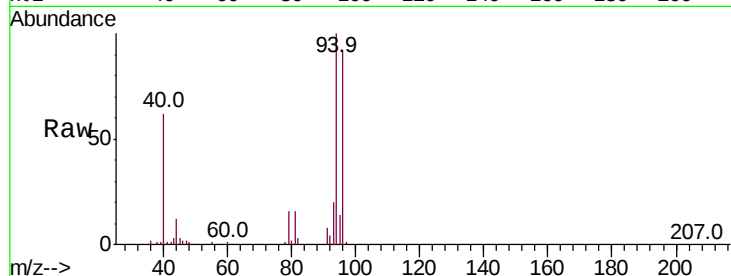
96 91.8 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 19.421 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054574.D

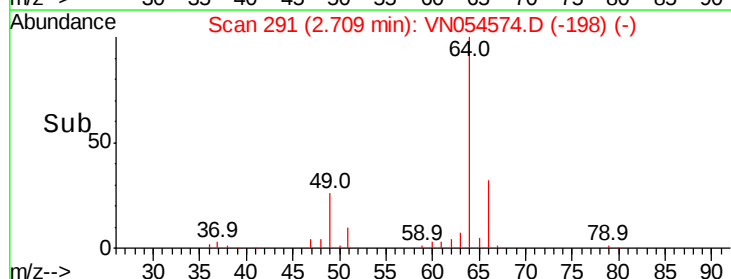
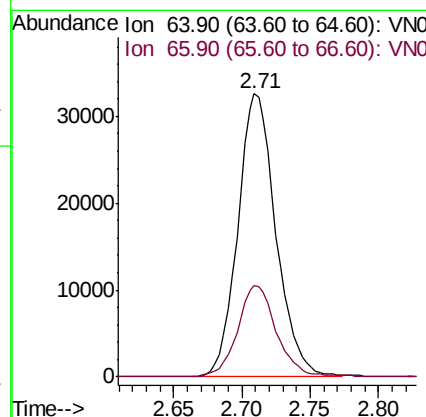
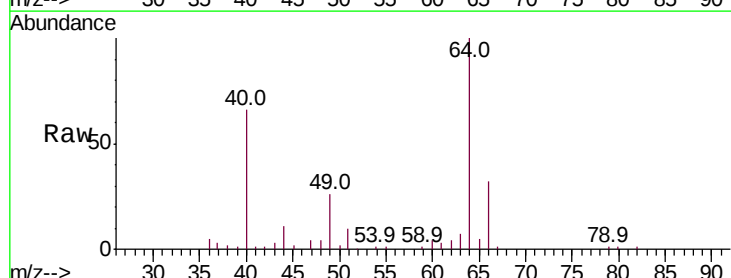
Acq: 22 Mar 2019 23:35

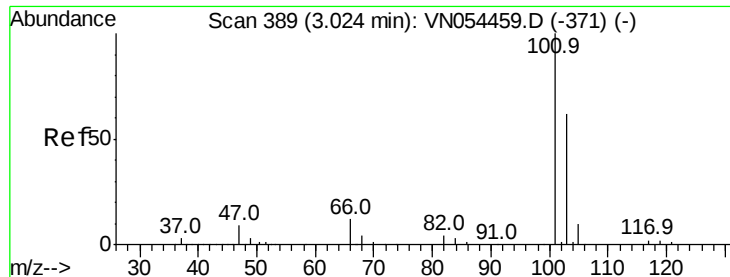
Tgt Ion: 64 Resp: 63147

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5





#7

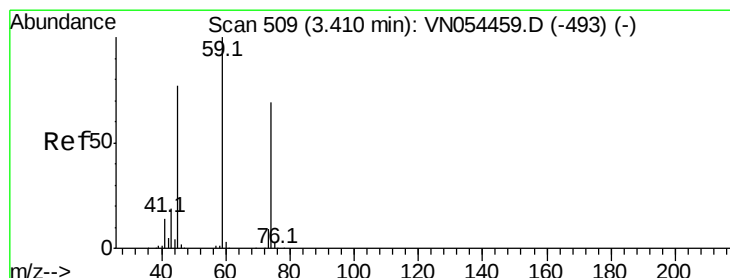
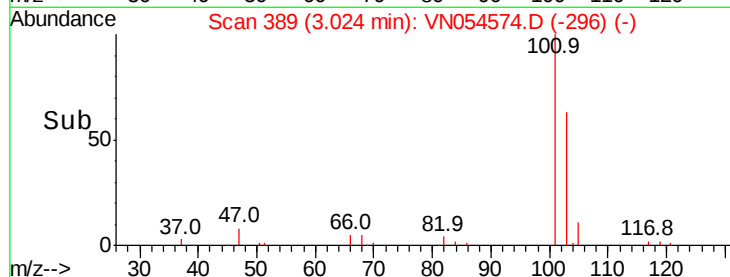
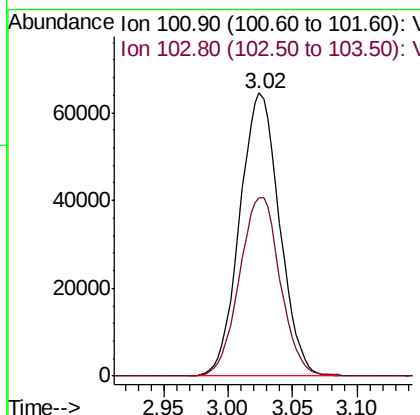
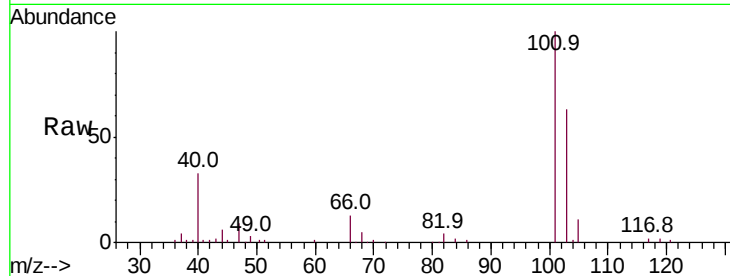
Trichlorofluoromethane
Concen: 21.052 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.4	77.2

Manual Integrations
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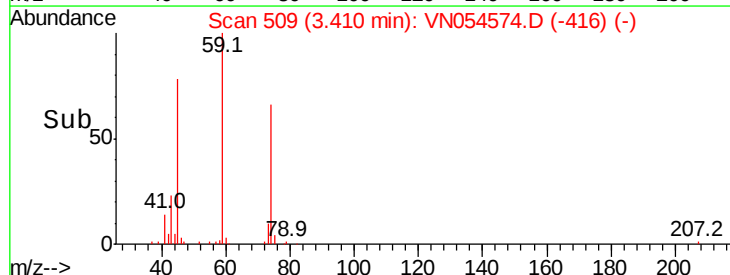
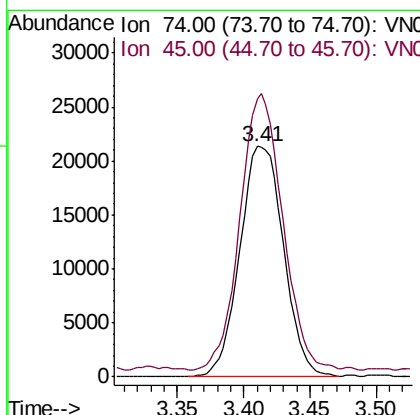
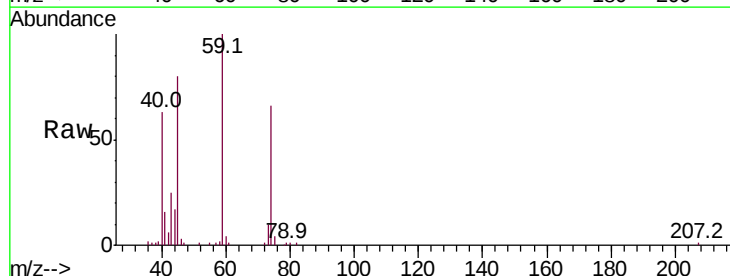
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3/25/2019 4:41:31 PM

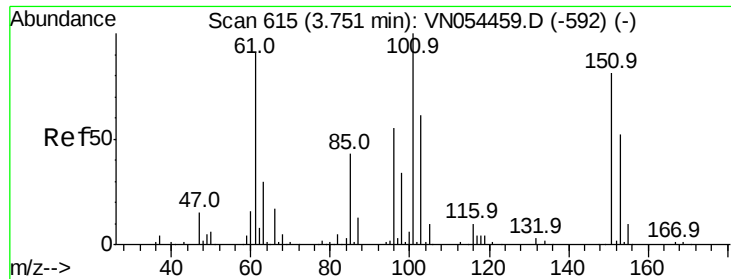


#8

Diethyl Ether
Concen: 19.367 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.177 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

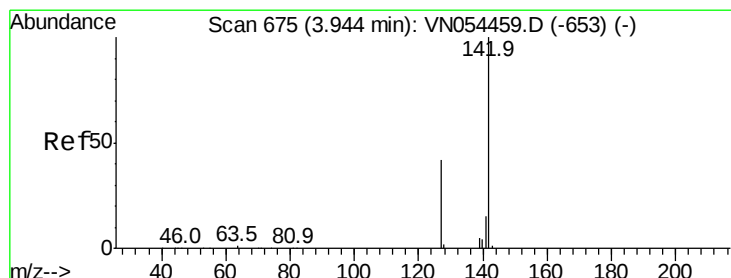
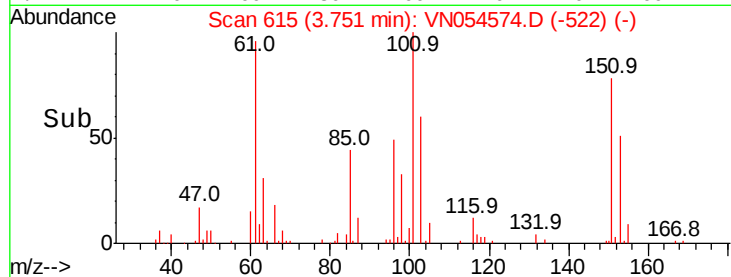
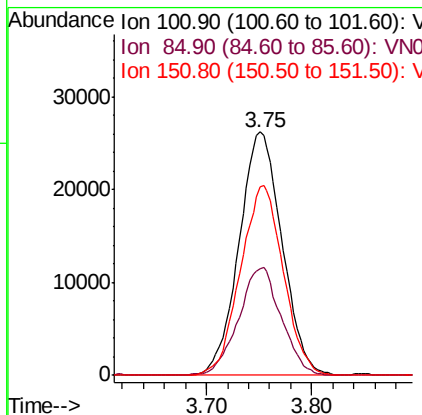
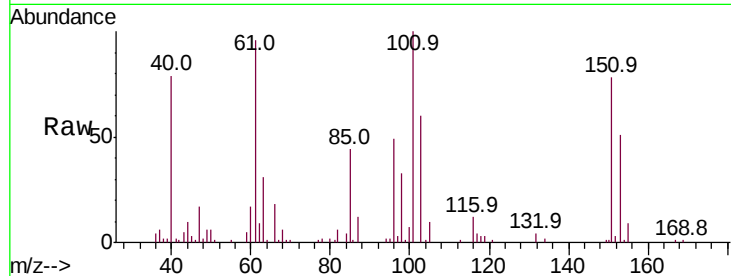
ClientSampleId :

VN0322MBS02

Tot Ion:	101	Resp:	74199
Ion Ratio	Lower	Upper	
101	100		
85	44.1	32.4	48.6
151	77.8	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.276 ug/l

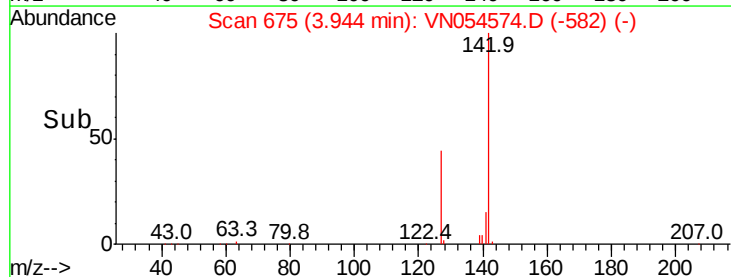
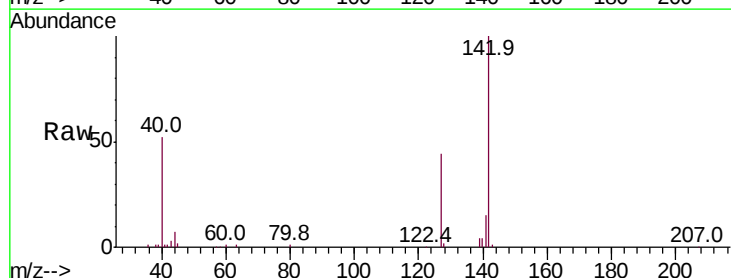
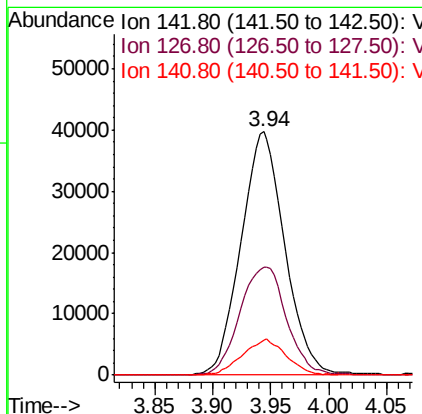
RT: 3.94 min Scan# 675

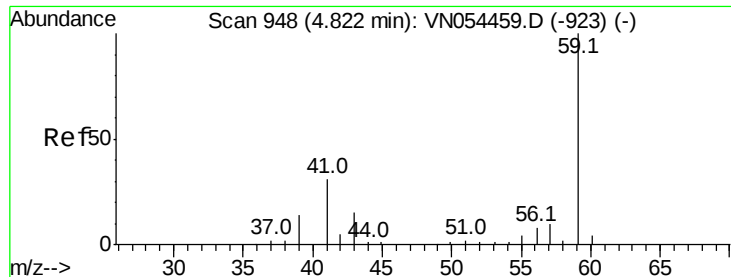
Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion:	142	Resp:	104018
Ion Ratio	Lower	Upper	
142	100		
127	47.4	30.3	45.5#
141	14.9	11.2	16.8





#11

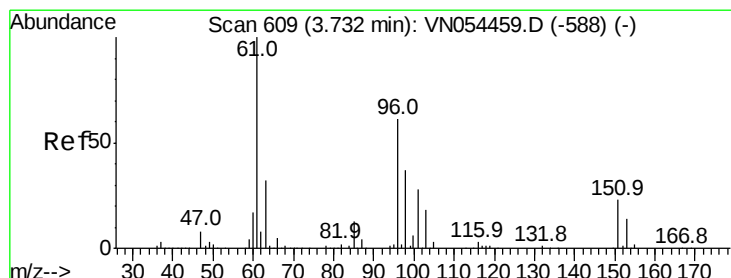
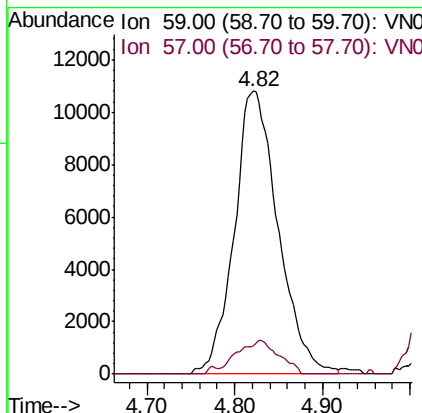
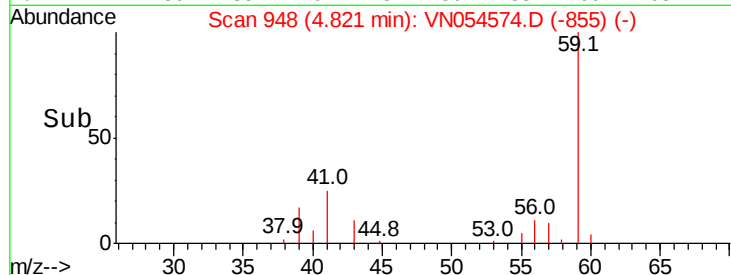
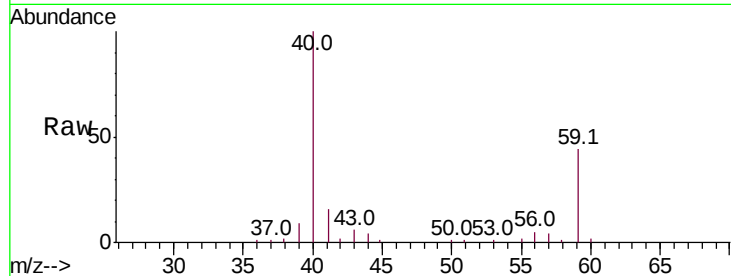
Tert butyl alcohol
 Concen: 120.257 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.6

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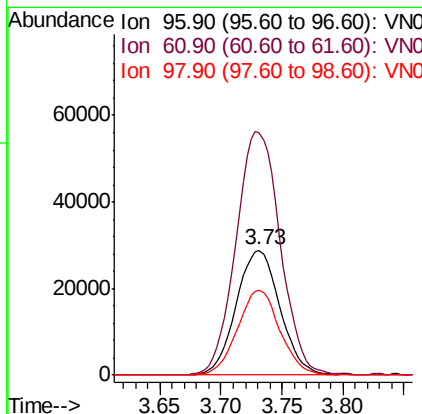
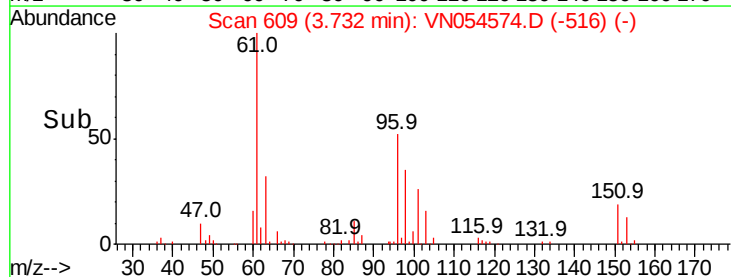
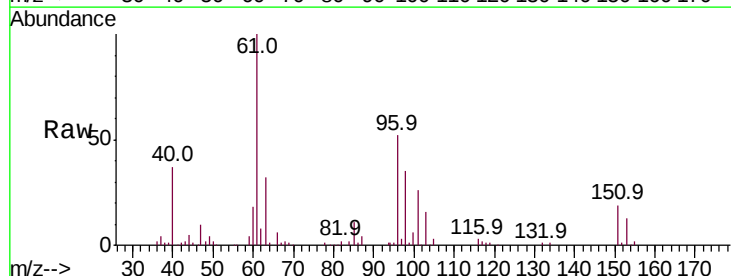
MMDadoda
 3/25/2019 4:41:31 PM

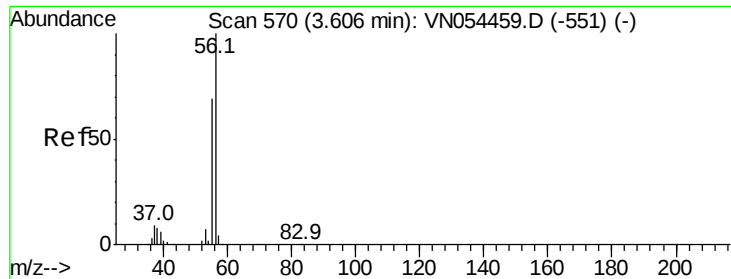


#12

1,1-Dichloroethene
 Concen: 17.880 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.8	116.5	174.7#
98	67.3	51.0	76.4





#13

Acrolein

Concen: 100.424 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBSD02

Tot Ion: 56 Resp: 43323

Ion Ratio Lower Upper

56 100

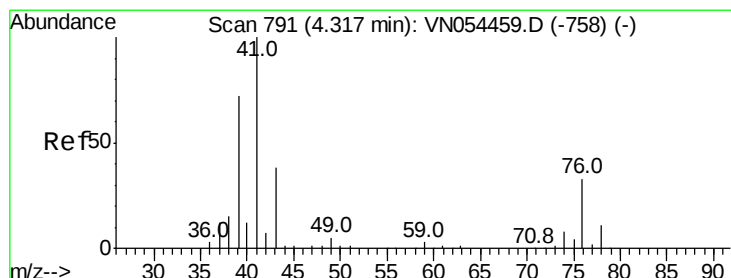
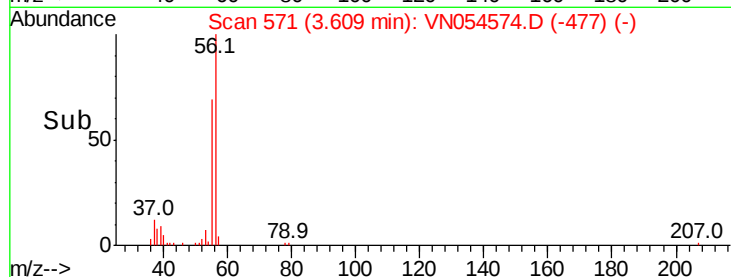
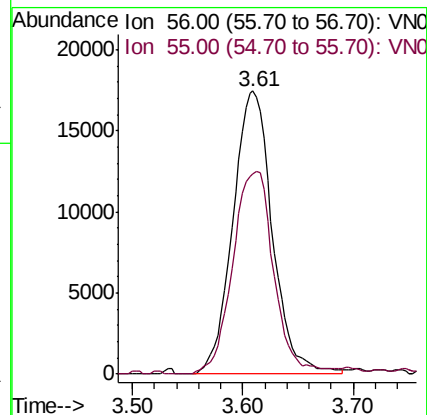
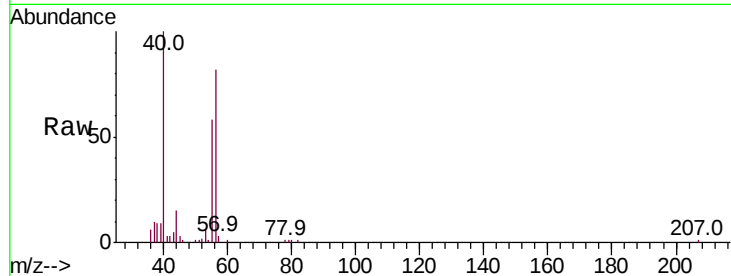
55 74.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.175 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

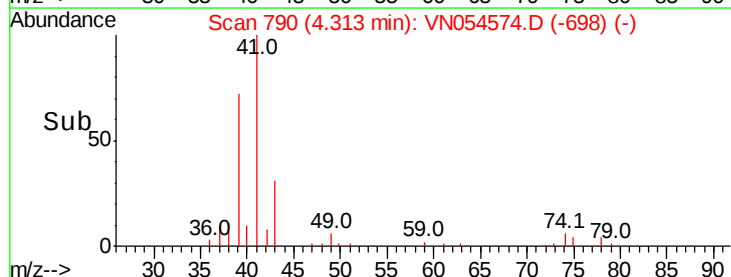
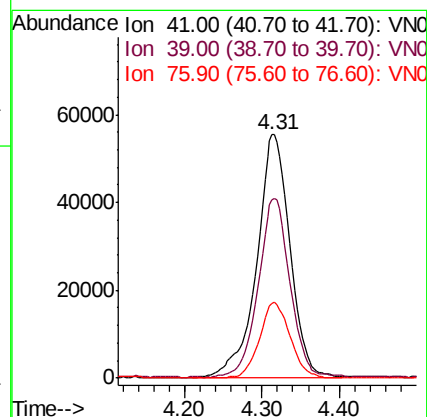
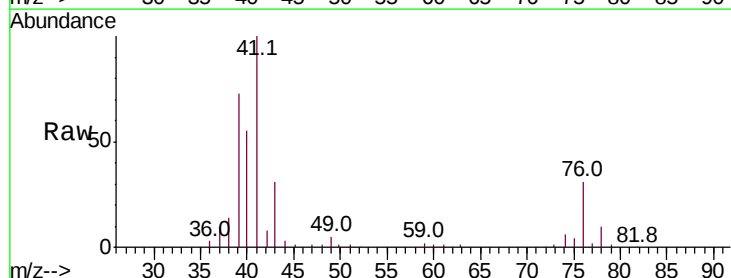
Tgt Ion: 41 Resp: 167192

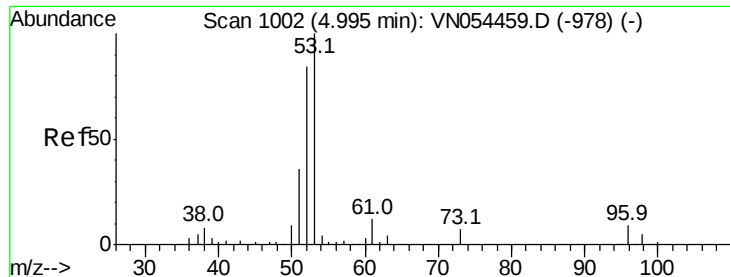
Ion Ratio Lower Upper

41 100

39 70.8 58.2 87.4

76 28.5 31.7 47.5#





#15

Acrylonitrile

Concen: 122.979 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

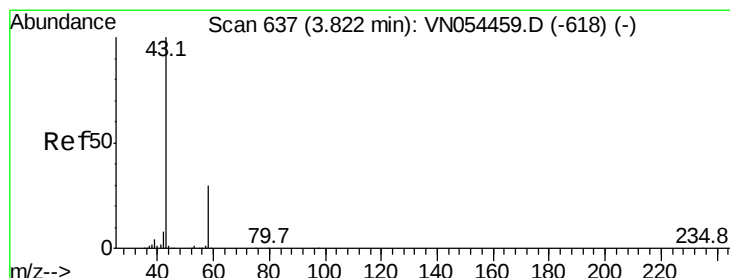
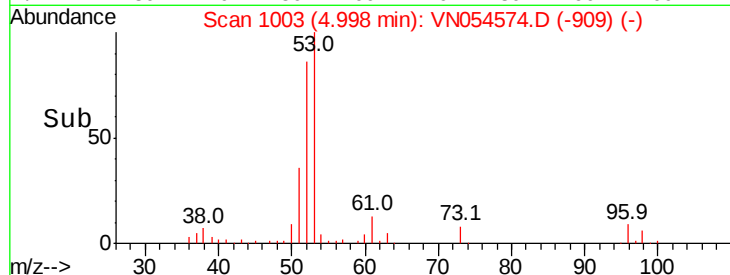
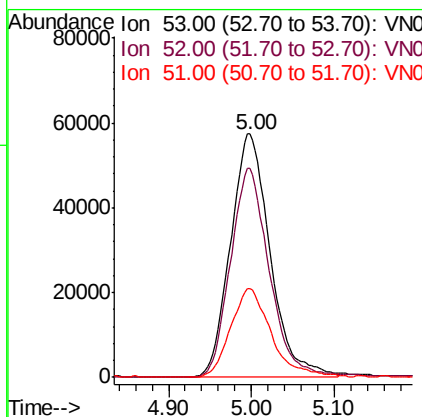
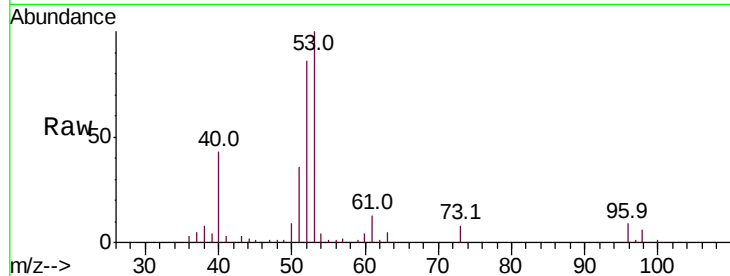
ClientSampleId :

VN0322MBSD02

Tot Ion:	53	Resp:	191447
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.4	99.6
51	37.4	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 89.732 ug/l

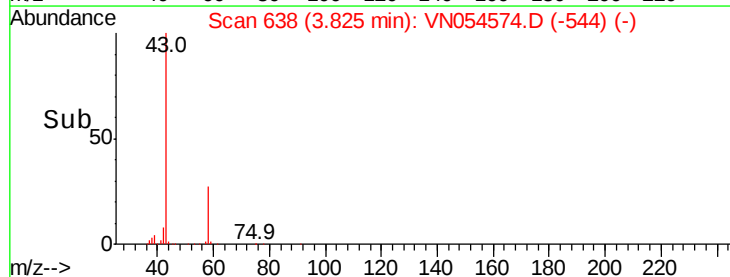
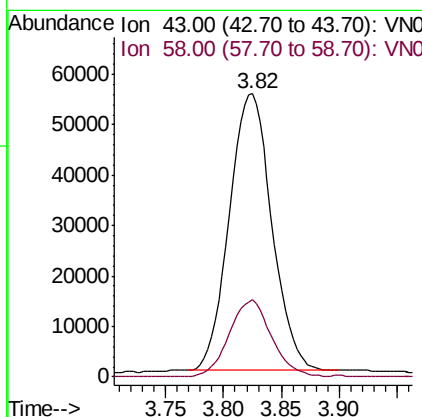
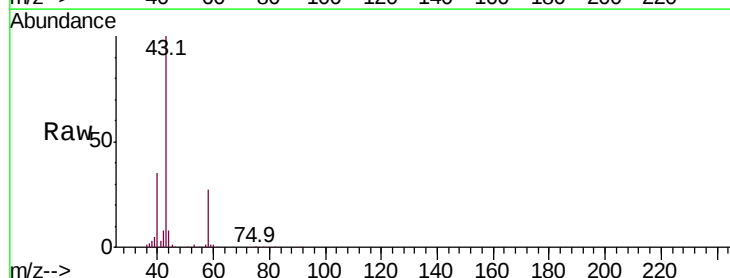
RT: 3.82 min Scan# 638

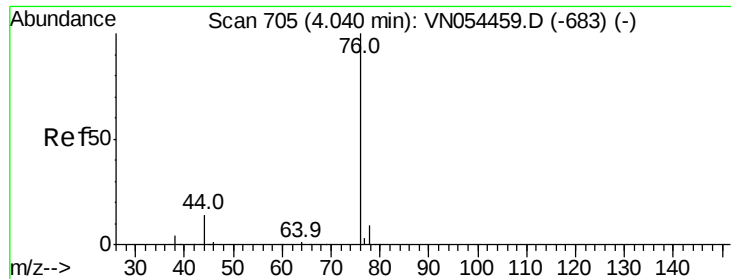
Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion:	43	Resp:	139300
Ion	Ratio	Lower	Upper
43	100		
58	27.8	29.9	44.9#





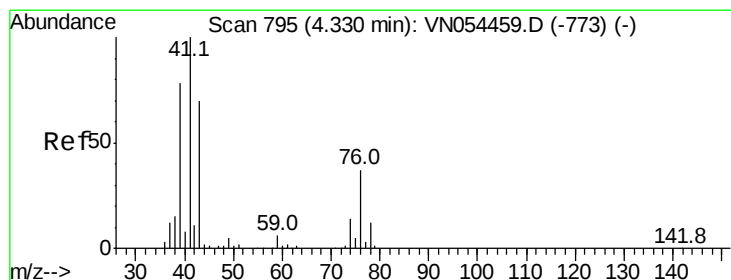
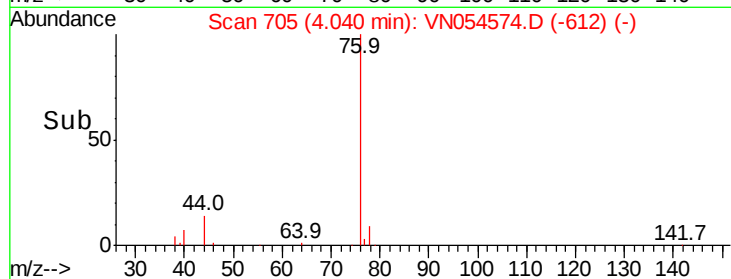
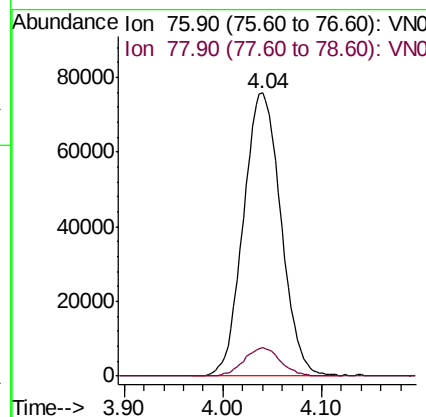
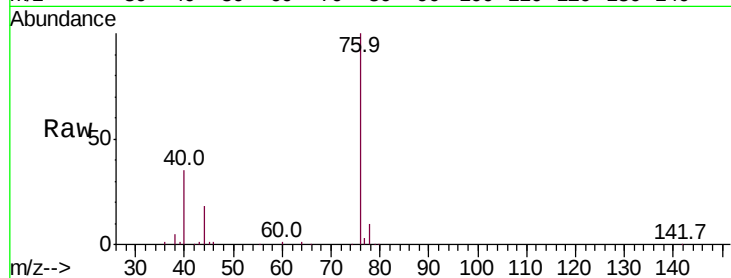
#17
Carbon Disulfide
Concen: 18.594 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion: 76 Resp: 199483
Ion Ratio Lower Upper
76 100
78 10.0 7.5 11.3

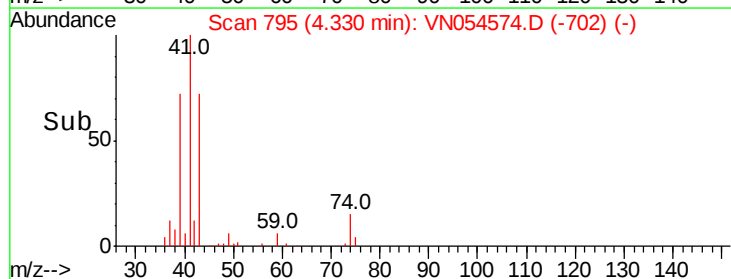
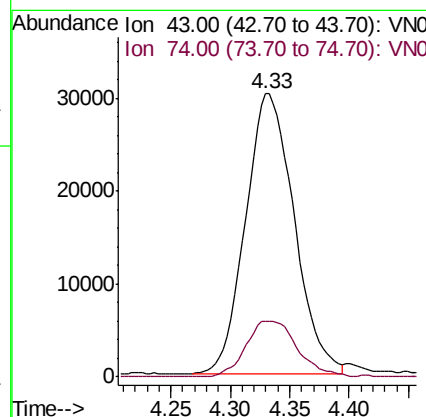
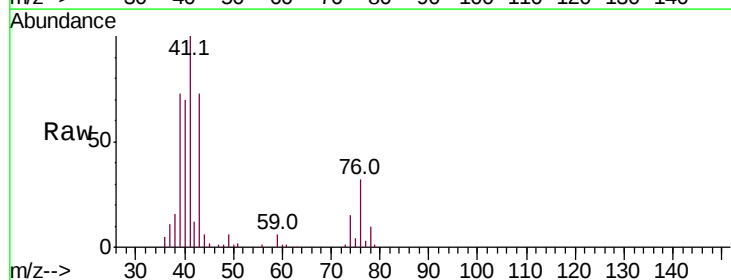
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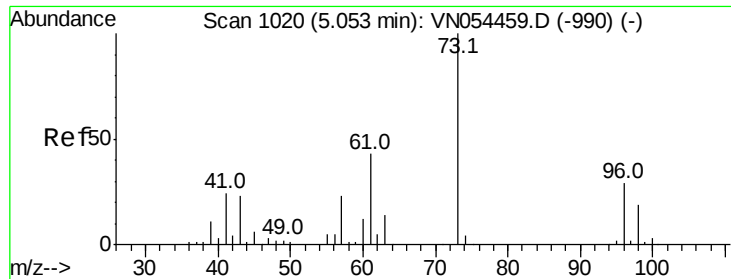
MMDadoda
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#18
Methyl Acetate
Concen: 24.736 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion: 43 Resp: 85589
Ion Ratio Lower Upper
43 100
74 21.1 20.8 31.2





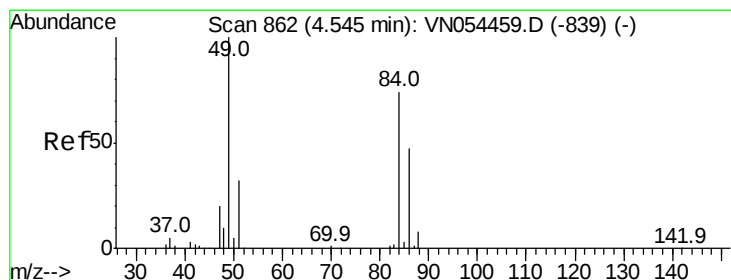
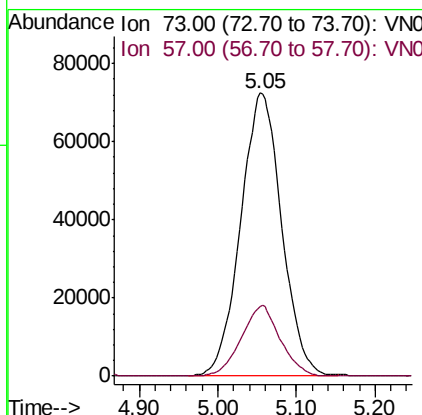
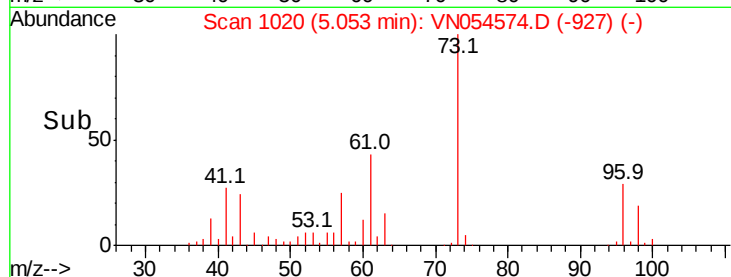
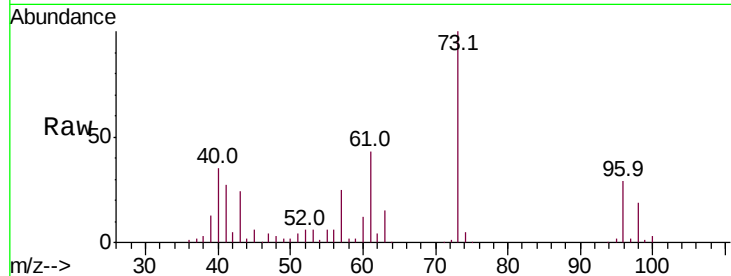
#19
Methvl tert-butvl Ether
Concen: 22.744 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBSD02

Tot Ion: 73 Resp: 265773
Ion Ratio Lower Upper
73 100
57 24.6 16.8 25.2

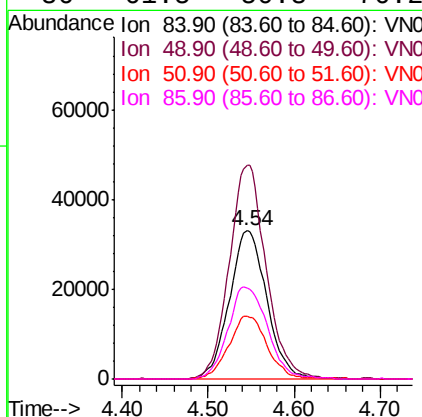
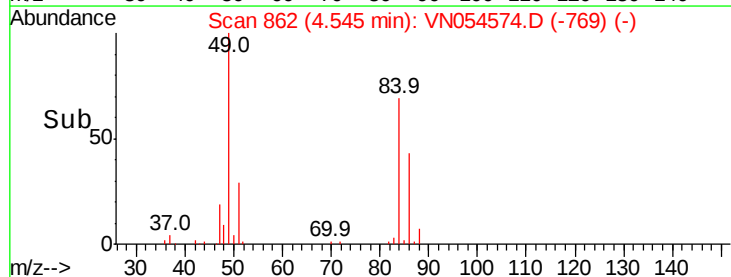
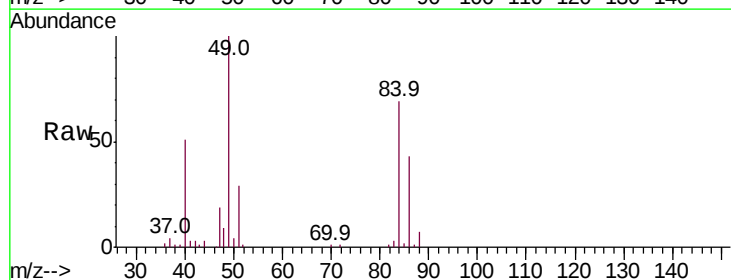
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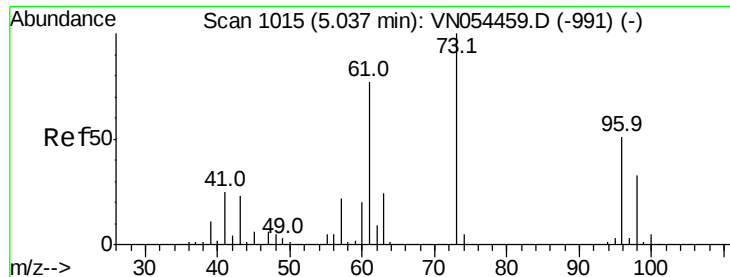
MMDadoda
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#20
Methylene Chloride
Concen: 21.825 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion: 84 Resp: 99875
Ion Ratio Lower Upper
84 100
49 144.2 89.7 134.5#
51 42.4 28.2 42.4#
86 61.5 50.8 76.2





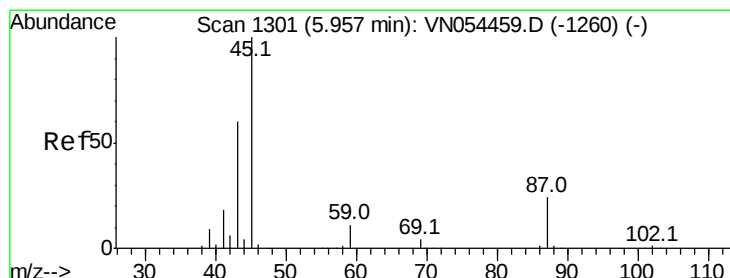
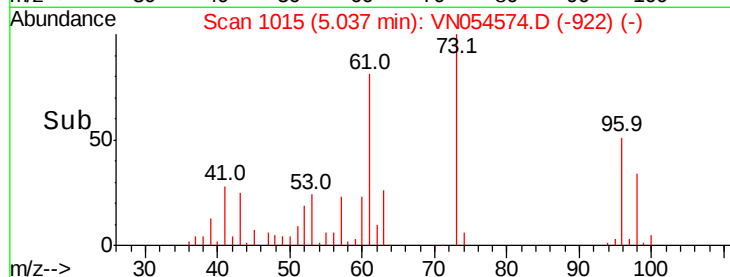
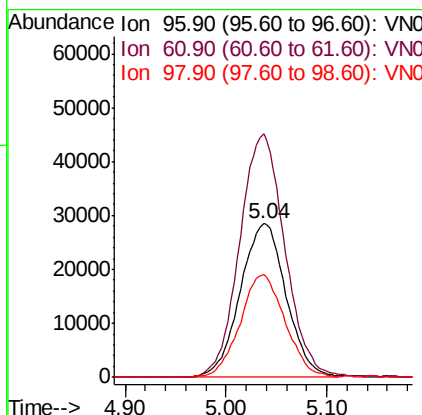
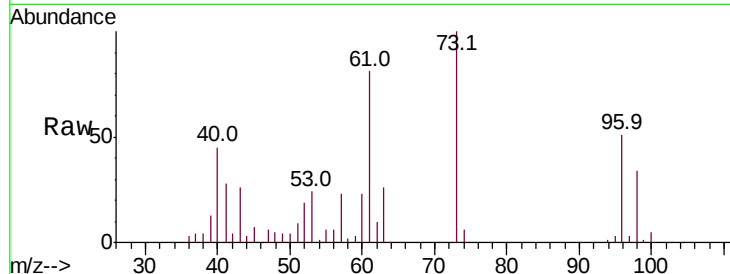
#21
trans-1,2-Dichloroethene
Concen: 22.078 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion: 96 Resp: 90268
Ion Ratio Lower Upper
96 100
61 158.2 102.8 154.2#
98 66.7 50.0 75.0

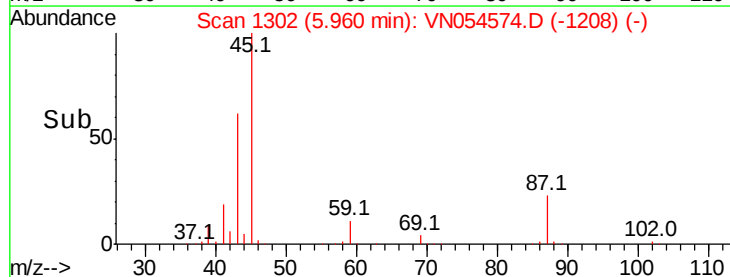
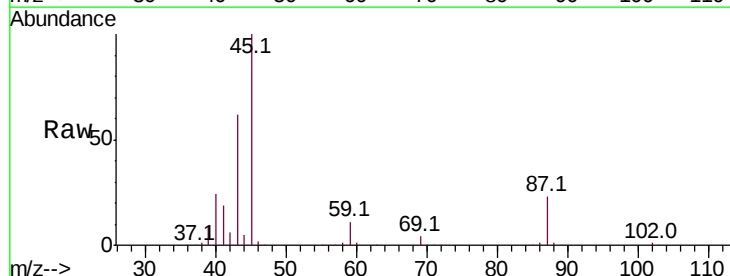
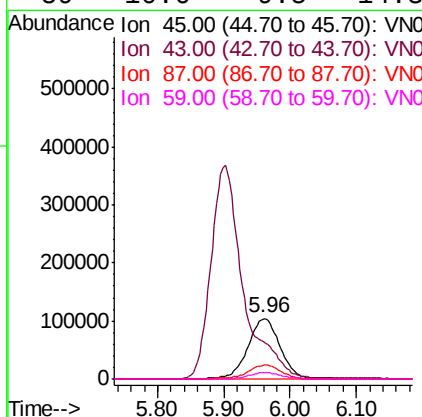
Manual Integrations
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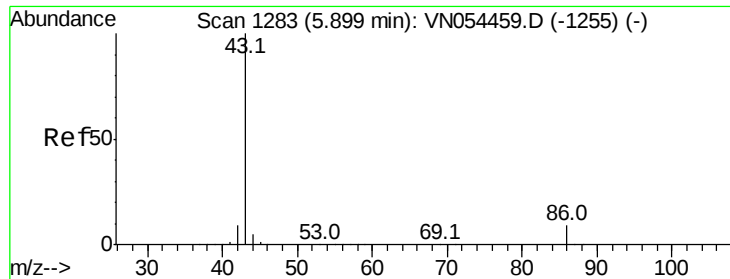
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#22
Diisopropyl ether
Concen: 23.808 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion: 45 Resp: 354073
Ion Ratio Lower Upper
45 100
43 59.6 48.2 72.2
87 22.3 24.9 37.3#
59 10.6 9.5 14.3





#23

Vinyl Acetate

Concen: 118.851 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBSD02

Tot Ion: 43 Resp: 1248374

Ion Ratio Lower Upper

43 100

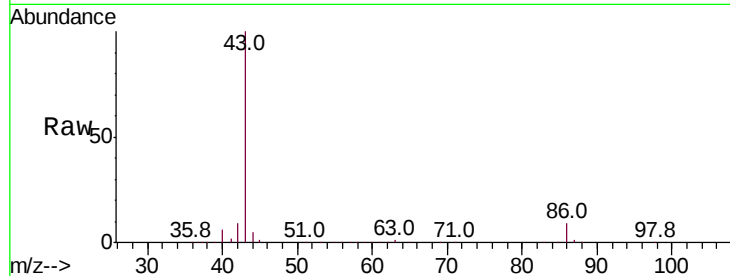
86 8.7 9.1 13.7#

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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

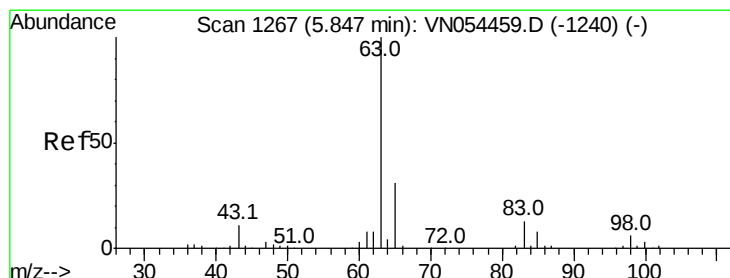
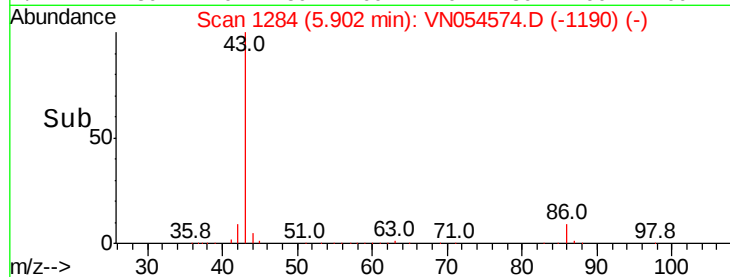
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 23.213 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

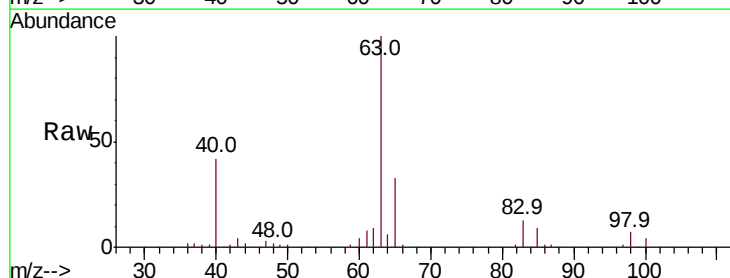
Tgt Ion: 63 Resp: 185884

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.1 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

5.84

80000

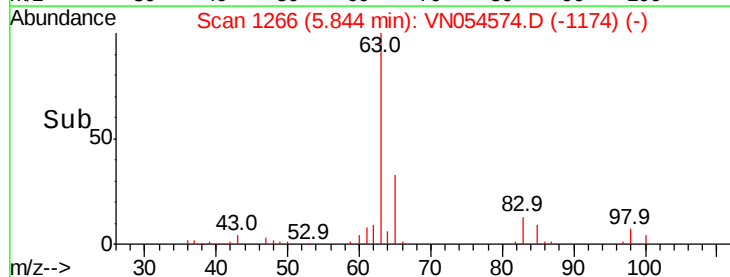
60000

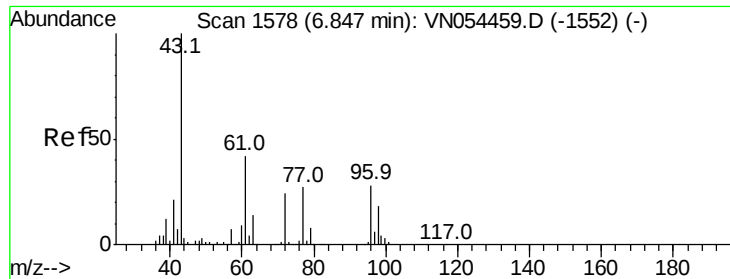
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 120.435 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBSD02

Tot Ion: 43 Resp: 239499

Ion Ratio Lower Upper

43 100

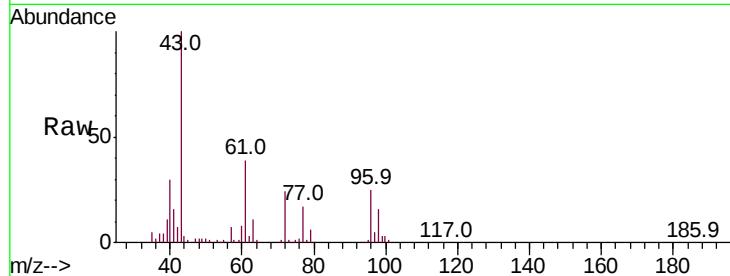
72 23.6 23.0 34.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

80000

60000

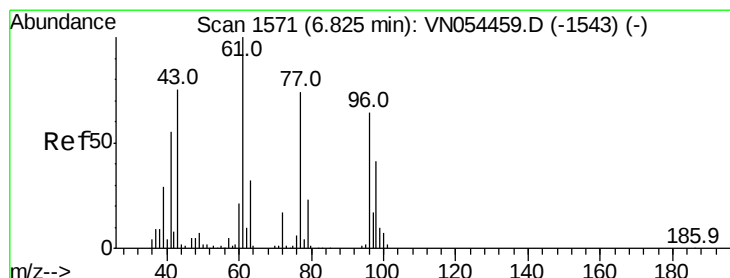
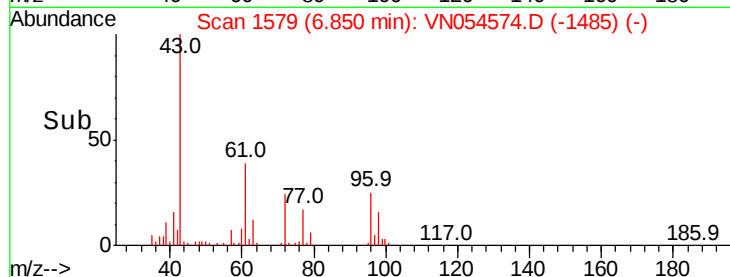
40000

20000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 17.803 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054574.D

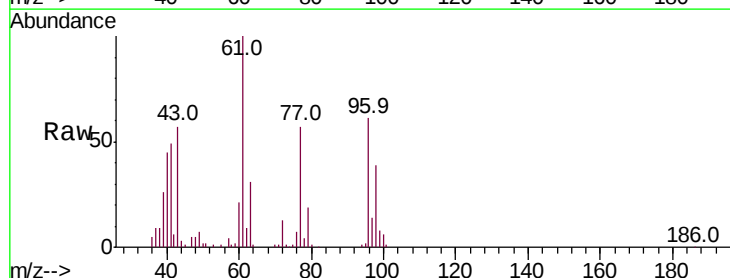
Acq: 22 Mar 2019 23:35

Tgt Ion: 77 Resp: 101622

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

30000

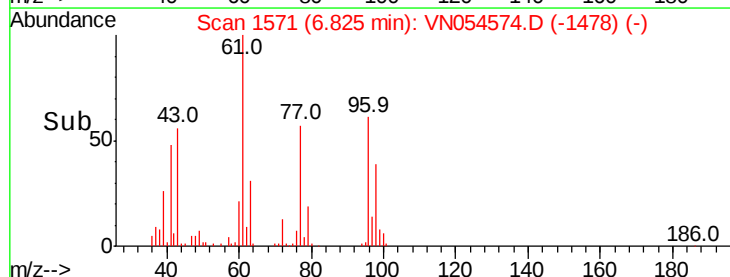
20000

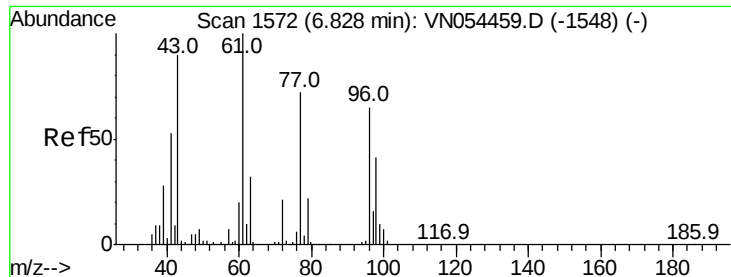
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.705 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

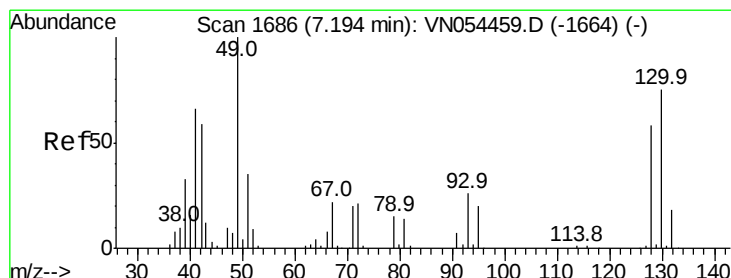
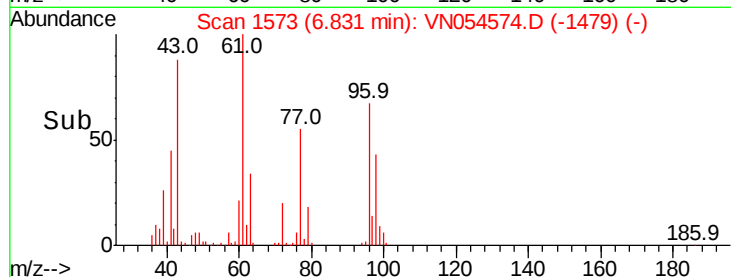
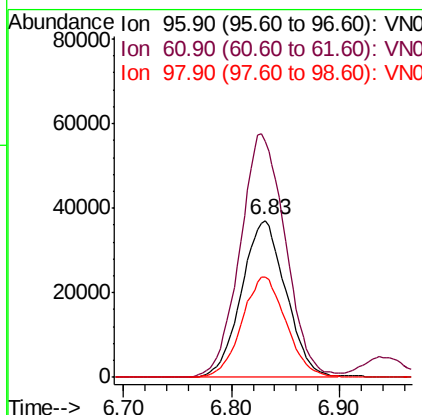
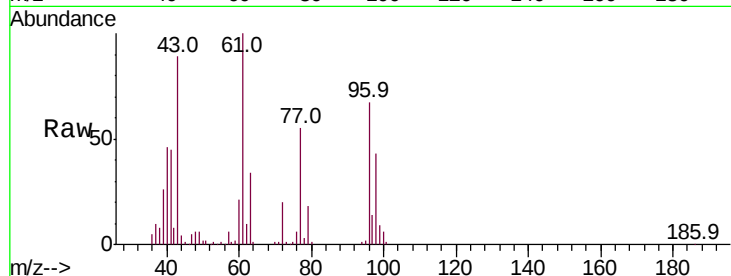
ClientSampleId :

VN0322MBSD02

Tot Ion	96	Resp	105847
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	273.0
98	64.2	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.110 ug/l

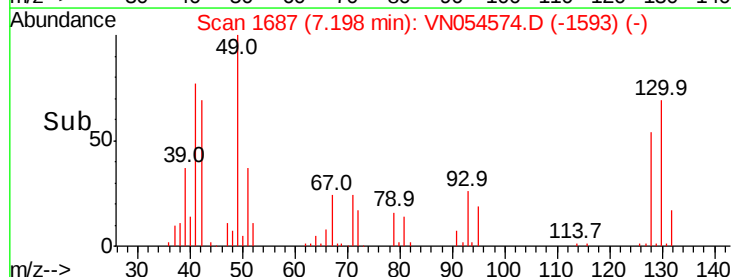
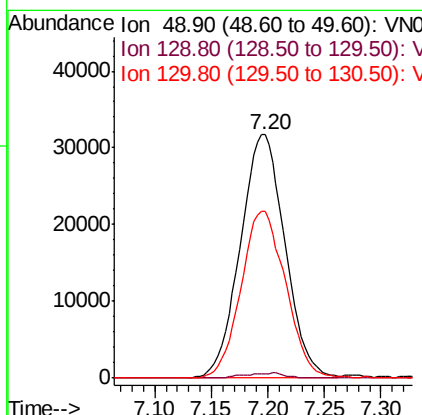
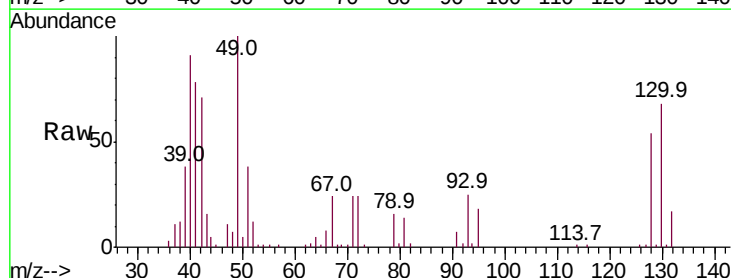
RT: 7.20 min Scan# 1687

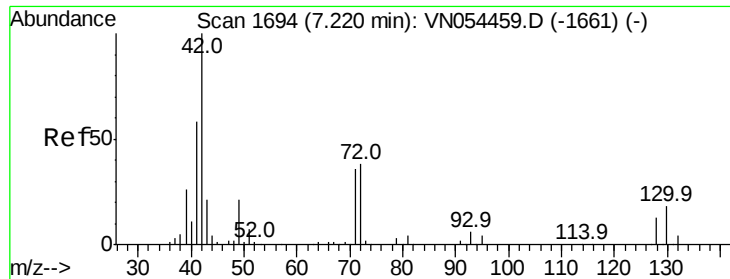
Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion	49	Resp	87147
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	68.3	76.7	115.1#





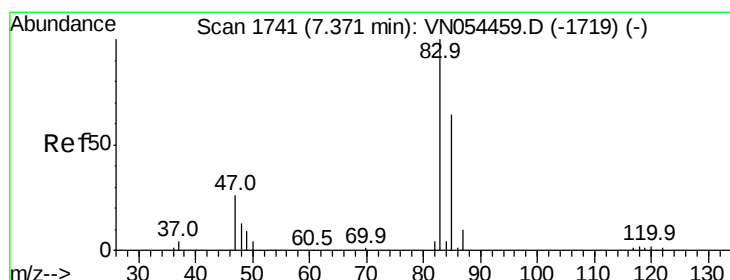
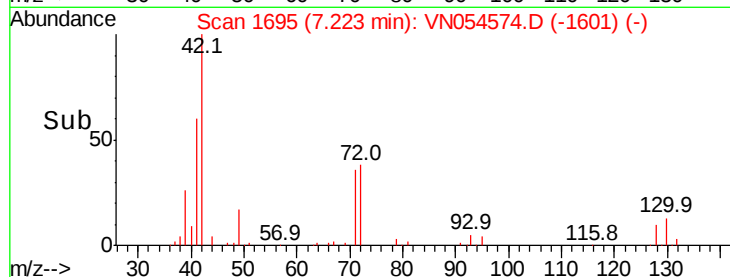
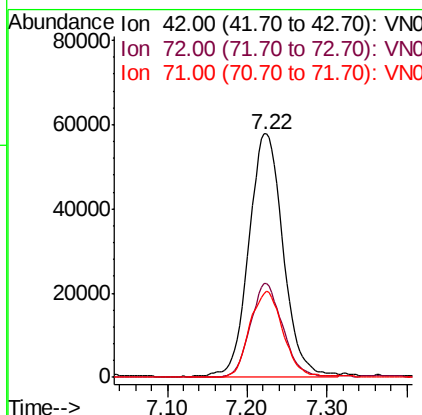
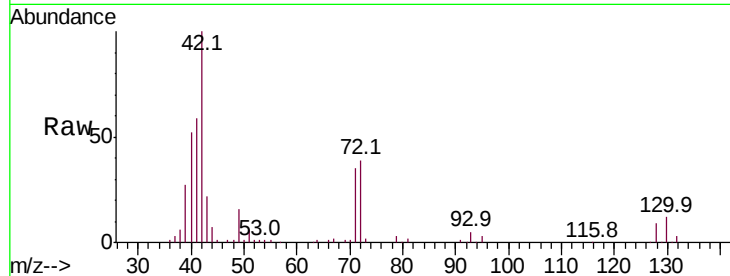
#29
Tetrahydrofuran
Concen: 129.839 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	37.8	56.6#
71	34.5	36.2	54.2#

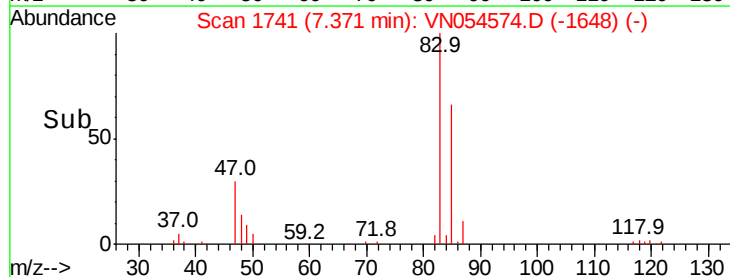
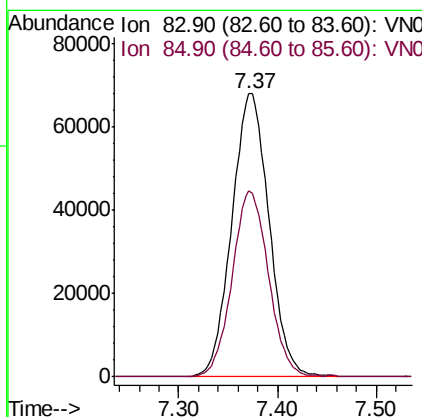
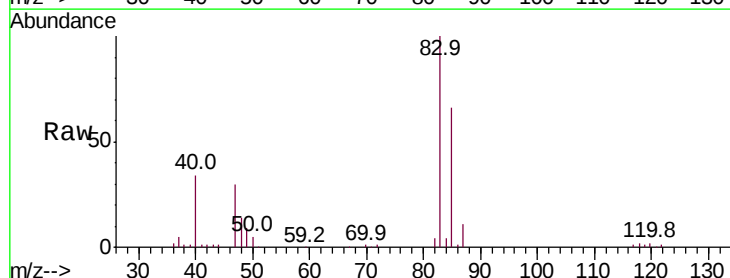
Manual Integrations
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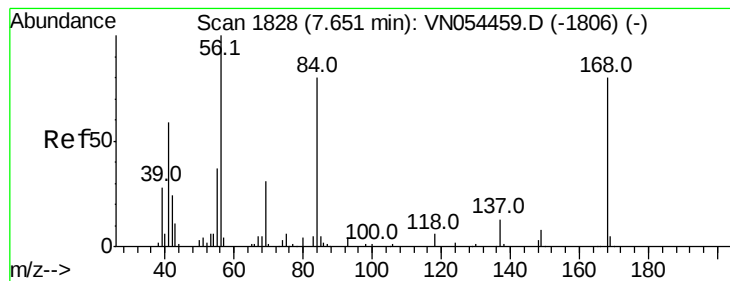
MMDadoda
3/25/2019 4:41:31 PM



#30
Chloroform
Concen: 22.835 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4





#31

Cyclohexane

Concen: 21.581 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 56 Resp: 173691

Ion Ratio Lower Upper

56 100

69 33.9 27.8 41.6

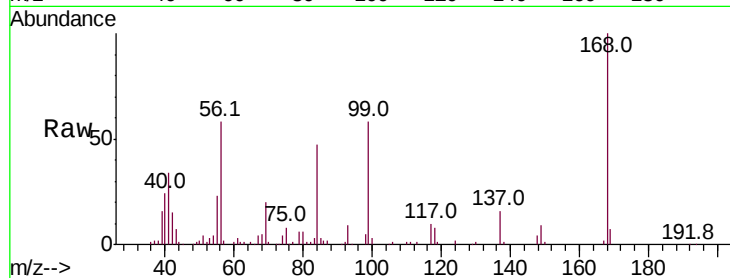
84 79.4 74.6 111.8

Manual Integrations

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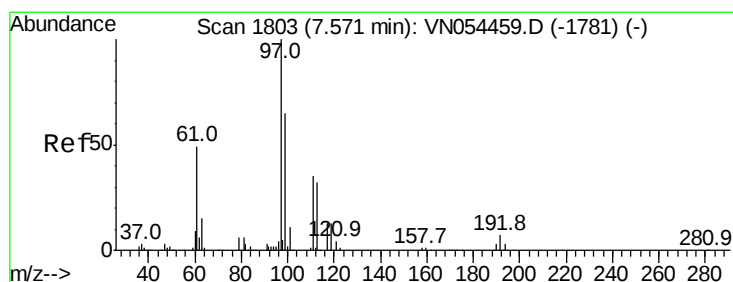
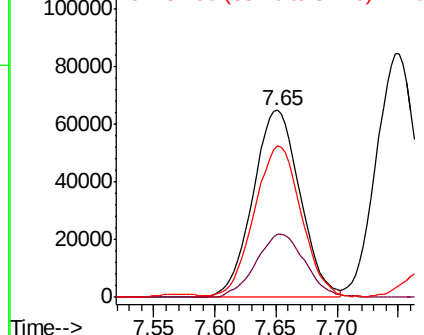
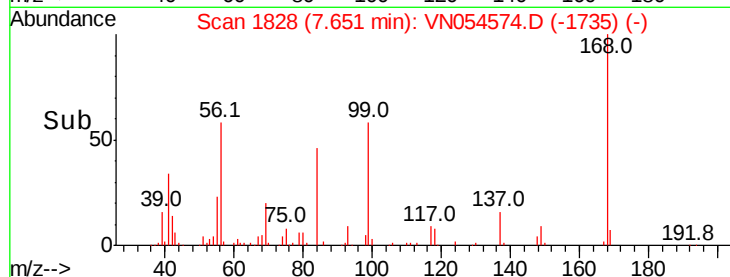
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.969 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

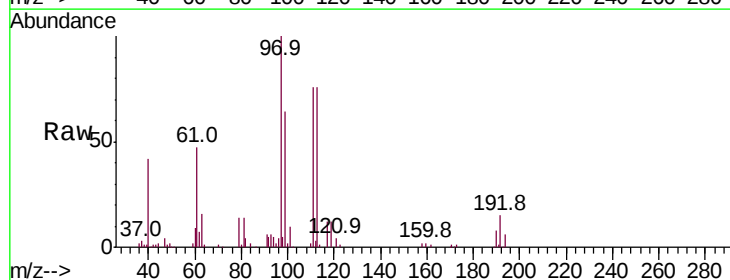
Tgt Ion: 97 Resp: 148085

Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

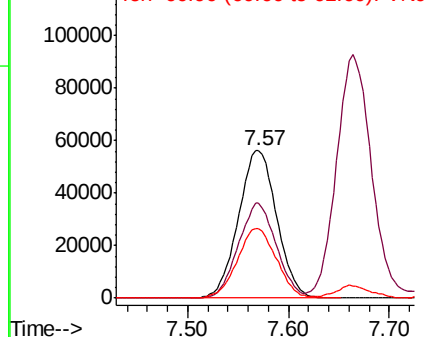
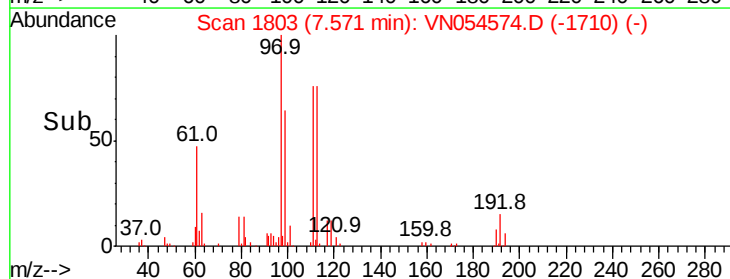
61 48.1 33.6 50.4

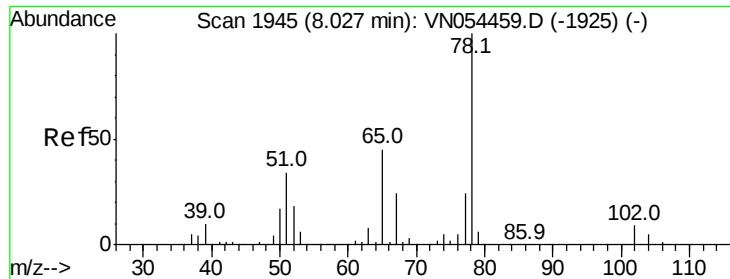


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





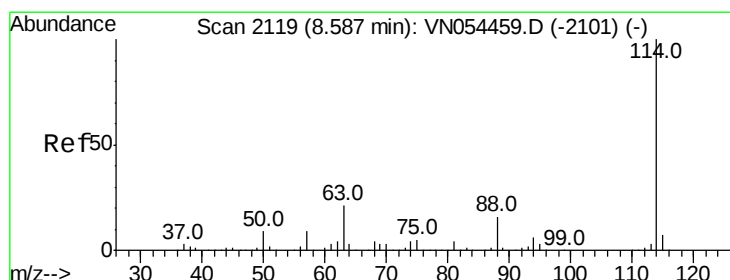
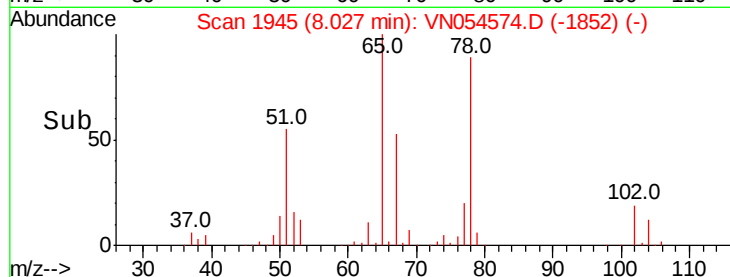
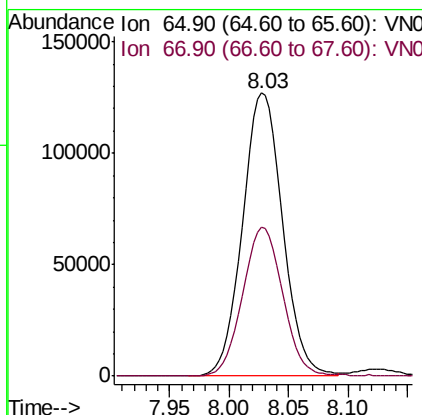
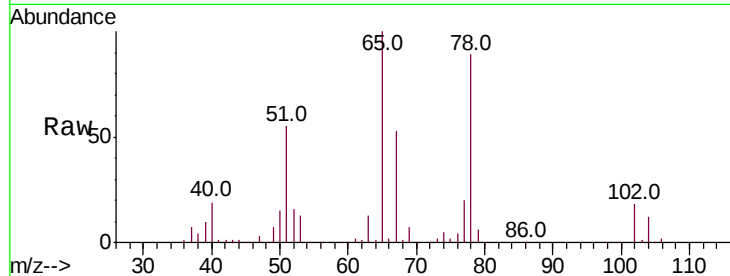
#33
 1,2-Dichloroethane-d4
 Concen: 57.535 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	297080		
67	52.7	0.0	104.6	

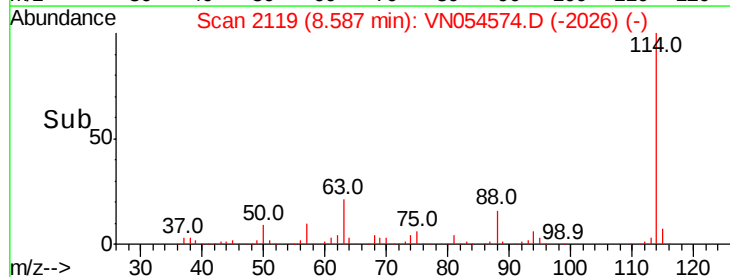
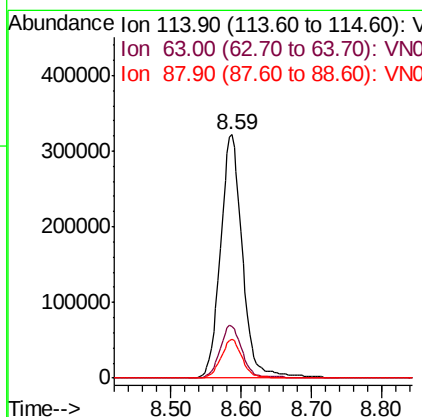
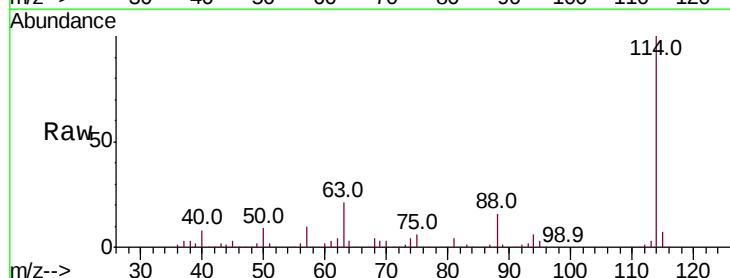
Manual Integrations
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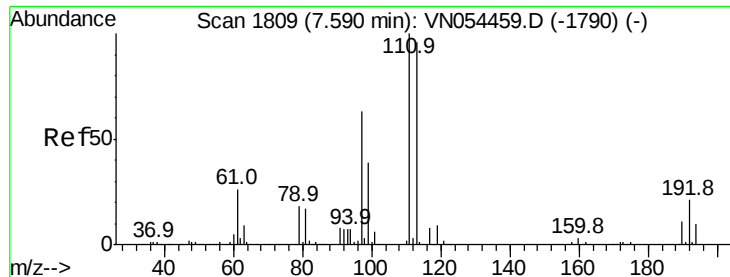
MMDadoda
 3/25/2019 4:41:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	699541		
63	21.4	0.0	35.2	
88	16.1	0.0	30.2	





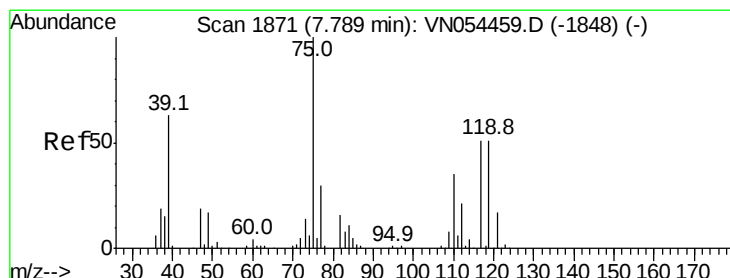
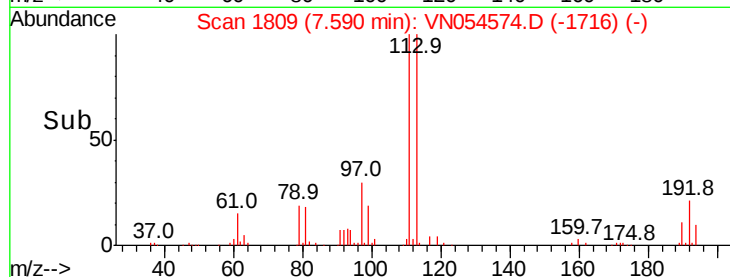
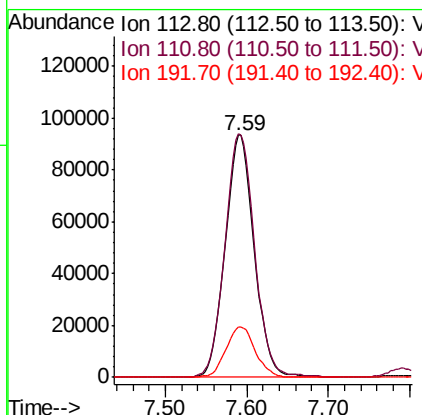
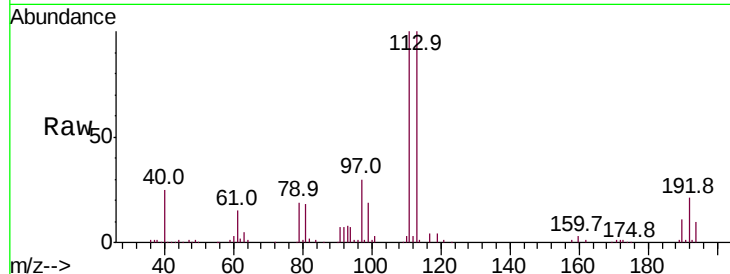
#35
 Dibromofluoromethane
 Concen: 51.881 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.2	123.4	
192	21.1	19.2	28.8	

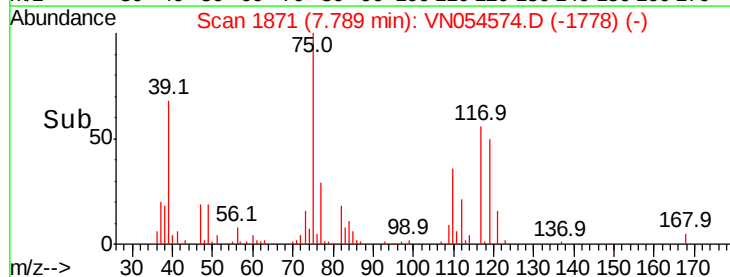
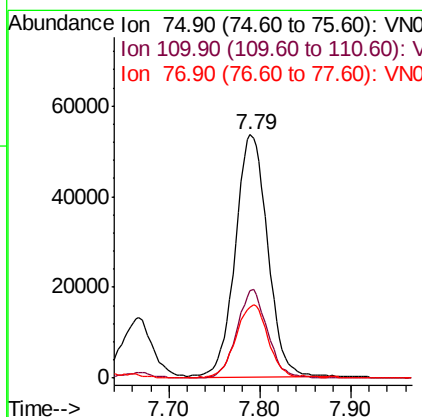
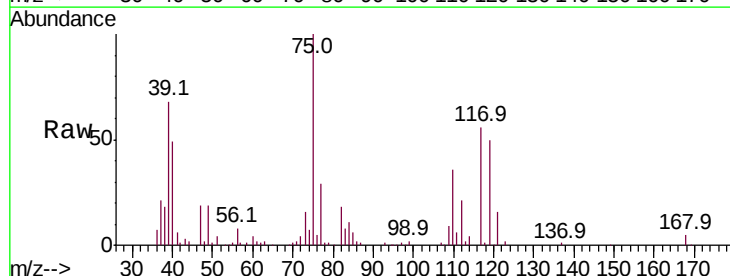
Manual Integrations
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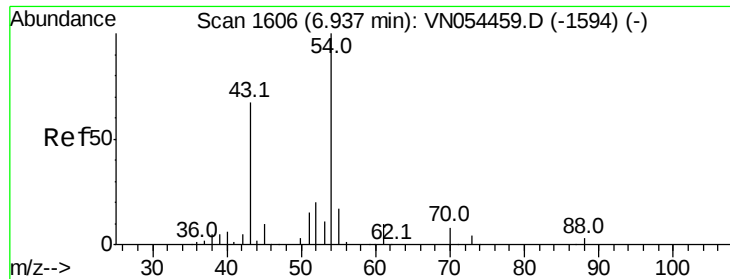
MMDadoda
 3/25/2019 4:41:31 PM



#36
 1,1-Dichloropropene
 Concen: 20.192 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.7	19.1	57.5	
77	30.2	25.0	37.4	





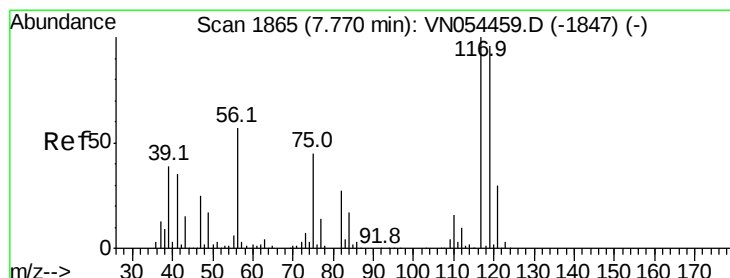
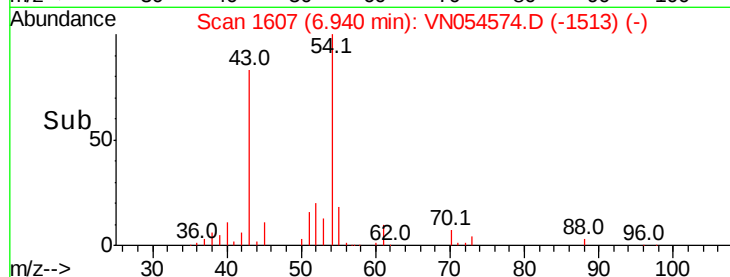
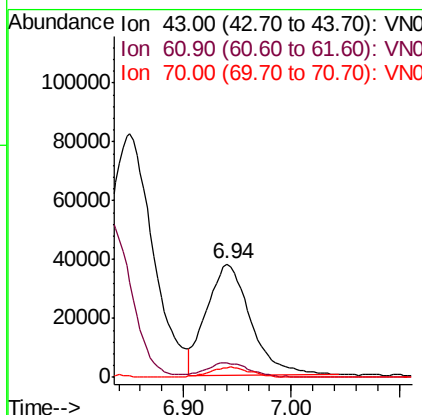
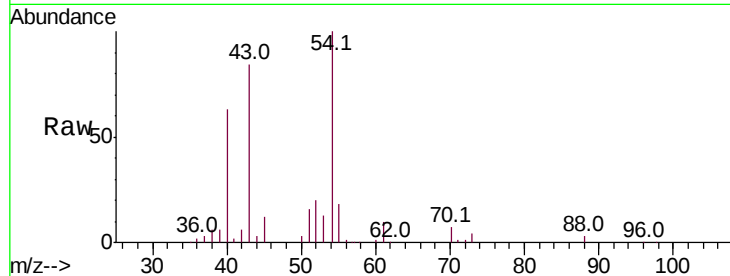
#37
Ethyl Acetate
Concen: 23.069 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	11.8	17.6#
70	8.5	8.4	12.6

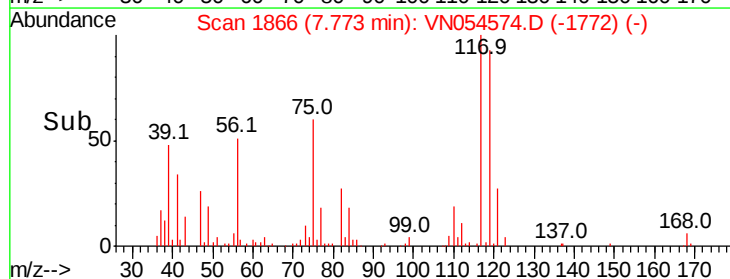
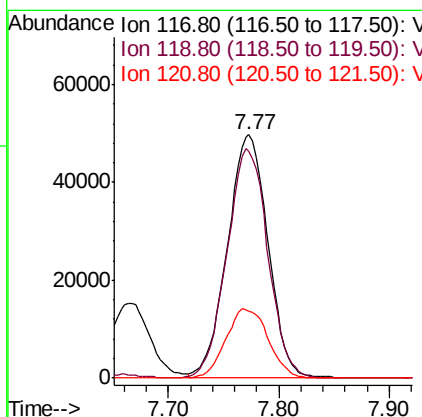
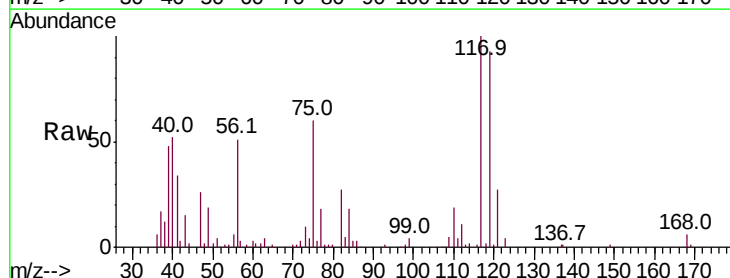
Manual Integrations
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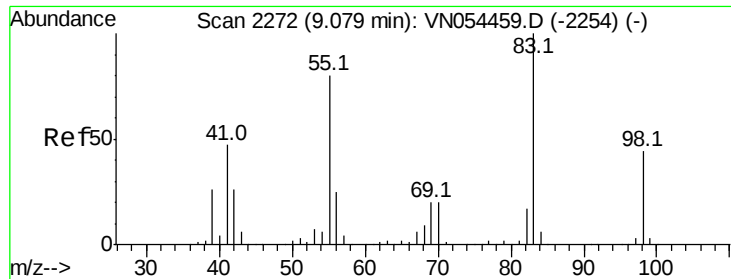
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#38
Carbon Tetrachloride
Concen: 19.966 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.3	114.5
121	27.4	24.6	36.8





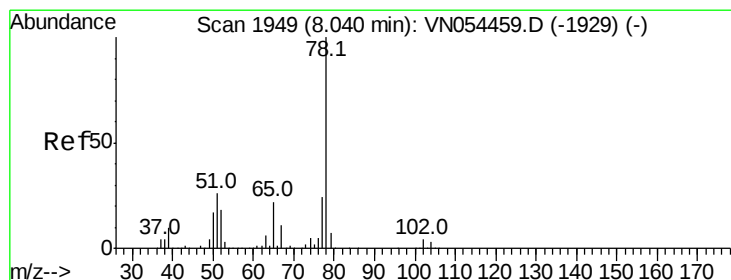
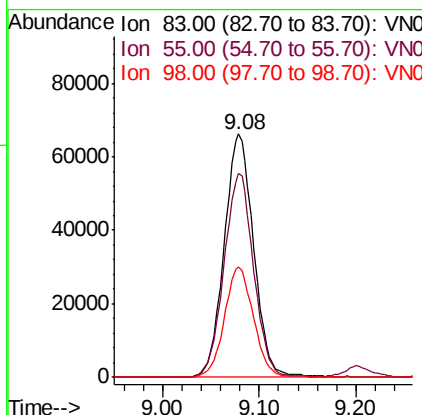
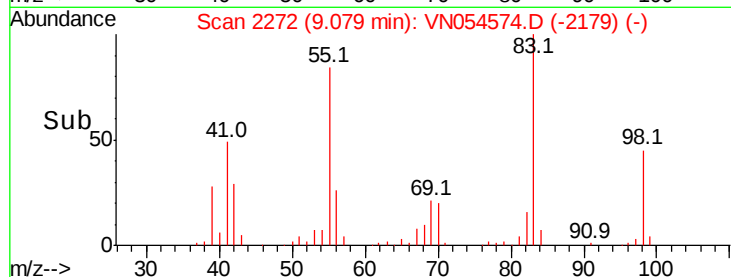
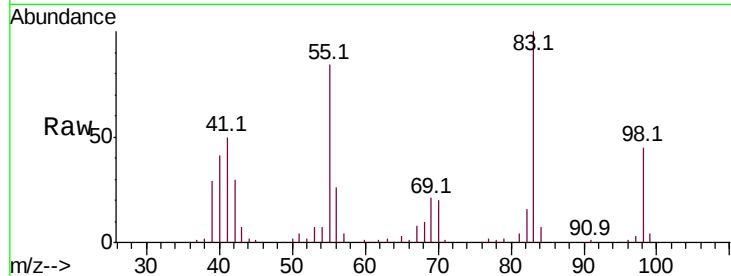
#39
Methvlcvclohexane
Concen: 18.692 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	83	Resp	139853
Ion Ratio	100	Lower	Upper
83	100		
55	83.6	56.6	84.8
98	45.5	38.4	57.6

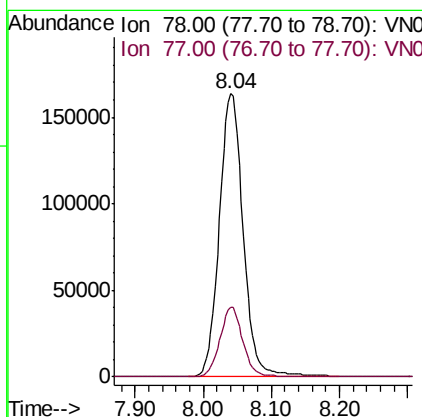
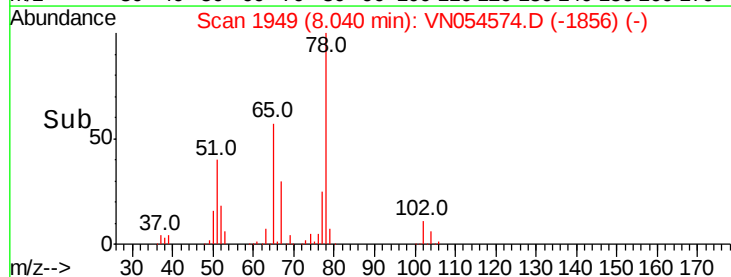
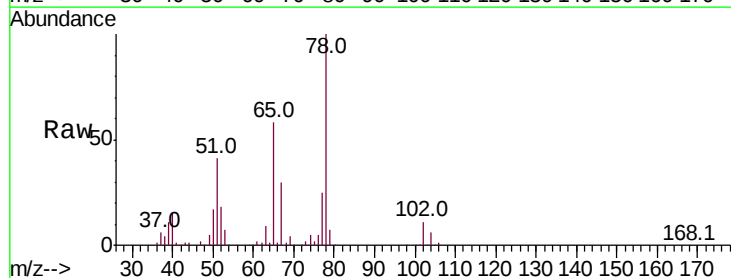
Manual Integrations
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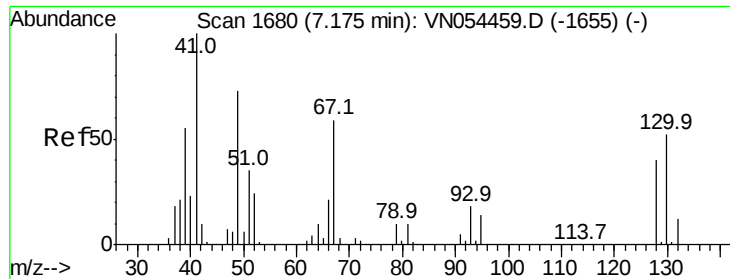
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#40
Benzene
Concen: 21.267 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	78	Resp	397772
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	19.1	28.7





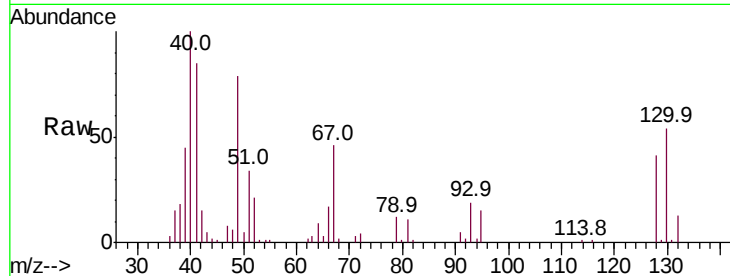
#41
Methacrylonitrile
Concen: 22.189 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.4	46.8	70.2
67	66.4	67.0	100.4
52	30.3	26.5	39.7

Manual Integrations
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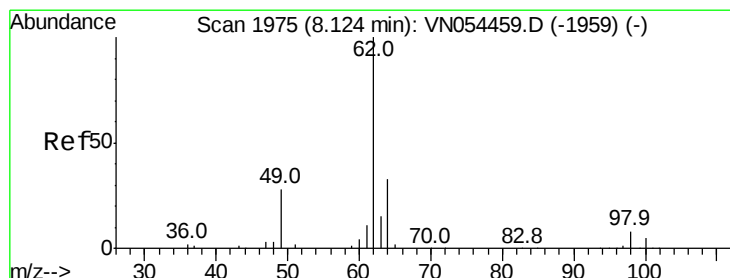
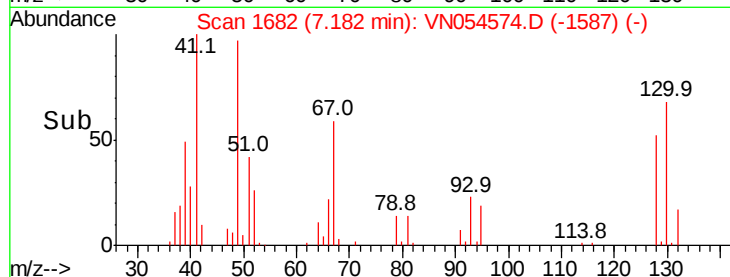
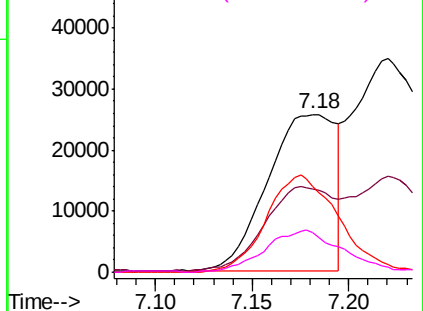
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

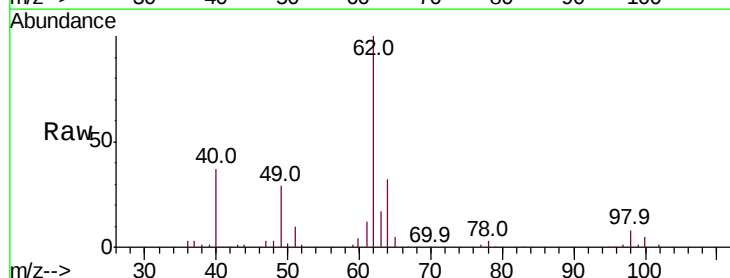
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 21.447 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

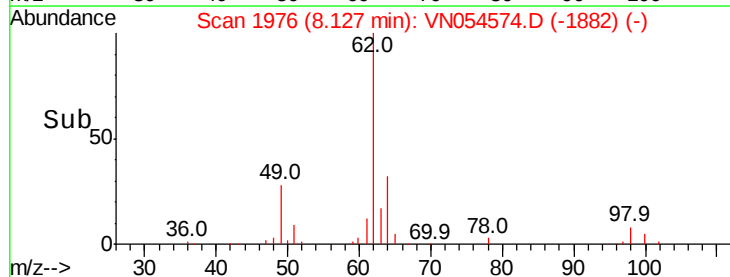
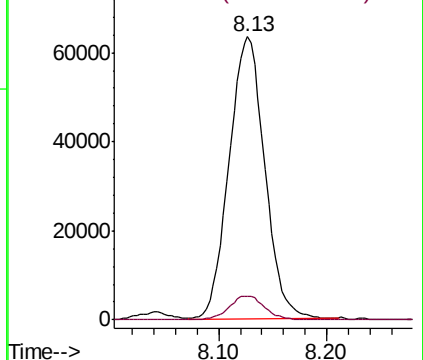
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.4

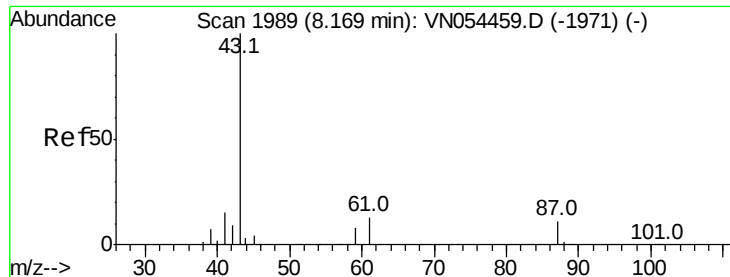


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 22.846 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

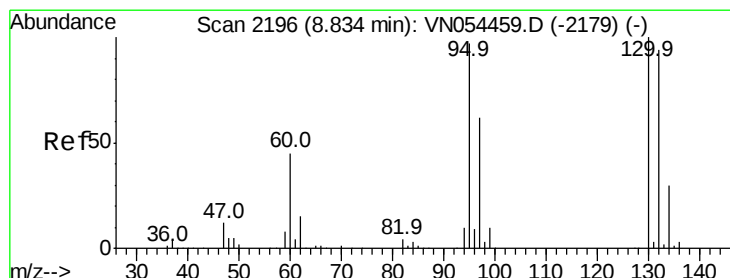
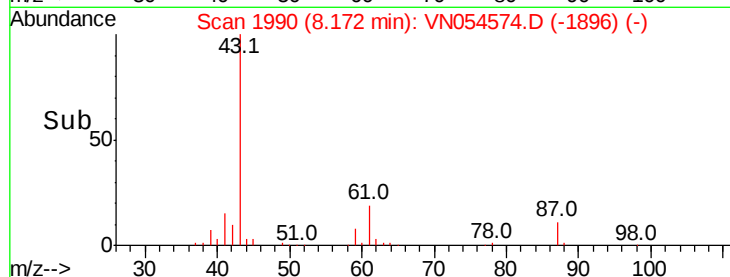
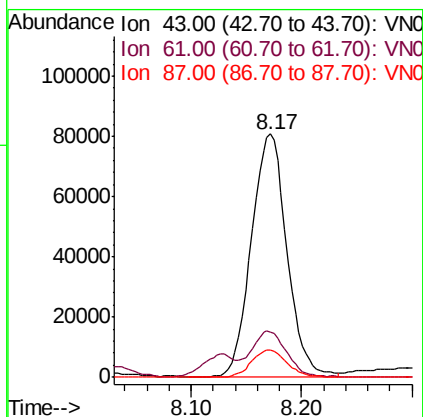
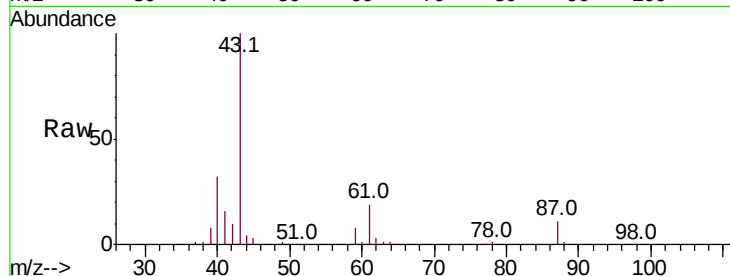
ClientSampleId :

VN0322MBS02

Tot Ion:	43	Resp:	179495
Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.8
87	11.2	12.0	18.0#

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#44

Trichloroethene

Concen: 20.289 ug/l

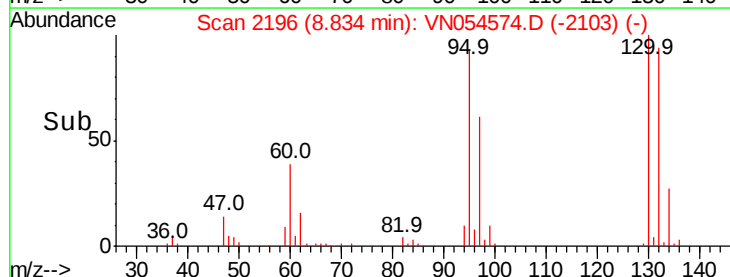
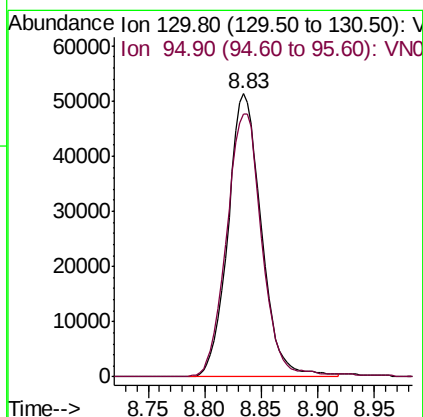
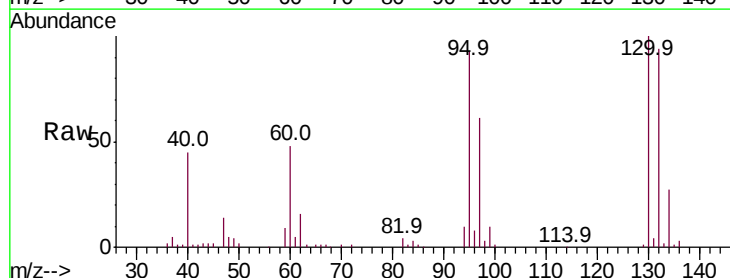
RT: 8.83 min Scan# 2196

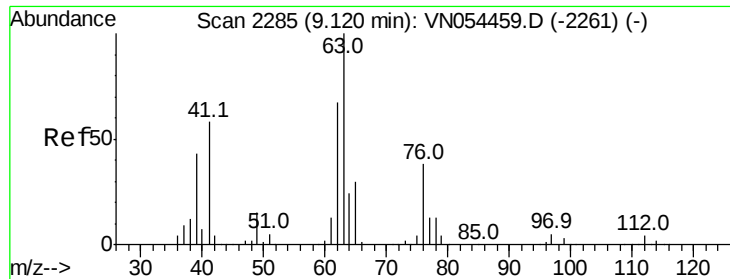
Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion:	130	Resp:	105503
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.2





#45

1,2-Dichloropropane

Concen: 22.752 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 63 Resp: 114266

Ion Ratio Lower Upper

63 100

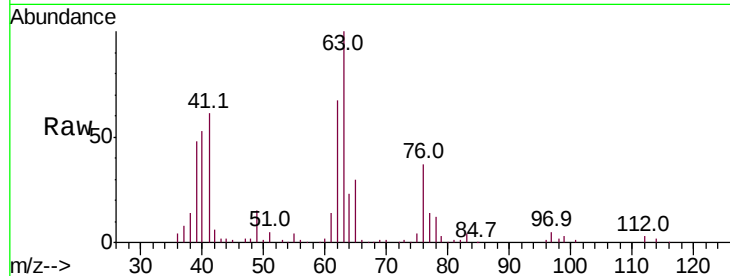
65 29.6 25.0 37.6

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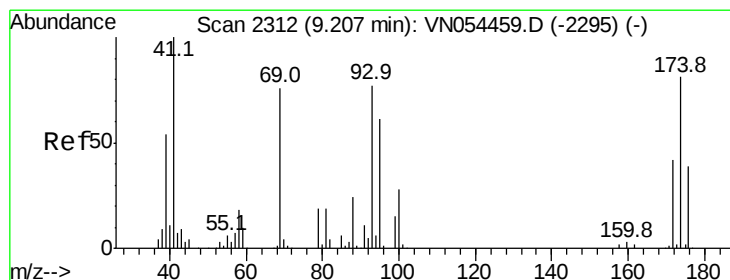
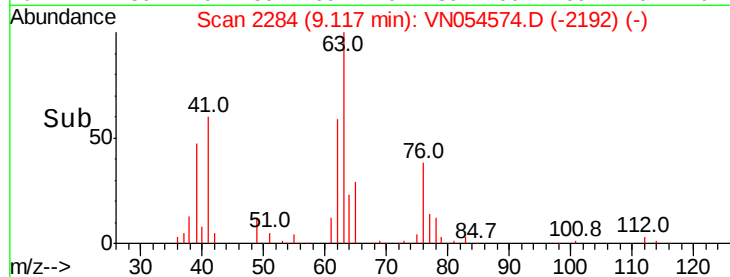
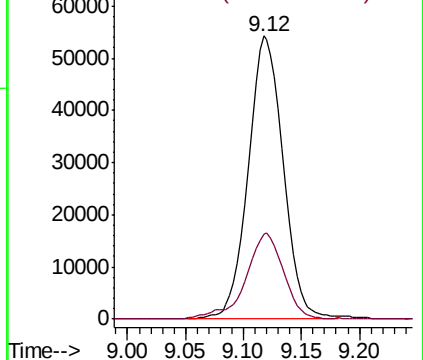
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.549 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

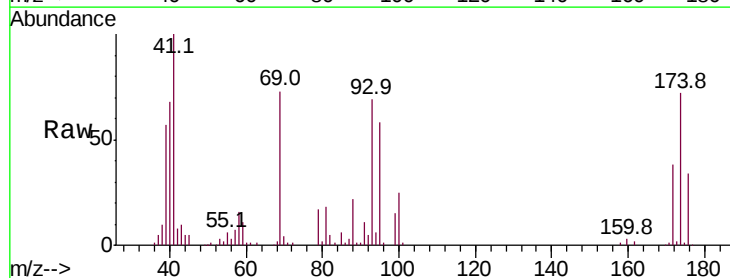
Tgt Ion: 93 Resp: 64564

Ion Ratio Lower Upper

93 100

95 85.9 66.7 100.1

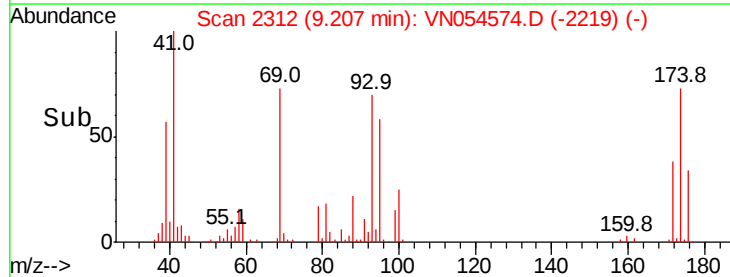
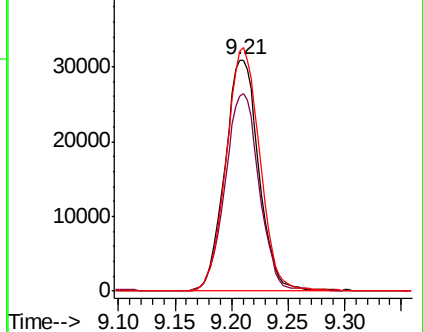
174 104.5 98.5 147.7

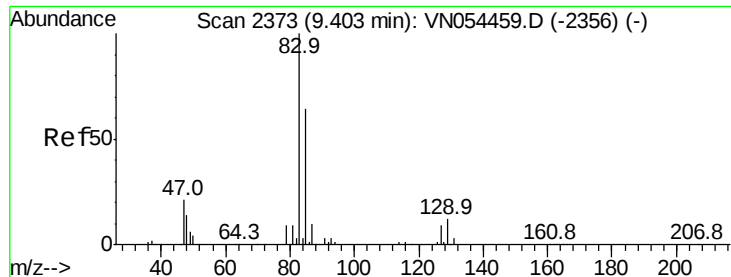


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





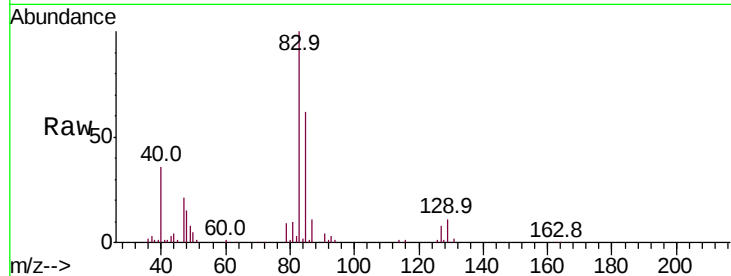
#47
Bromodichloromethane
Concen: 21.483 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

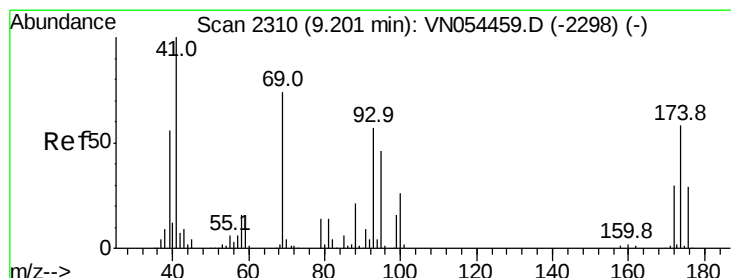
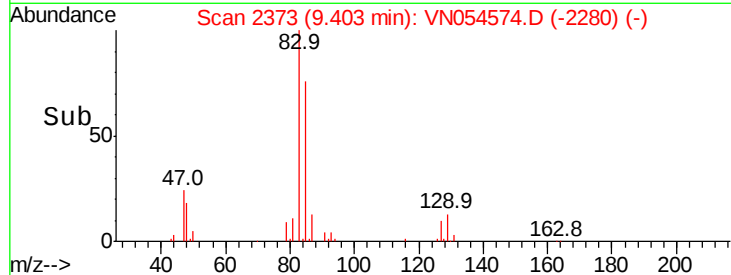
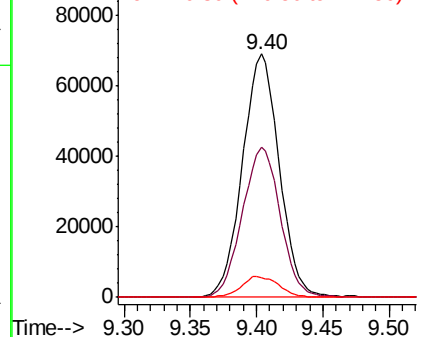
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	61.5	52.8	79.2	
127	8.1	7.4	11.2	

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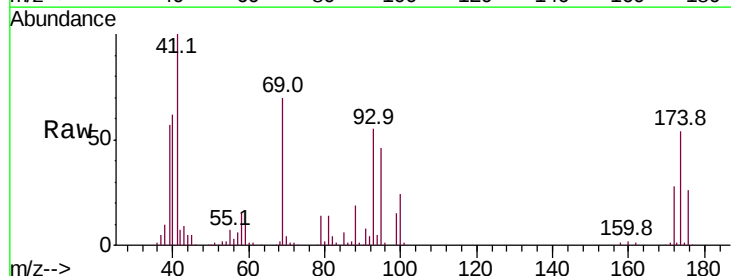


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

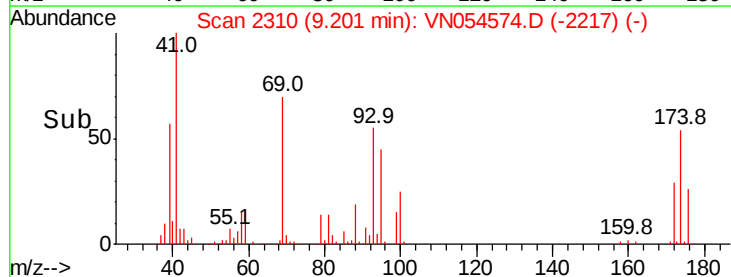
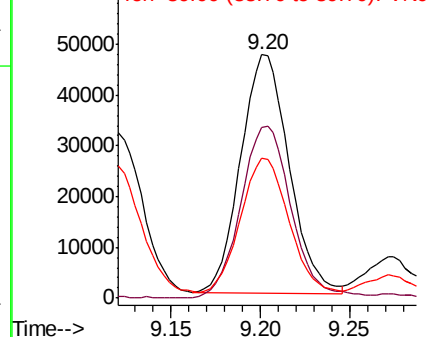


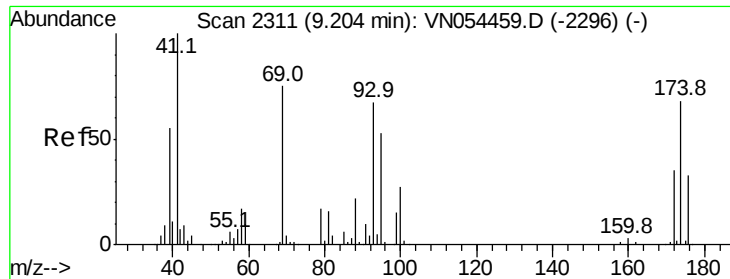
#48
Methyl methacrylate
Concen: 20.911 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	75.5	72.6	108.8	
39	60.3	47.5	71.3	



Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)





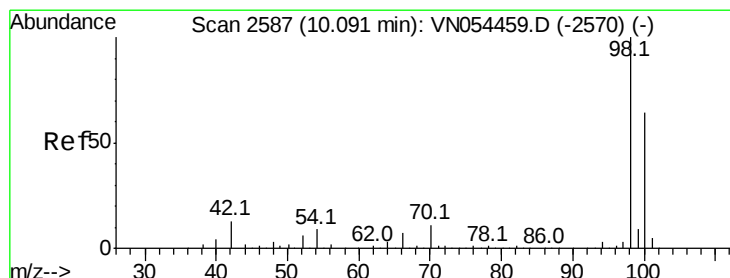
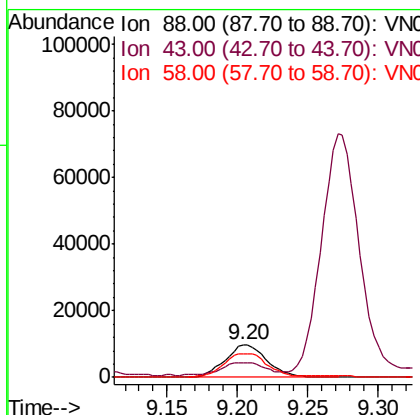
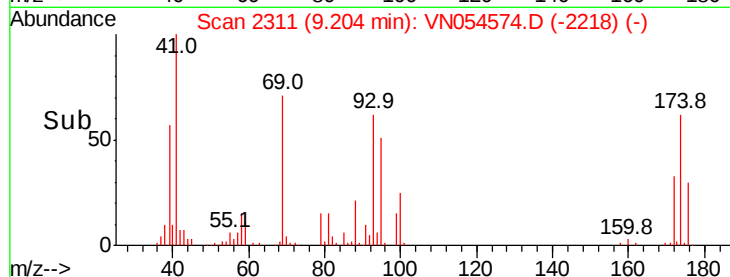
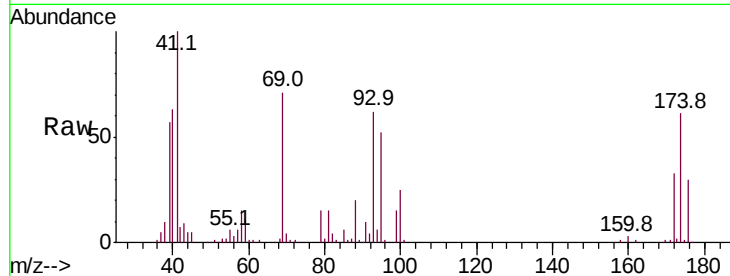
#49
1,4-Dioxane
Concen: 425.637 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	24.1	36.1#
58	77.7	50.8	76.2#

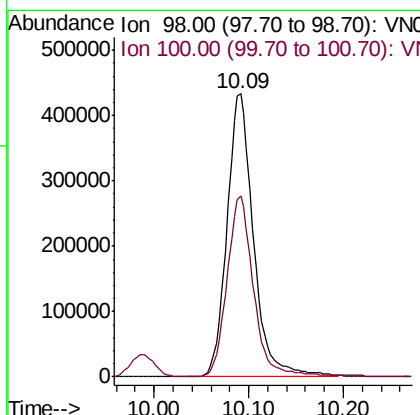
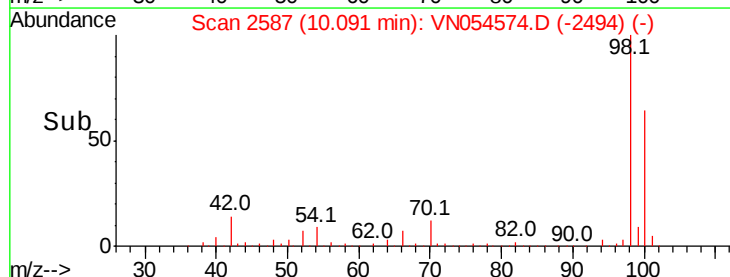
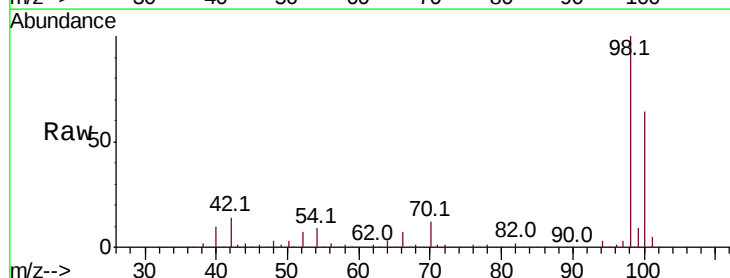
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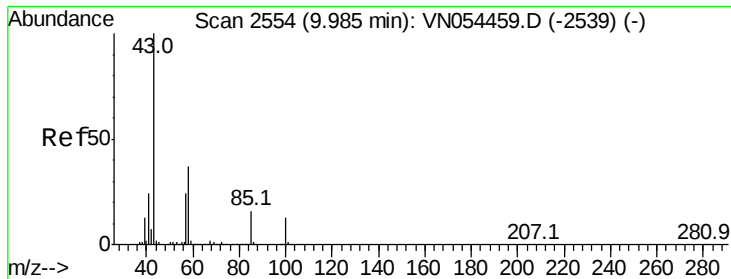
MMDadoda
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#50
Toluene-d8
Concen: 49.884 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 118.403 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 43 Resp: 515546

Ion Ratio Lower Upper

43 100

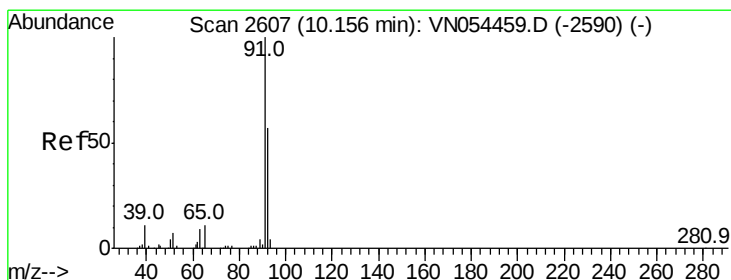
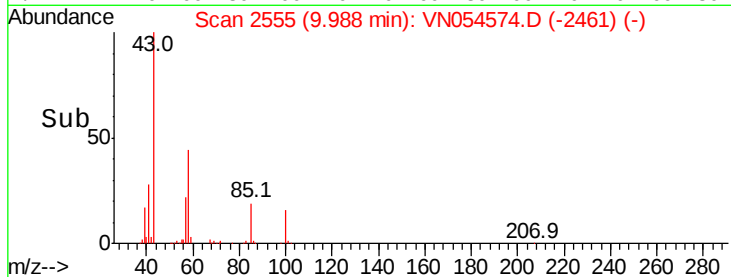
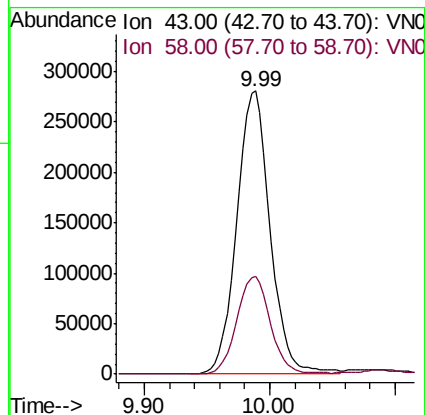
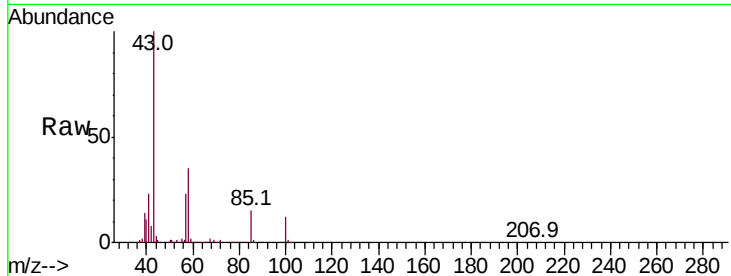
58 35.2 31.8 47.6

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#52

Toluene

Concen: 20.635 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054574.D

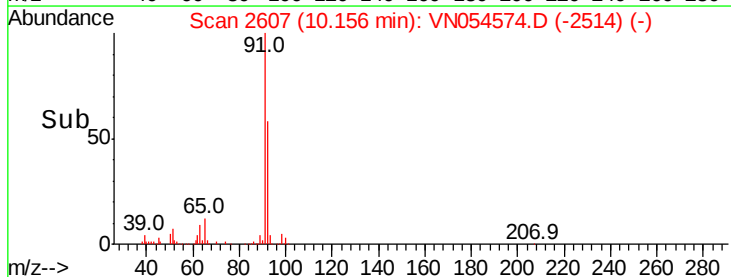
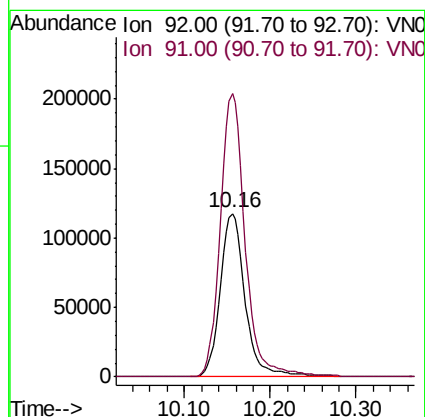
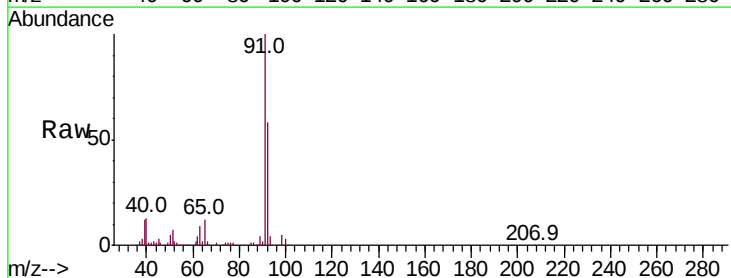
Acq: 22 Mar 2019 23:35

Tgt Ion: 92 Resp: 237381

Ion Ratio Lower Upper

92 100

91 172.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.936 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampled :

VN0322MBS02

Tot Ion: 75 Resp: 114688

Ion Ratio Lower Upper

75 100

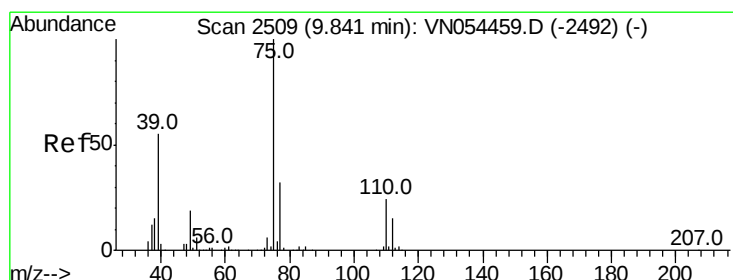
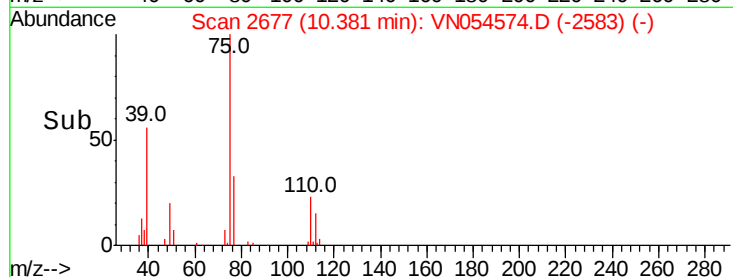
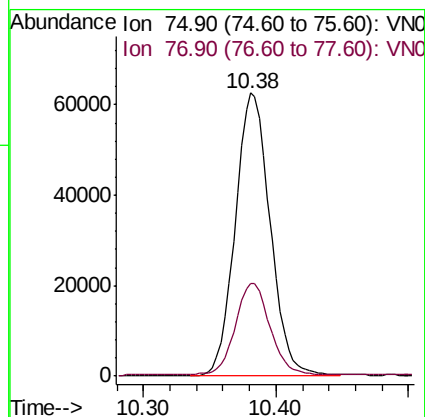
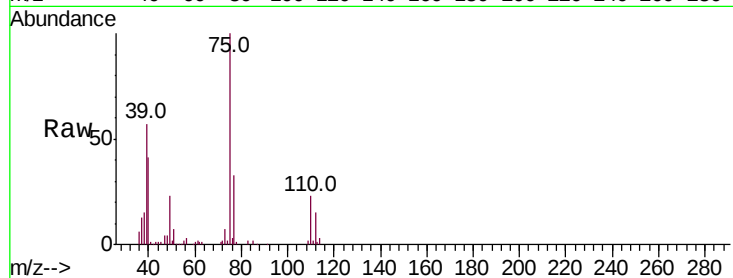
77 32.2 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.358 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

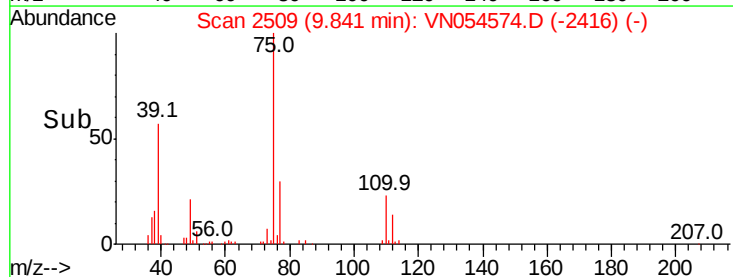
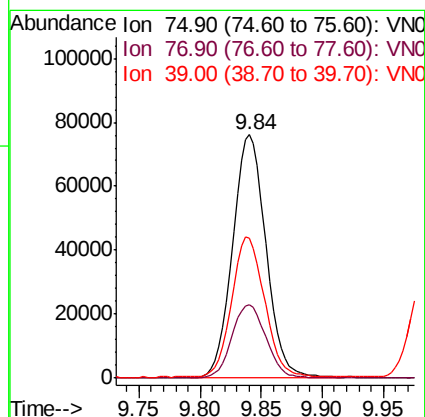
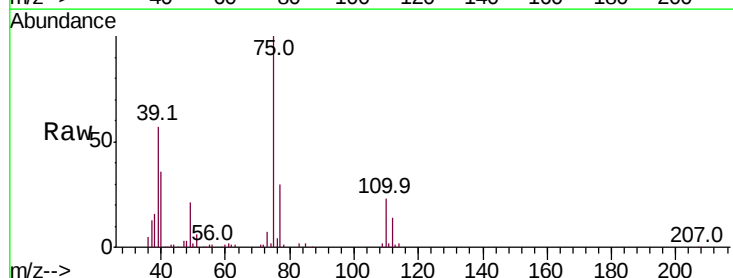
Tgt Ion: 75 Resp: 145150

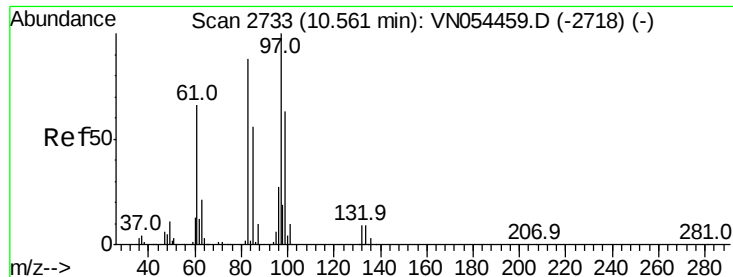
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 56.9 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.584 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

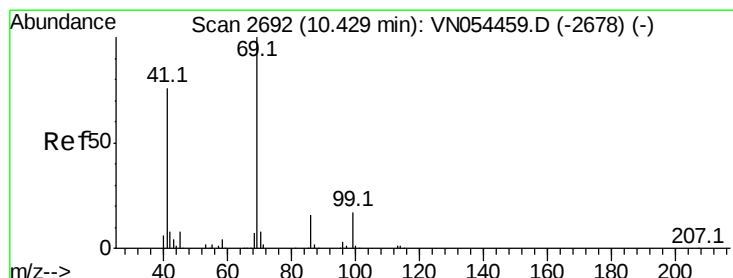
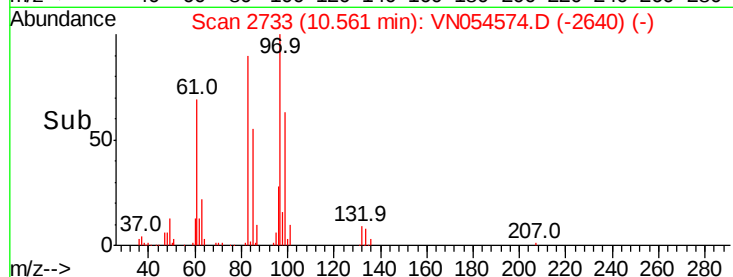
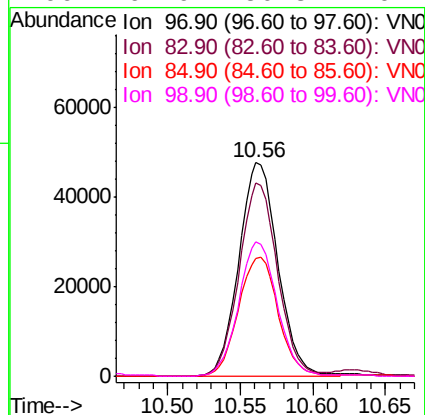
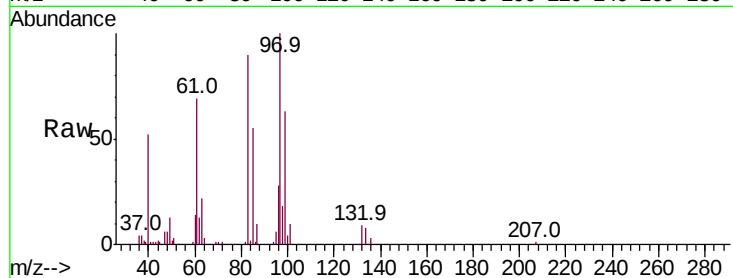
ClientSampleId :

VN0322MBS02

Tot Ion:	97	Resp:	89254
Ion	Ratio	Lower	Upper
97	100		
83	90.4	66.6	100.0
85	55.4	44.4	66.6
99	62.9	50.8	76.2

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#56

Ethyl methacrylate

Concen: 20.785 ug/l

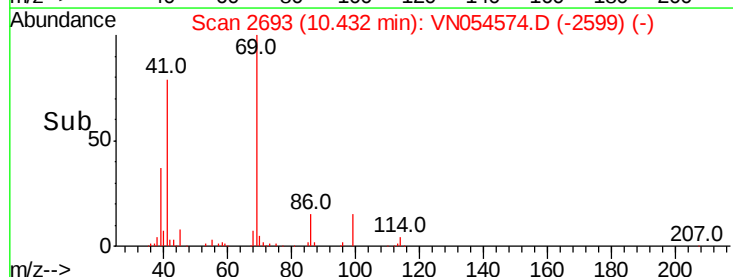
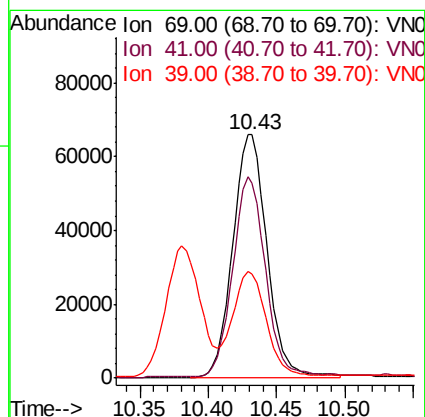
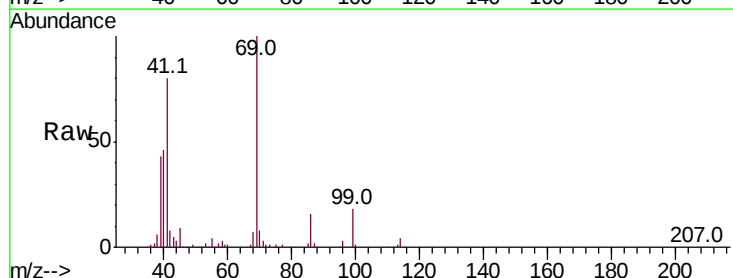
RT: 10.43 min Scan# 2693

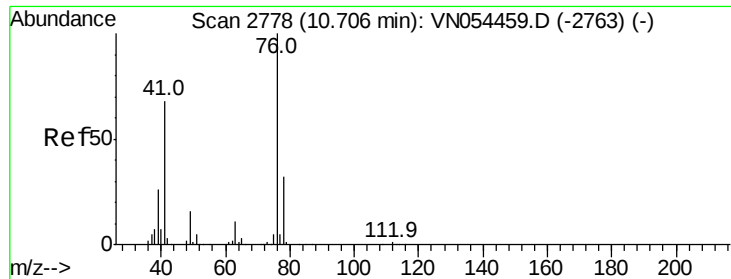
Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion:	69	Resp:	115358
Ion	Ratio	Lower	Upper
69	100		
41	78.7	49.4	74.2#
39	41.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.781 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054574.D

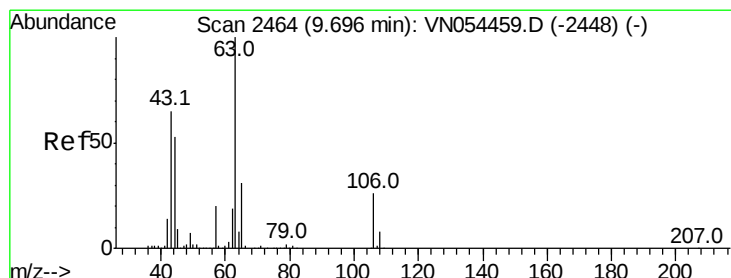
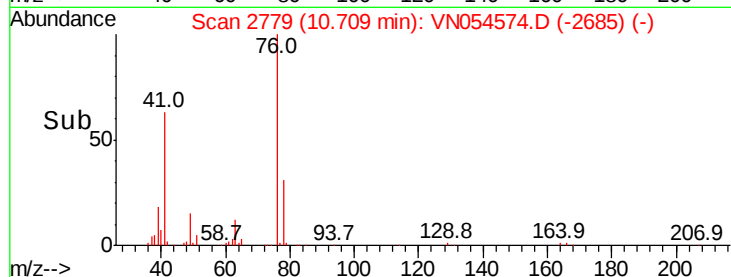
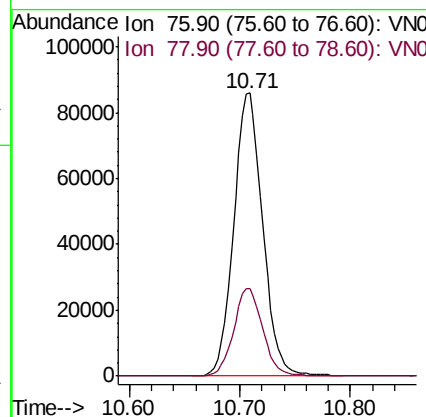
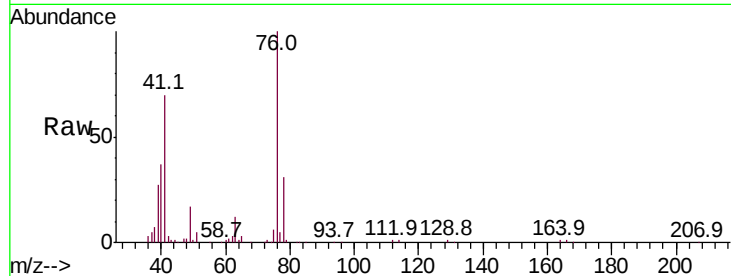
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.7	38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 95.497 ug/l

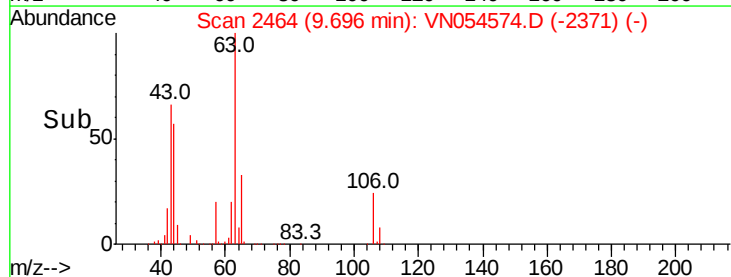
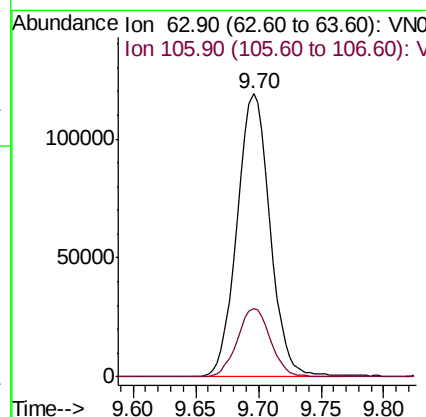
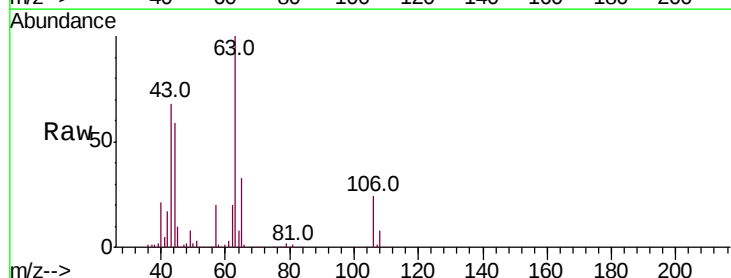
RT: 9.70 min Scan# 2464

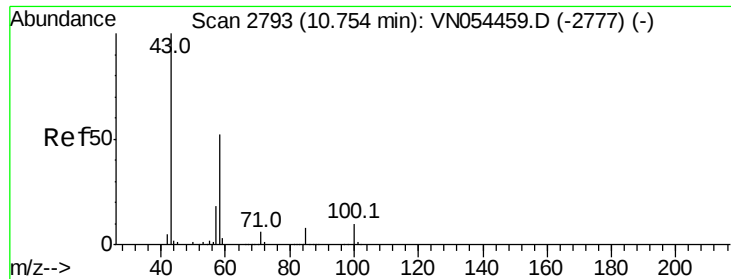
Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	24.4	36.6#





#59

2-Hexanone

Concen: 111.083 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBSD02

Tot Ion: 43 Resp: 315930

Ion Ratio Lower Upper

43 100

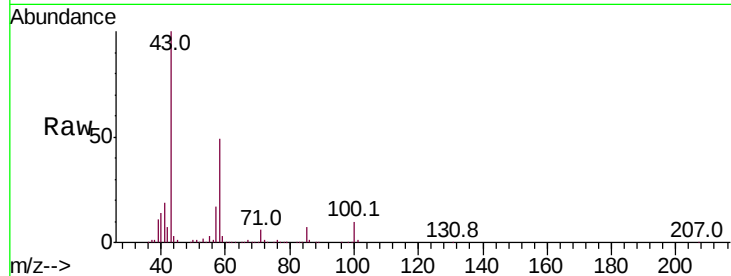
58 49.3 28.0 83.9

Manual Integrations

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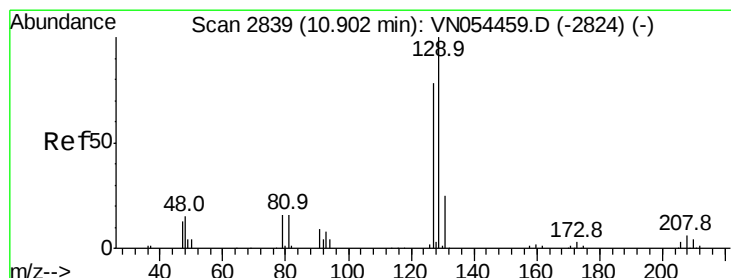
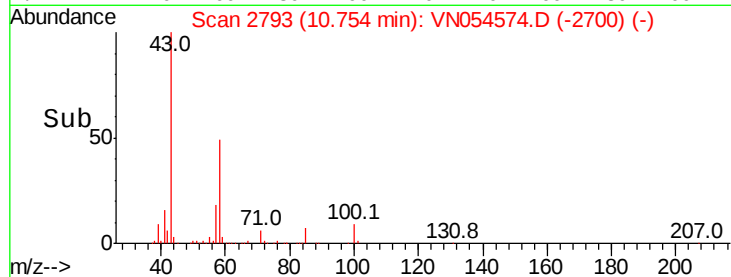
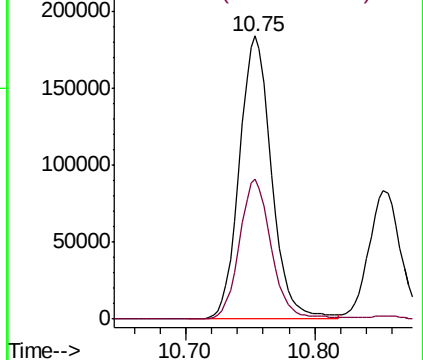
MMDadoda

3/25/2019 4:41:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 20.566 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054574.D

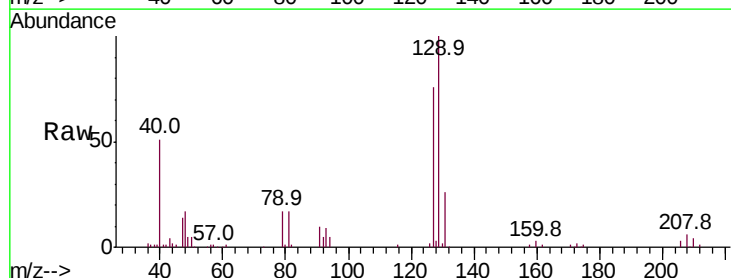
Acq: 22 Mar 2019 23:35

Tgt Ion: 129 Resp: 90492

Ion Ratio Lower Upper

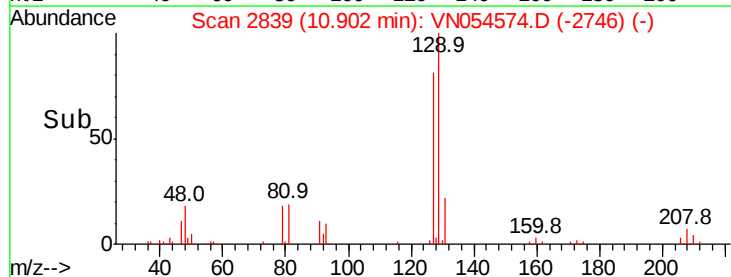
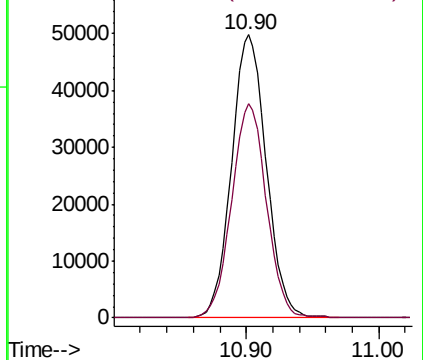
129 100

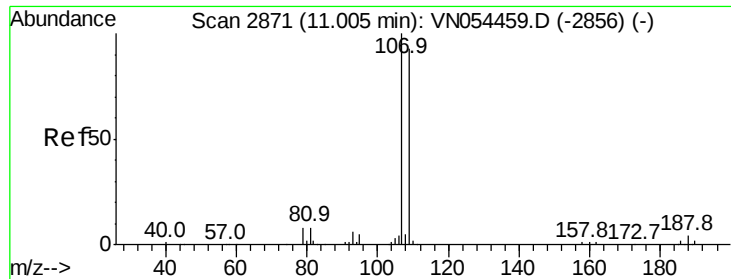
127 76.0 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.130 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:107 Resp: 86380

Ion Ratio Lower Upper

107 100

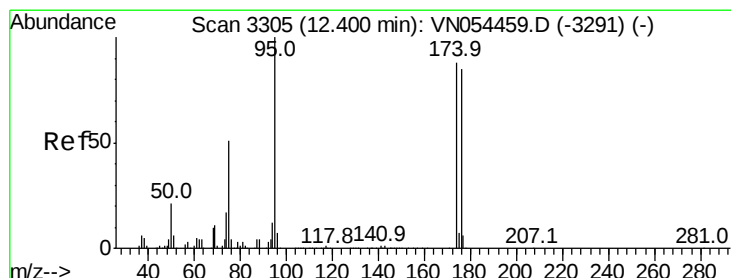
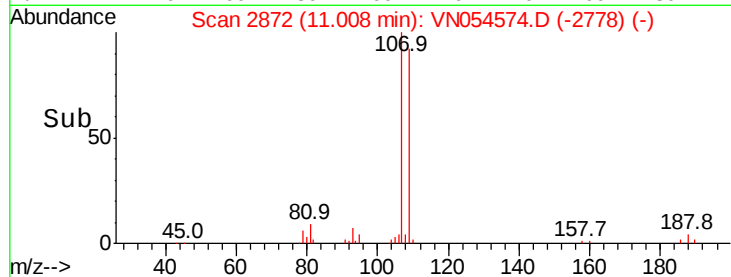
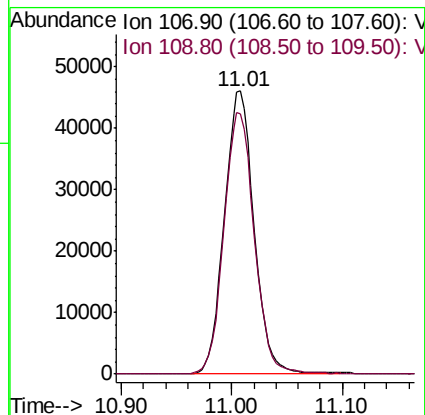
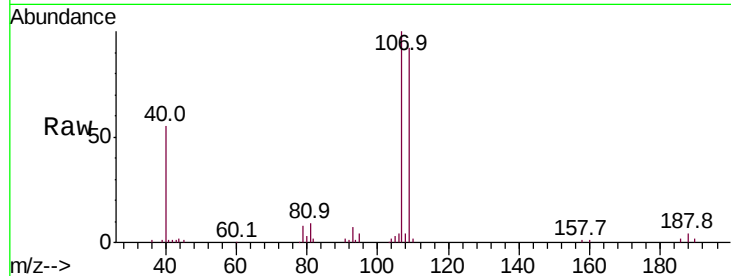
109 94.3 75.9 113.9

Manual Integrations

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3/25/2019 4:41:31 PM



#62

4-Bromofluorobenzene

Concen: 47.921 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

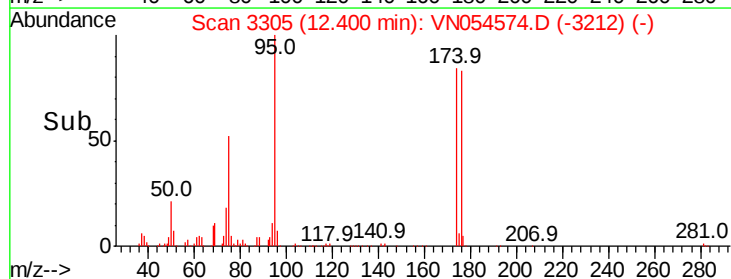
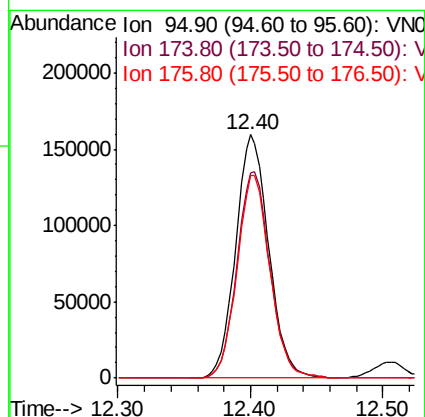
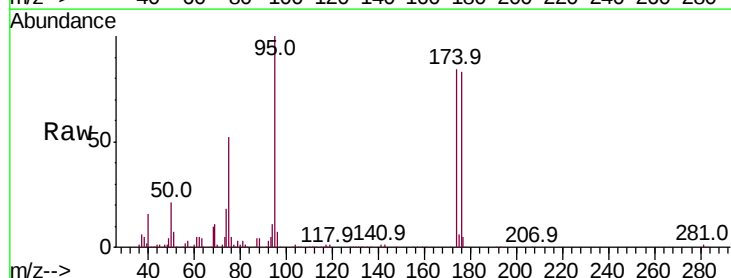
Tgt Ion: 95 Resp: 276282

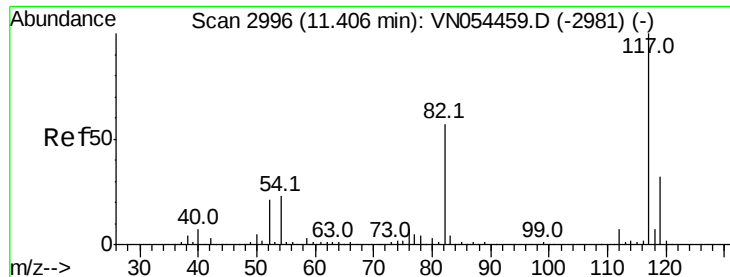
Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

176 82.9 0.0 187.4





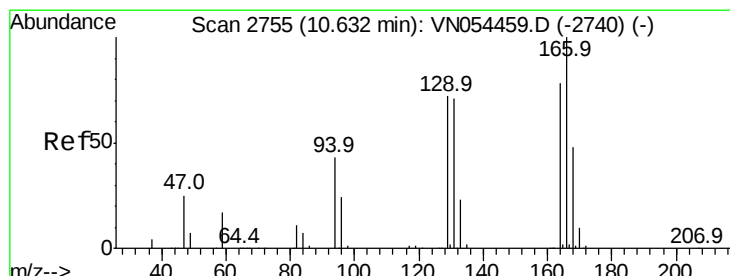
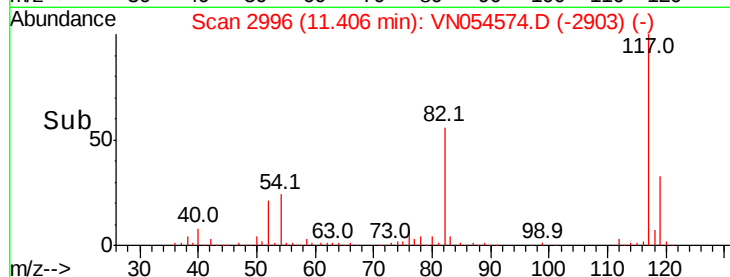
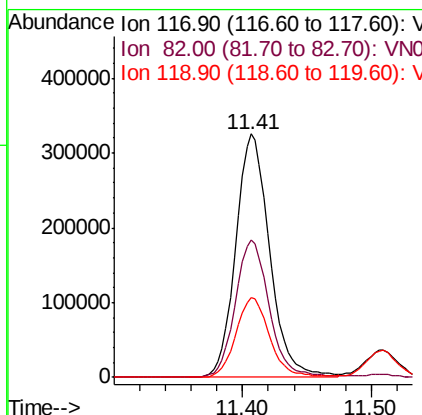
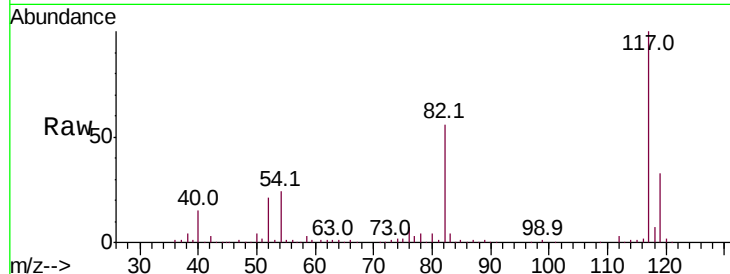
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	32.6	25.8	38.6

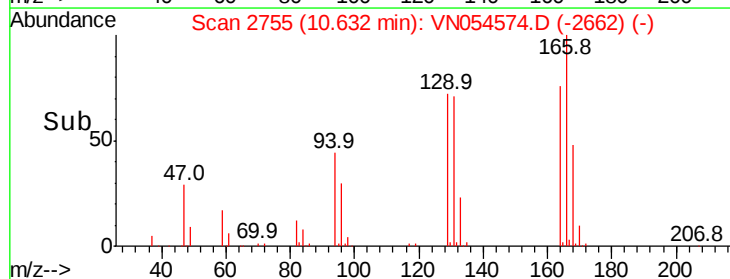
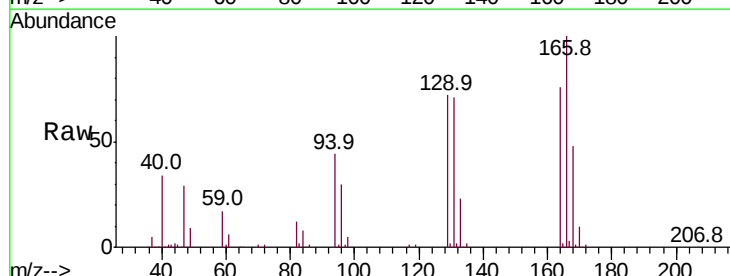
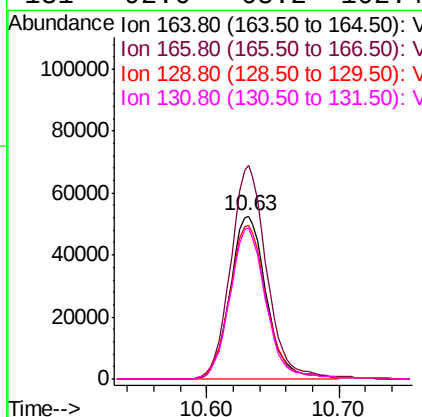
Manual Integrations
APPROVED

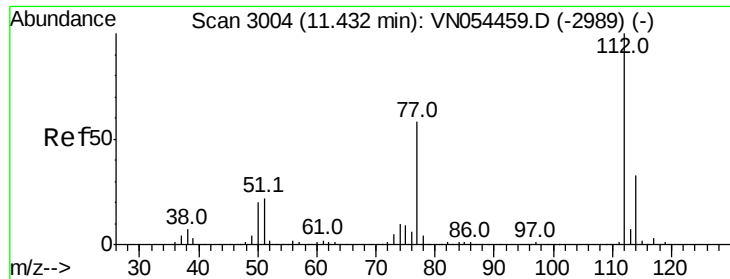
MMDadoda
3/25/2019 4:41:31 PM



#64
Tetrachloroethene
Concen: 20.328 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	103.9	155.9
129	94.4	71.1	106.7
131	92.6	68.2	102.4





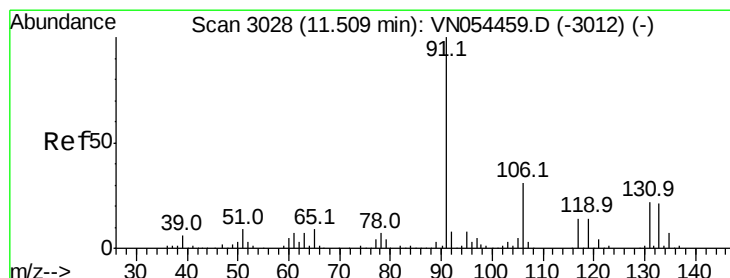
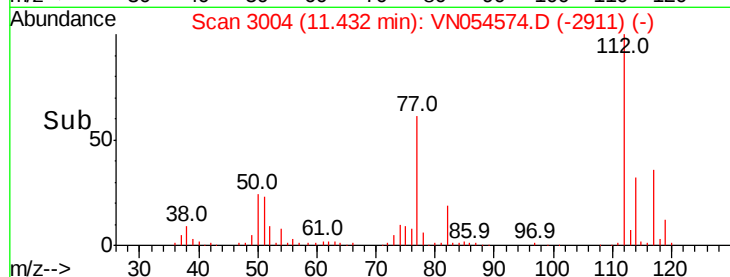
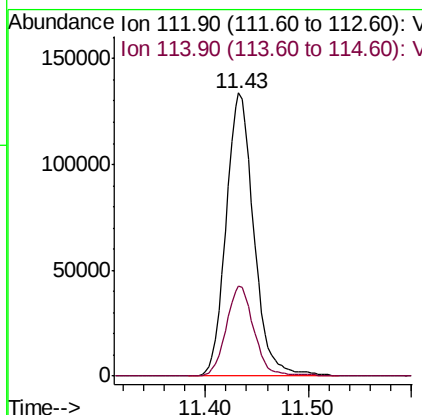
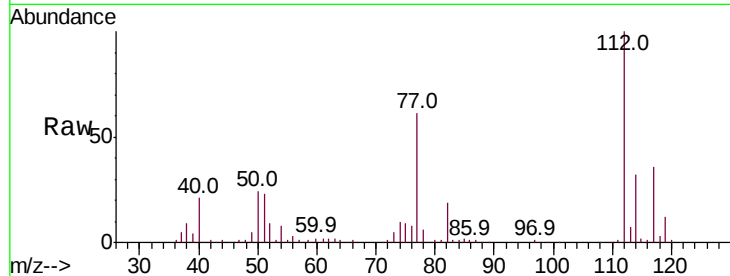
#65
Chlorobenzene
Concen: 20.788 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion:112 Resp: 251657
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

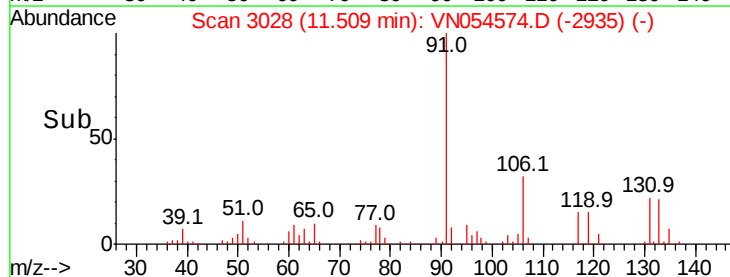
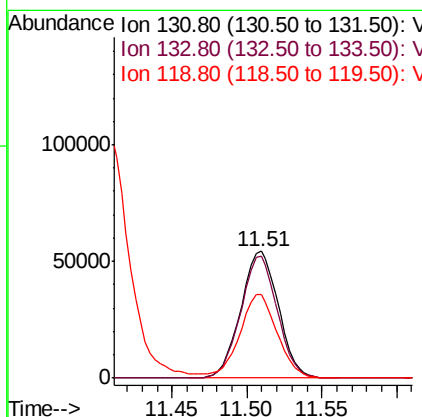
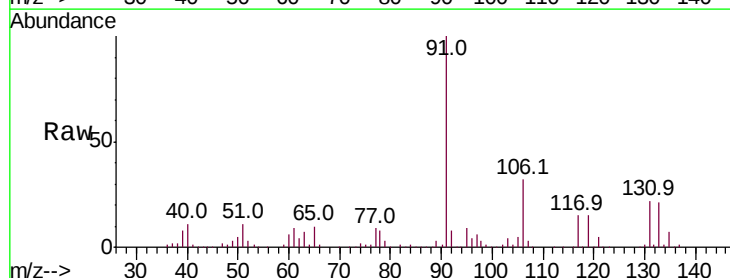
Manual Integrations
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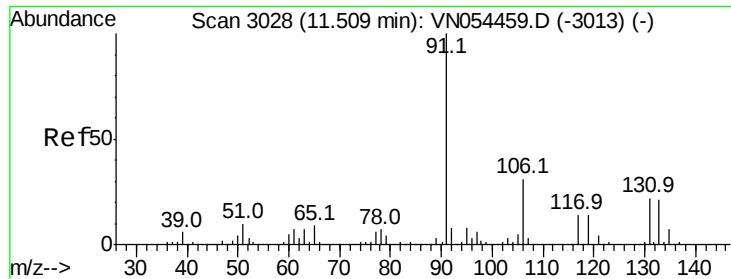
MMDadoda
3/25/2019 4:41:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.962 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion:131 Resp: 95431
Ion Ratio Lower Upper
131 100
133 93.2 47.6 142.9
119 66.0 32.4 97.0





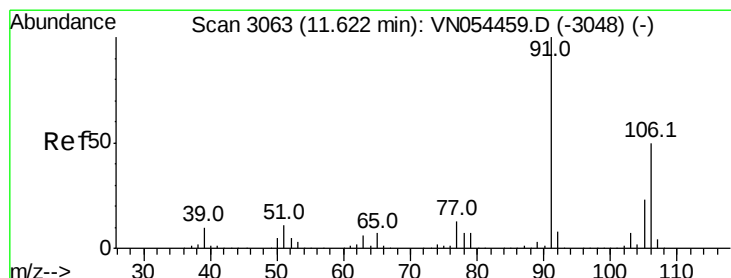
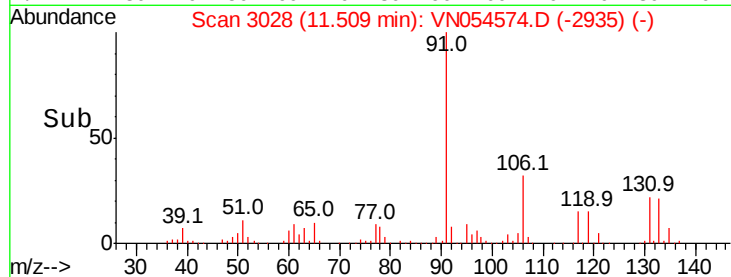
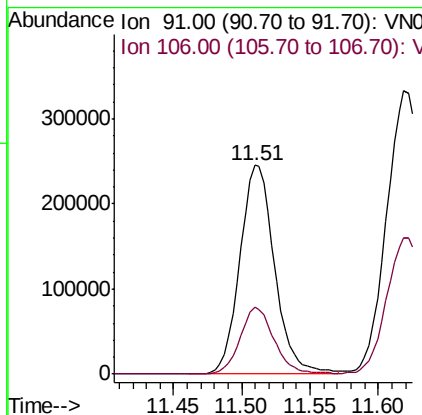
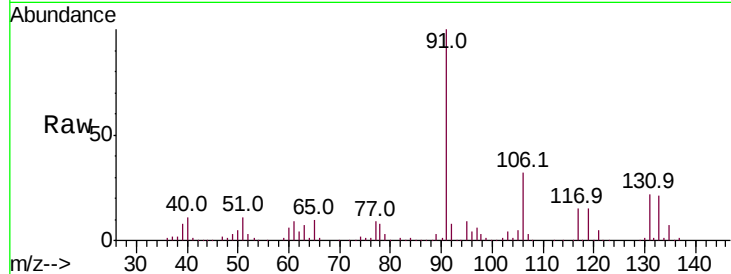
#67
Ethyl Benzene
Concen: 20.327 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBSD02

Tot Ion: 91 Resp: 434675
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

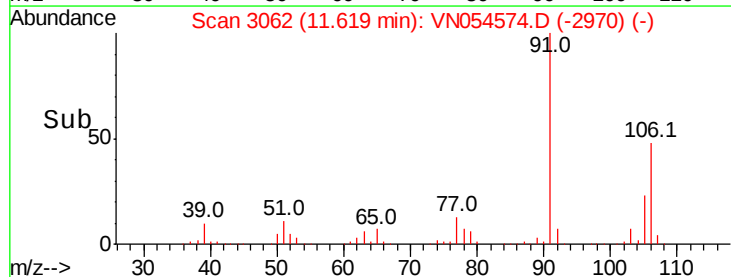
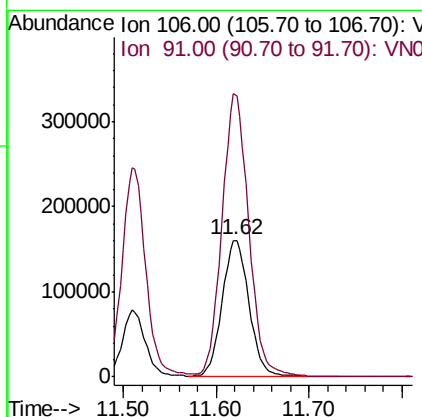
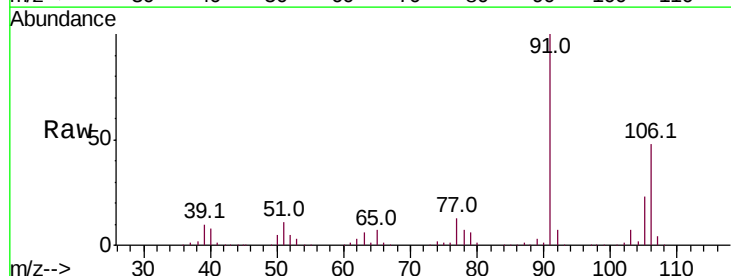
Manual Integrations
APPROVED

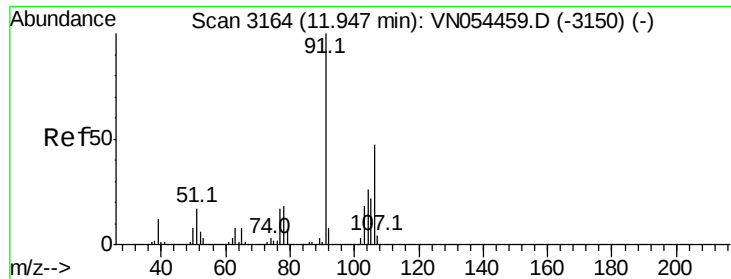
MMDadoda
3/25/2019 4:41:31 PM



#68
m/p-Xylenes
Concen: 40.200 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion: 106 Resp: 325618
Ion Ratio Lower Upper
106 100
91 205.3 159.4 239.2





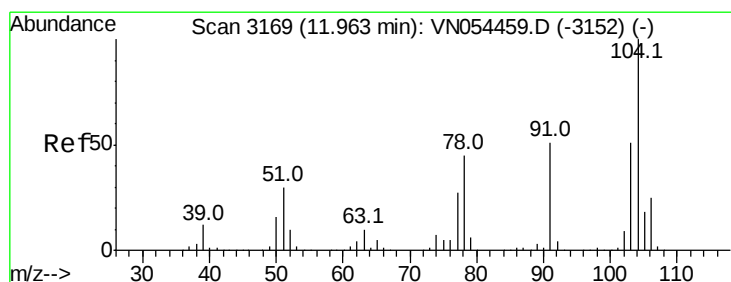
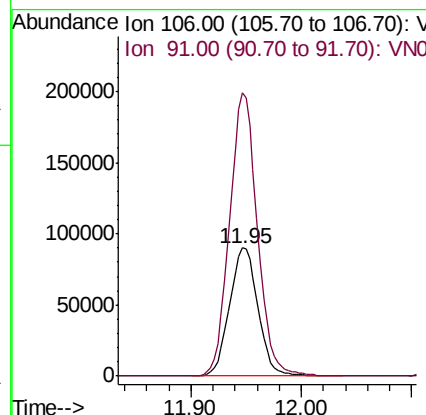
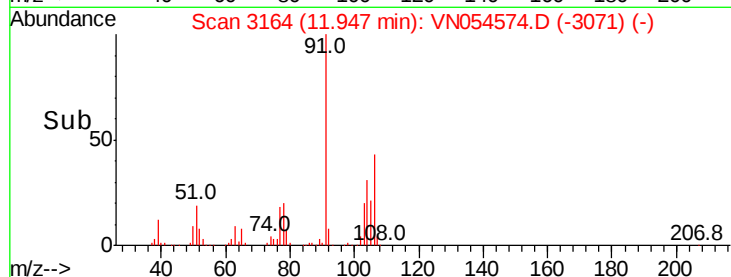
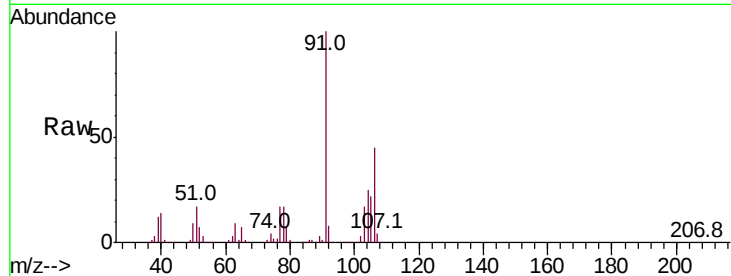
#69
o-Xylene
Concen: 20.470 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion:106 Resp: 161927
Ion Ratio Lower Upper
106 100
91 215.1 105.7 317.1

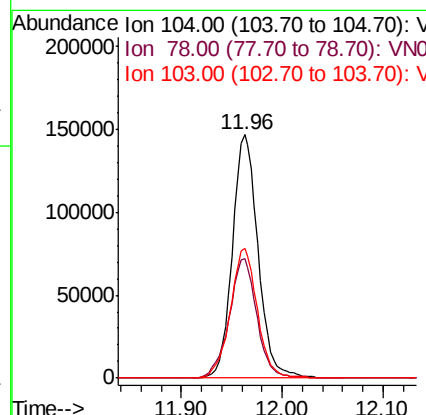
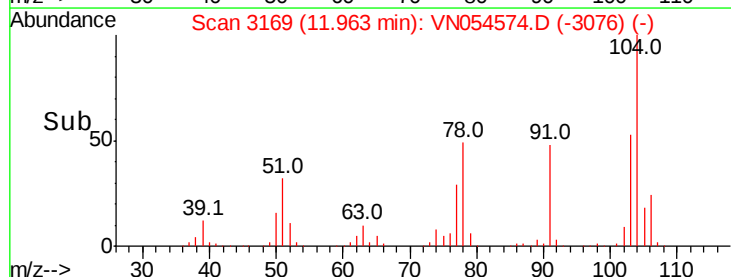
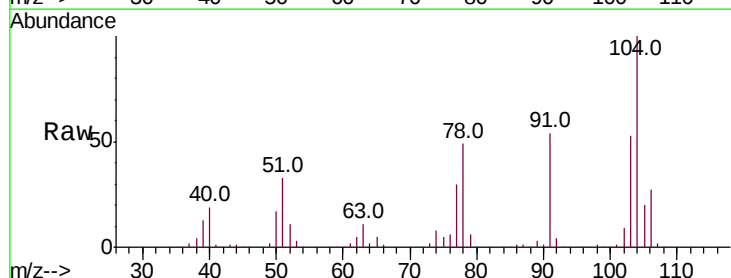
Manual Integrations
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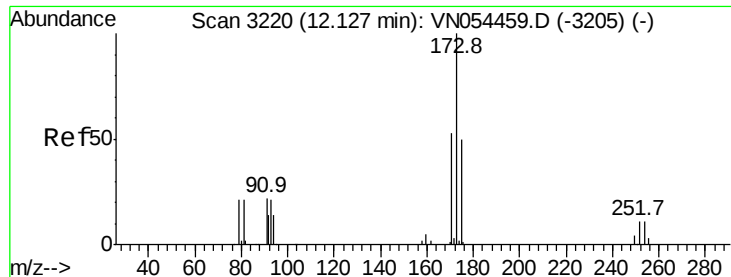
MMDadoda
3/25/2019 4:41:31 PM



#70
Styrene
Concen: 20.320 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion:104 Resp: 261029
Ion Ratio Lower Upper
104 100
78 52.7 38.2 57.2
103 56.2 44.4 66.6





#71

Bromoform

Concen: 19.428 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:173 Resp: 53945

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

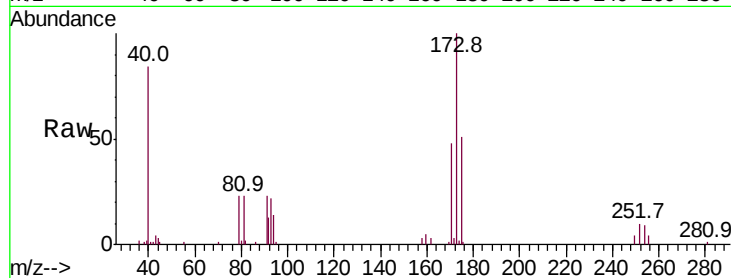
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

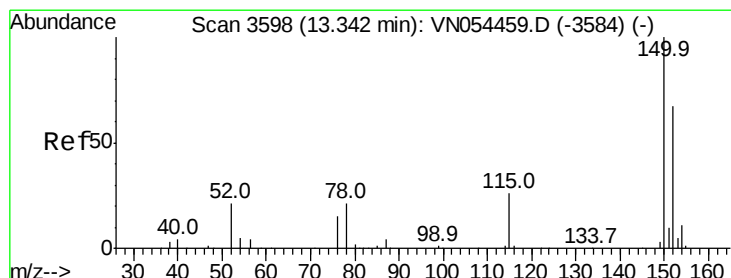
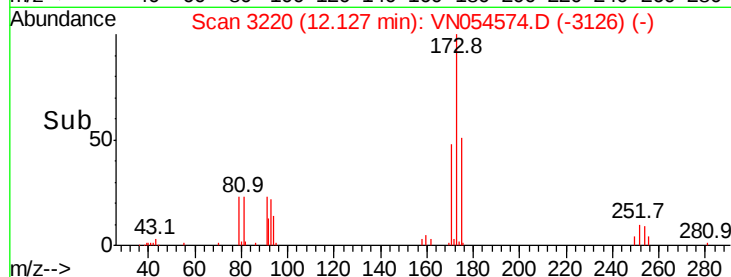
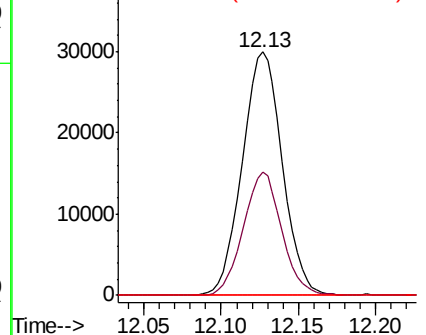
3/25/2019 4:41:31 PM



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: VN054574.D

Acq: 22 Mar 2019 23:35

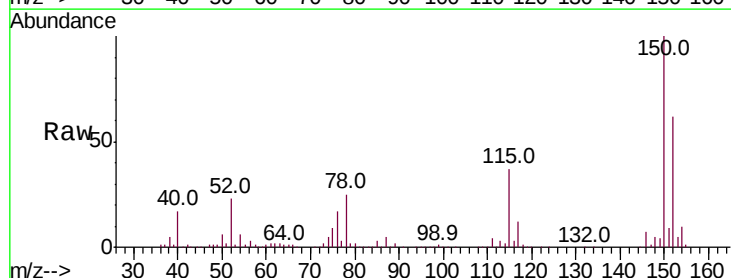
Tgt Ion:152 Resp: 244024

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

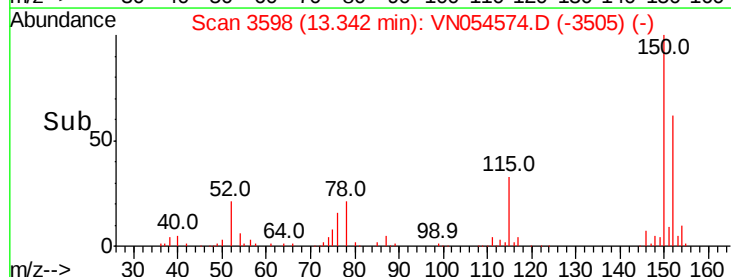
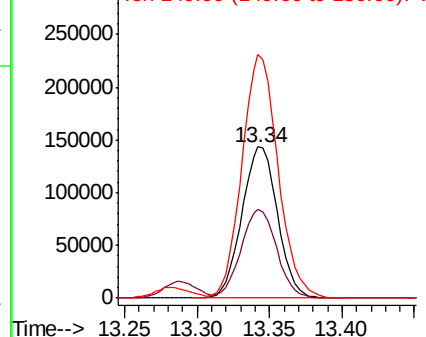
150 163.9 0.0 349.2

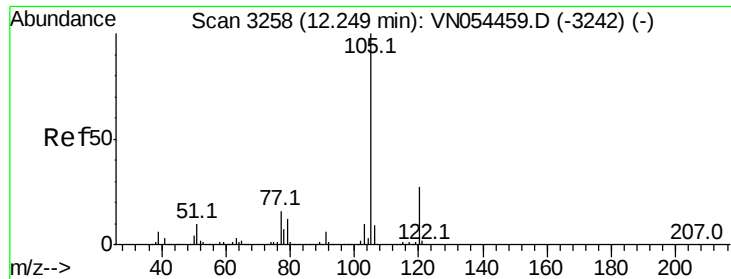


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.322 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:105 Resp: 419267

Ion Ratio Lower Upper

105 100

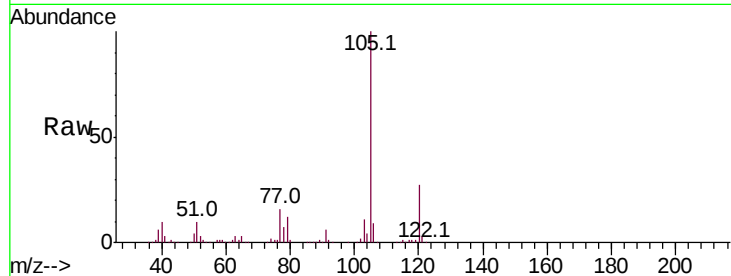
120 26.6 13.8 41.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

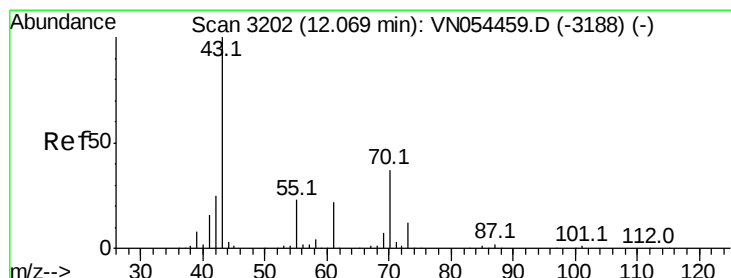
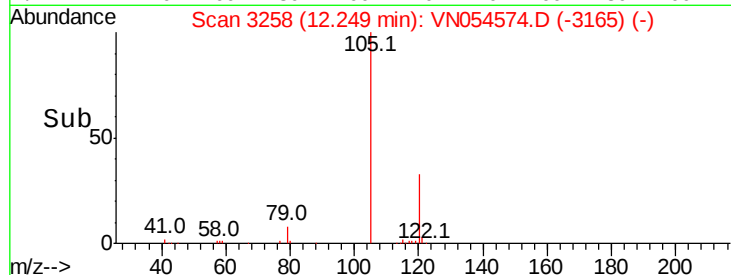
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 23.702 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion: 43 Resp: 134012

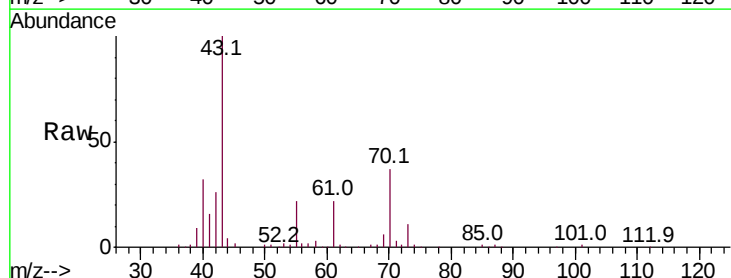
Ion Ratio Lower Upper

43 100

70 36.9 35.4 53.0

55 23.7 19.8 29.6

61 22.5 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

12.07

120000

100000

80000

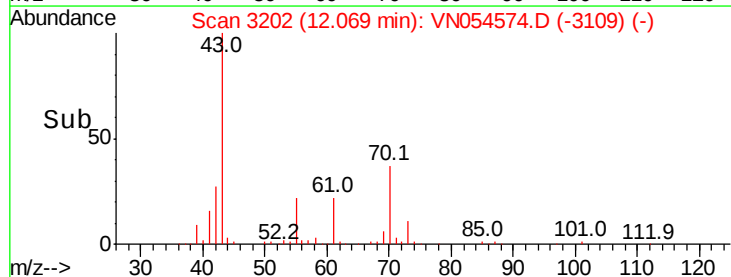
60000

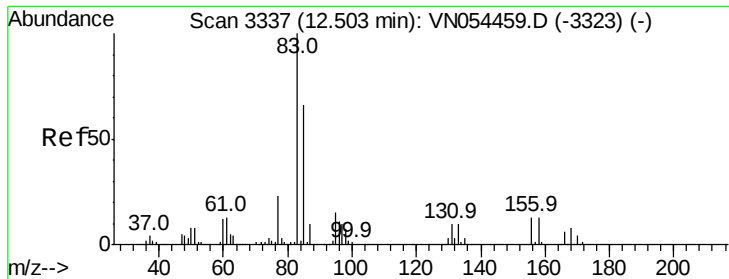
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.410 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 83 Resp: 109572
Ion Ratio Lower Upper

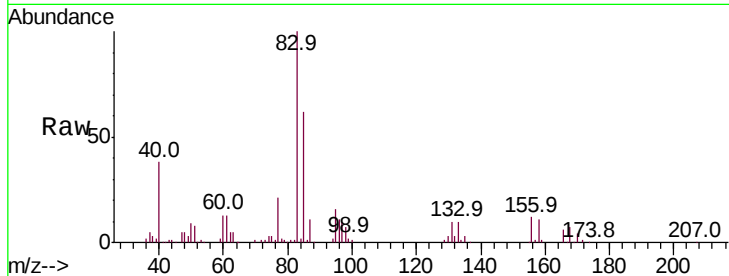
83 100

131 10.5 5.8 17.4

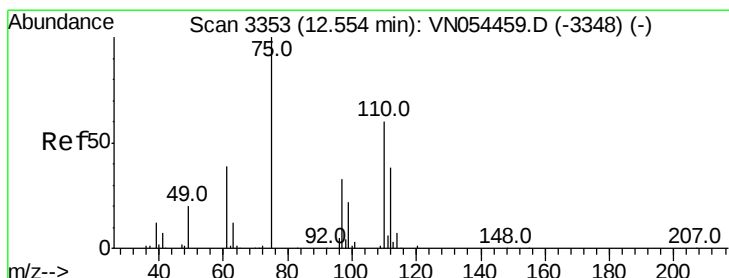
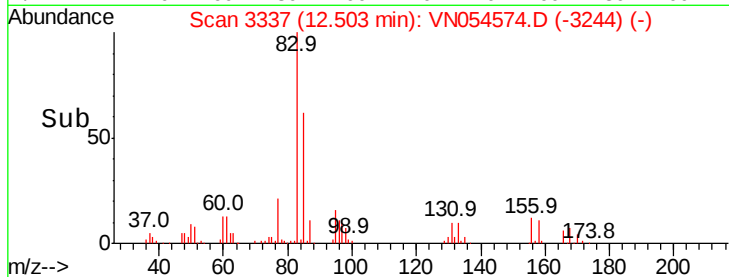
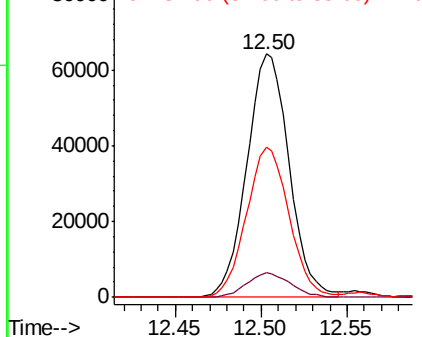
85 62.1 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 24.787 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

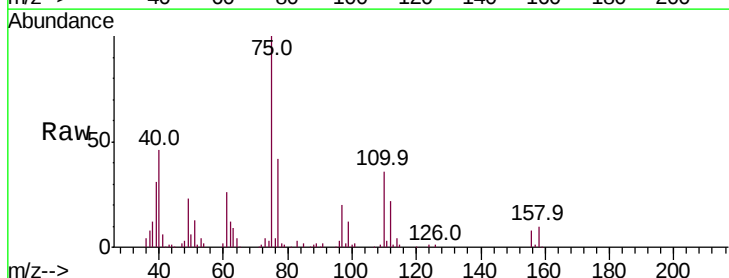
Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

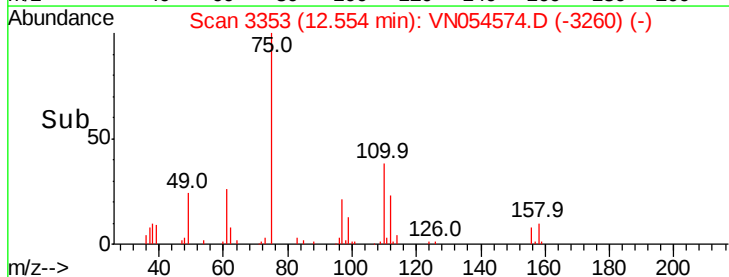
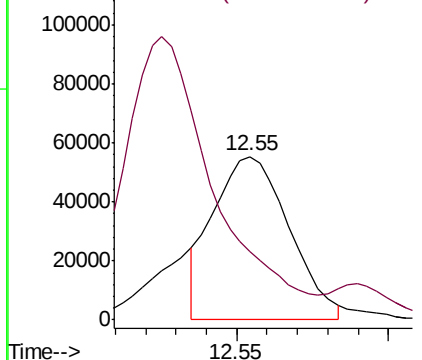
Tgt Ion: 75 Resp: 95983
Ion Ratio Lower Upper

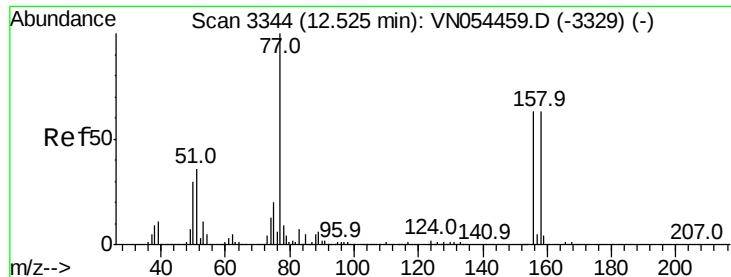
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.199 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:156 Resp: 103388

Ion Ratio Lower Upper

156 100

77 193.4 81.5 244.4

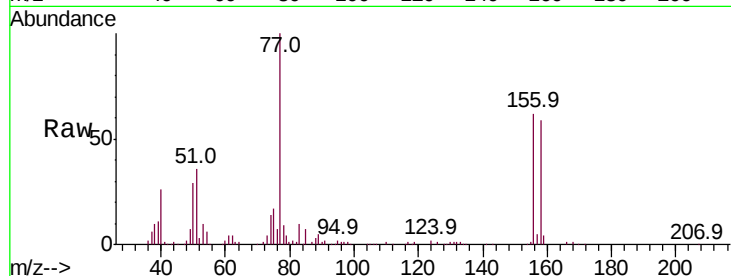
158 98.6 49.0 147.2

Manual Integrations

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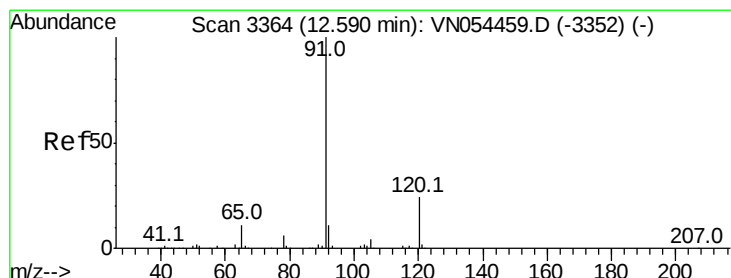
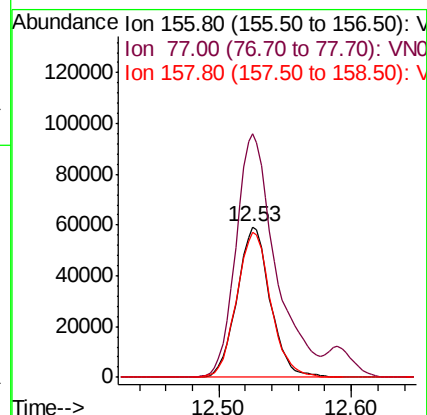
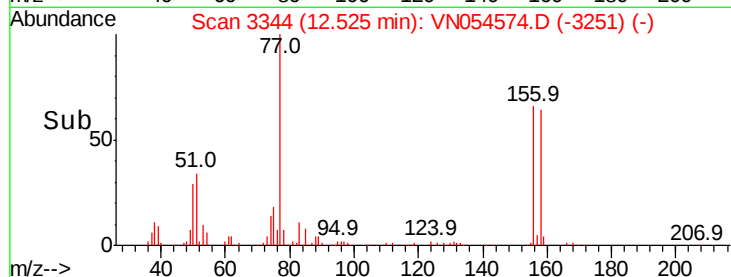
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.492 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054574.D

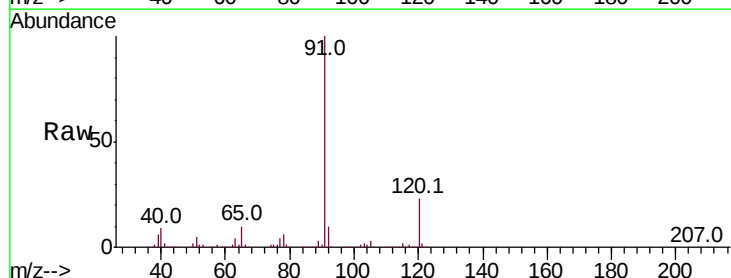
Acq: 22 Mar 2019 23:35

Tgt Ion: 91 Resp: 458263

Ion Ratio Lower Upper

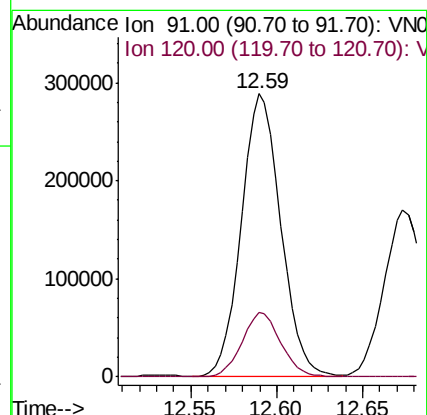
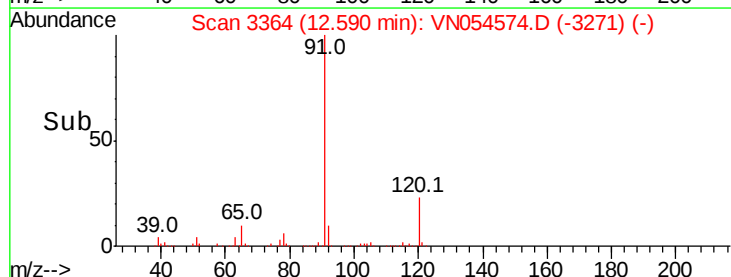
91 100

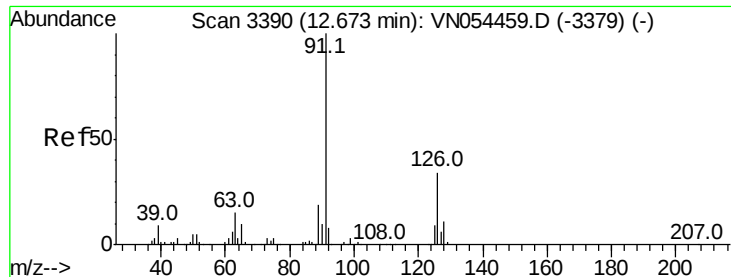
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.344 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampled :

VN0322MBSD02

Tot Ion: 91 Resp: 283806

Ion Ratio Lower Upper

91 100

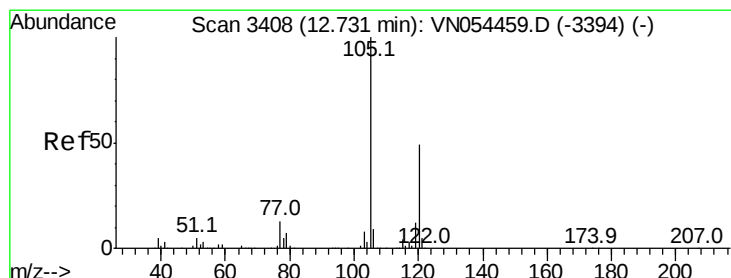
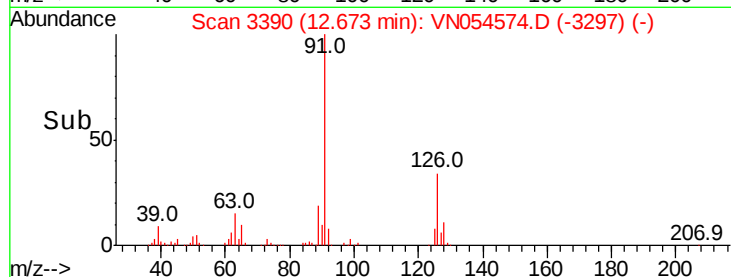
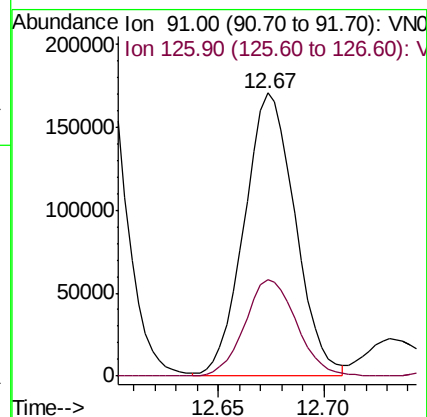
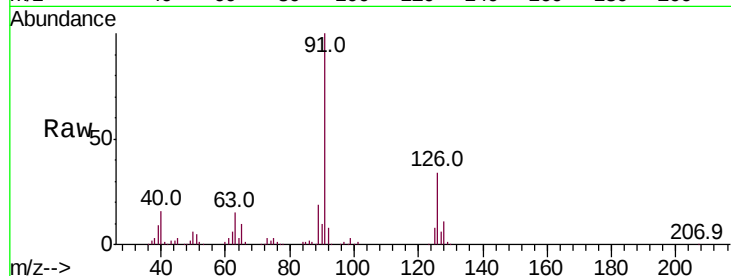
126 35.1 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.337 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054574.D

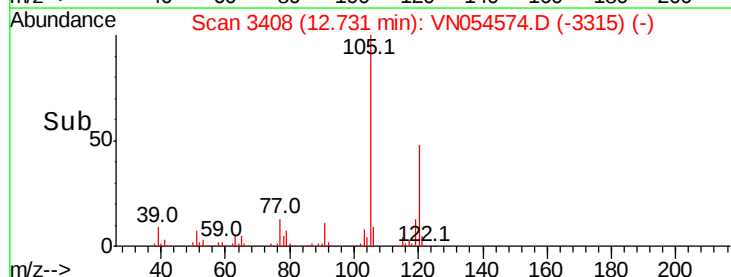
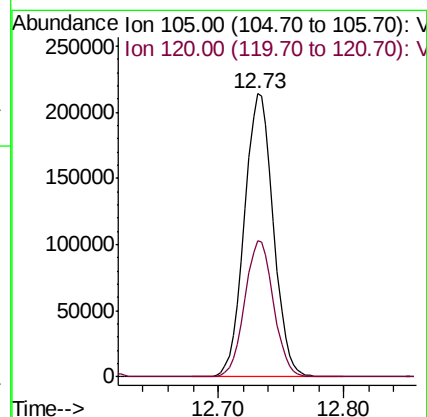
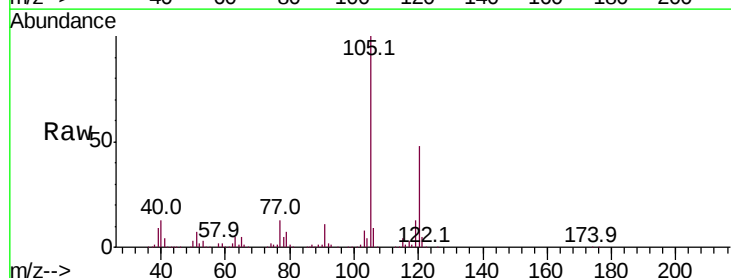
Acq: 22 Mar 2019 23:35

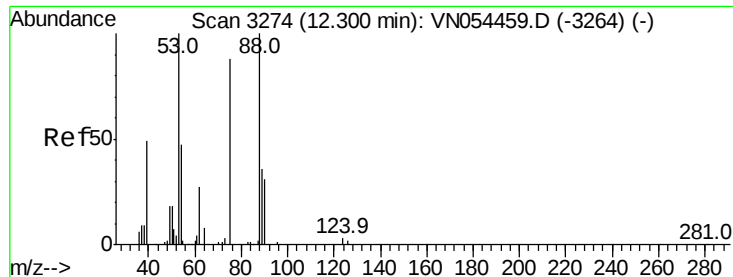
Tgt Ion: 105 Resp: 343868

Ion Ratio Lower Upper

105 100

120 47.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.417 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 75 Resp: 19484

Ion Ratio Lower Upper

75 100

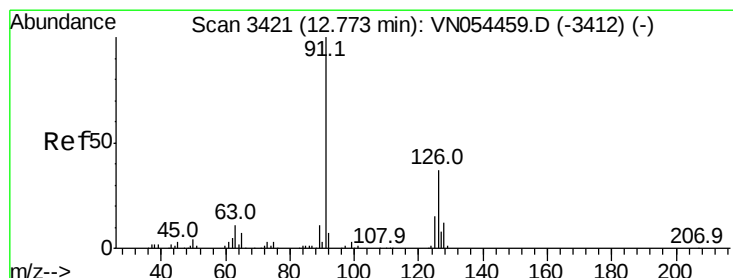
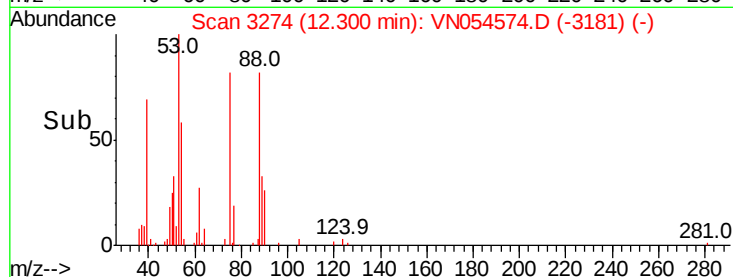
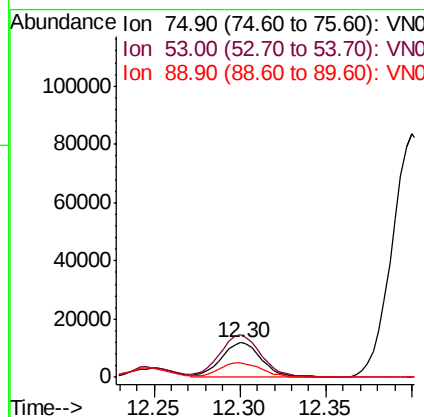
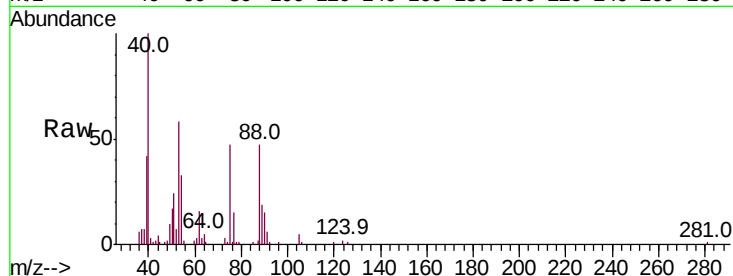
53 128.3 76.2 114.2#

89 44.2 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.151 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054574.D

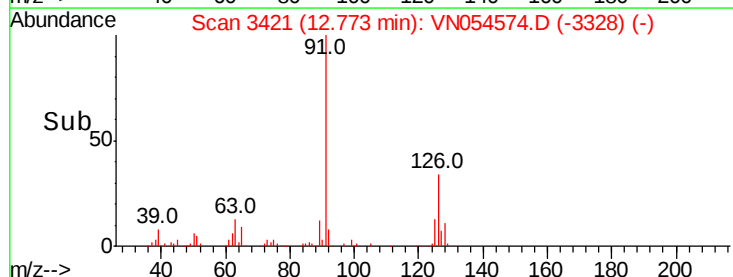
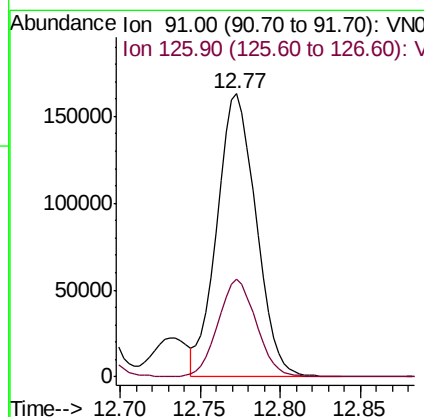
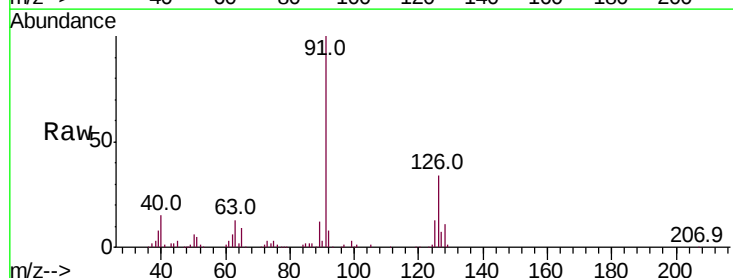
Acq: 22 Mar 2019 23:35

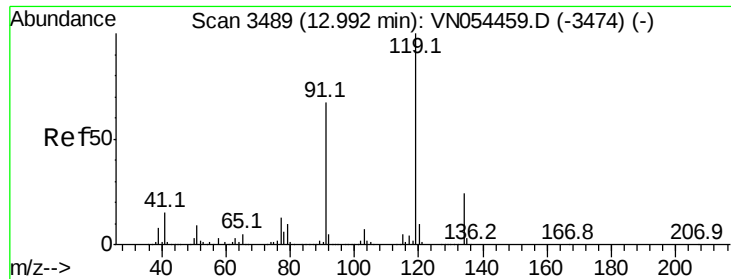
Tgt Ion: 91 Resp: 272616

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1





#83

tert-Butylbenzene

Concen: 21.360 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

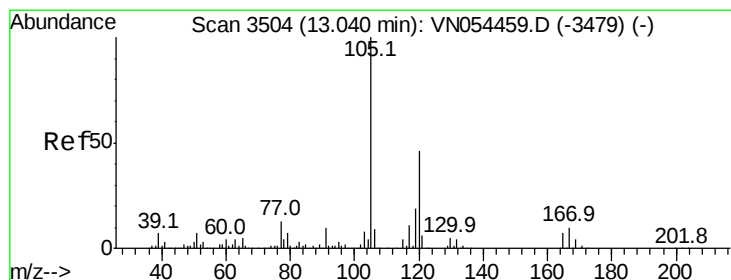
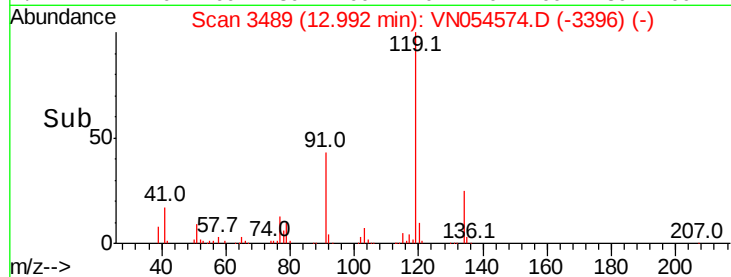
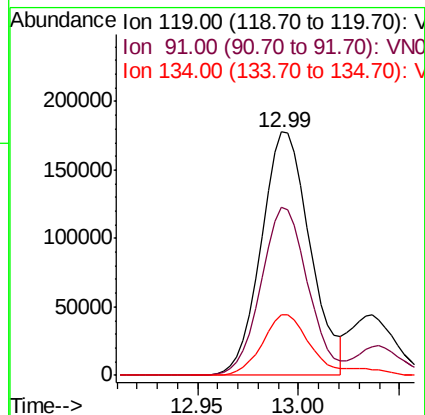
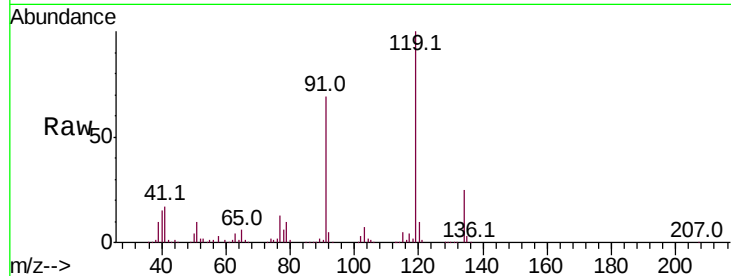
ClientSampleId :

VN0322MBSD02

Tot Ion:	119	Resp:	299650
Ion Ratio	Lower	Upper	
119	100		
91	66.1	30.9	92.8
134	26.1	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.002 ug/l

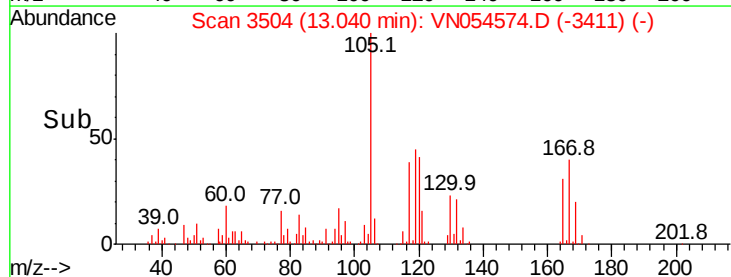
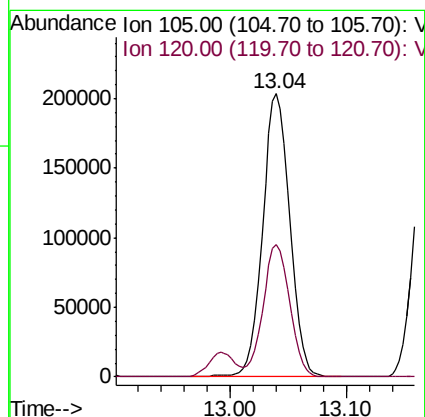
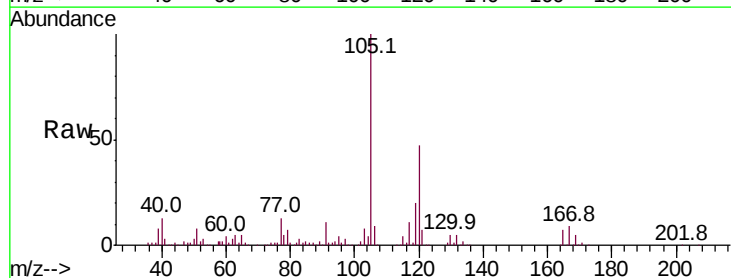
RT: 13.04 min Scan# 3504

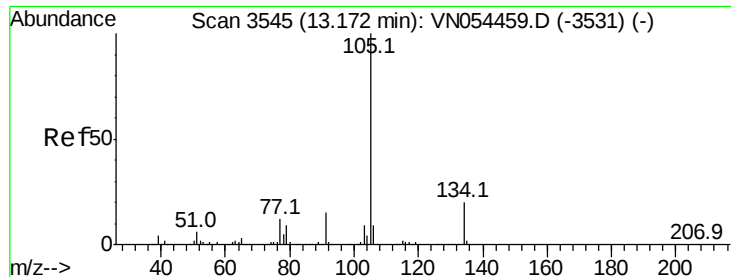
Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion:	105	Resp:	332115
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.153 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion:105 Resp: 369908

Ion Ratio Lower Upper

105 100

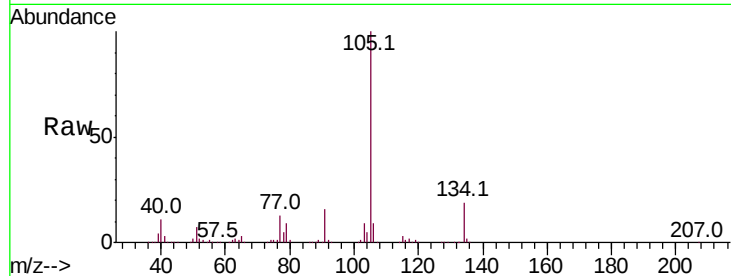
134 19.8 10.7 32.1

Manual Integrations

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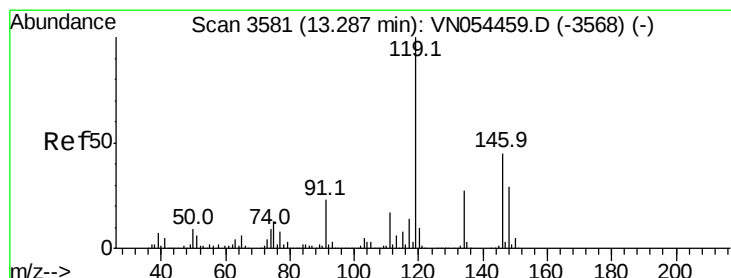
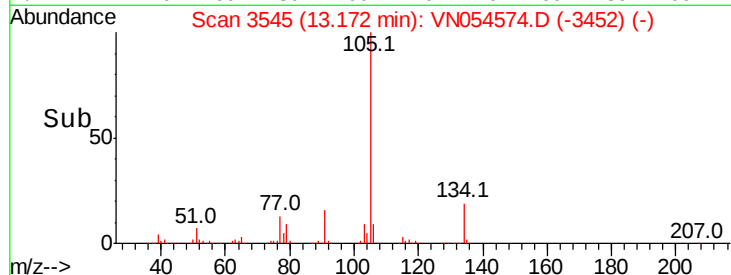
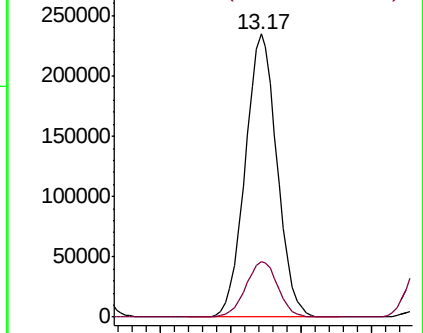
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.689 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

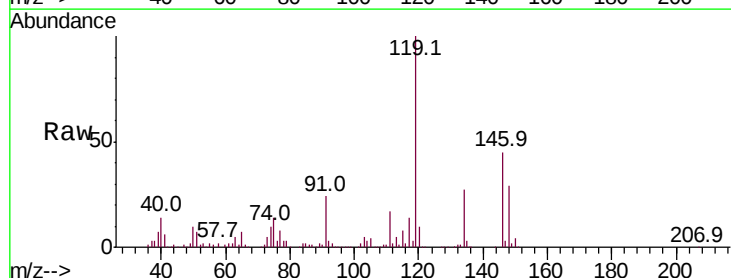
Tgt Ion:119 Resp: 323684

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

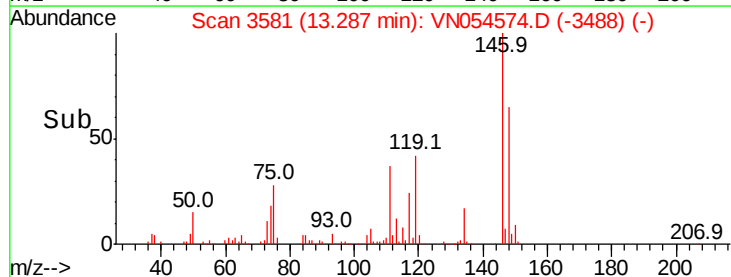
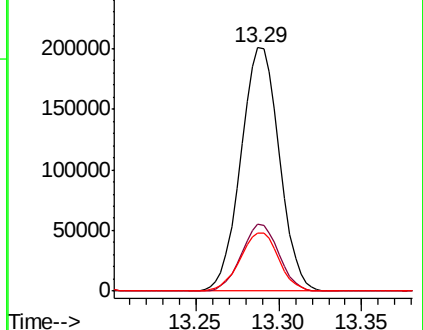
91 24.2 11.1 33.3

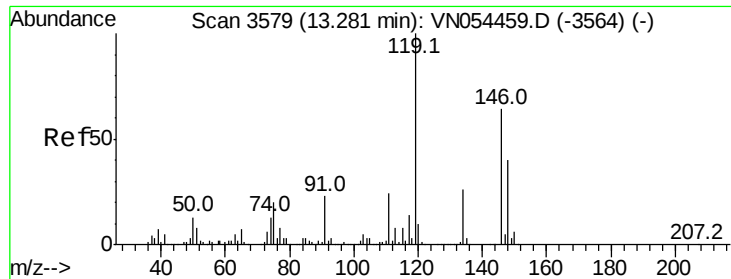


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.171 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054574.D

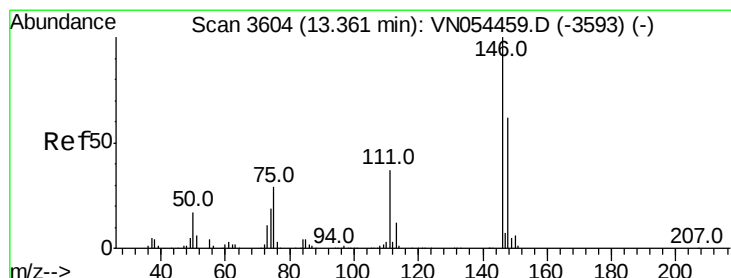
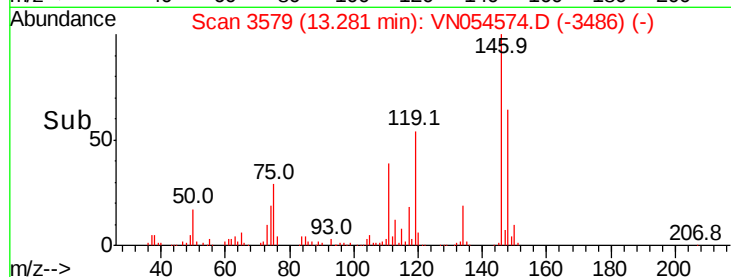
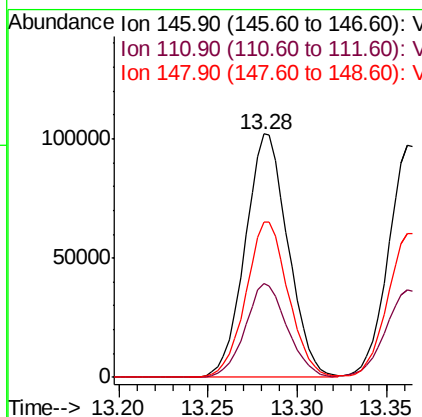
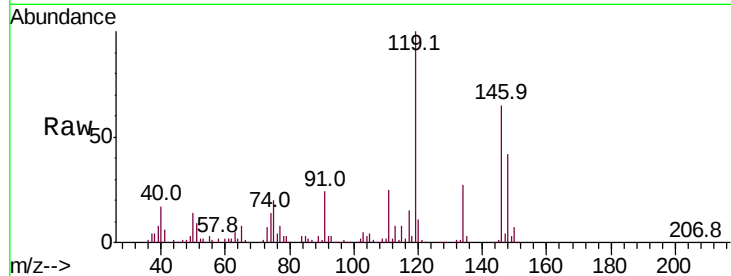
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampled :
VN0322MBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.3	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.555 ug/l

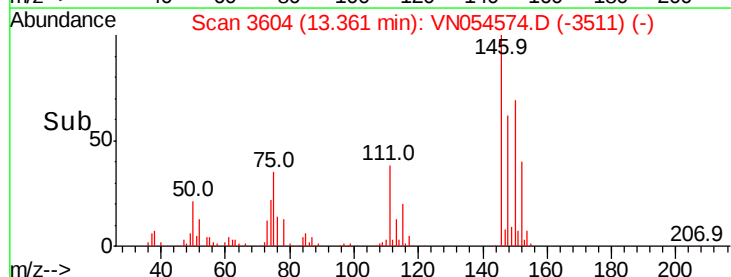
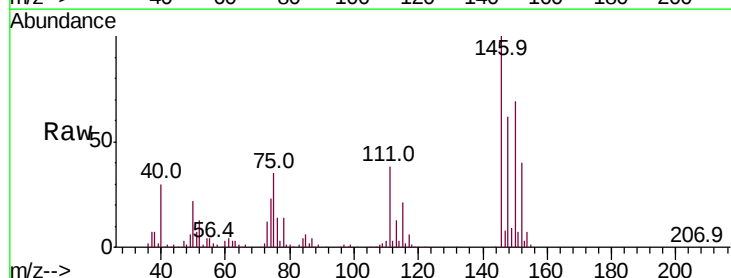
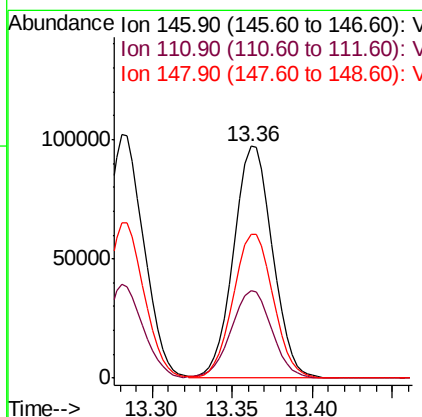
RT: 13.36 min Scan# 3604

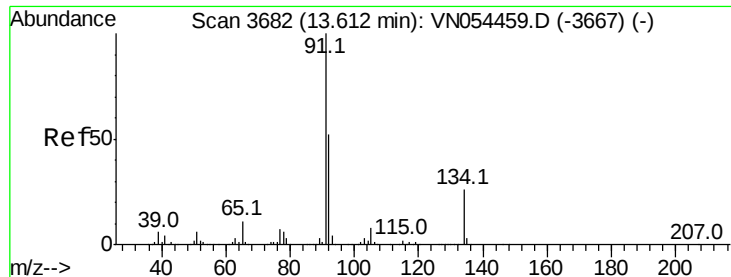
Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.1	54.1
148	64.0	32.0	96.0





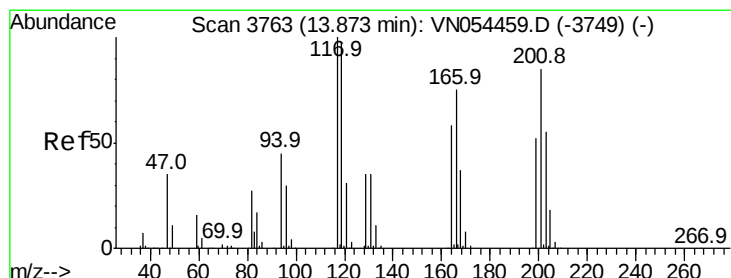
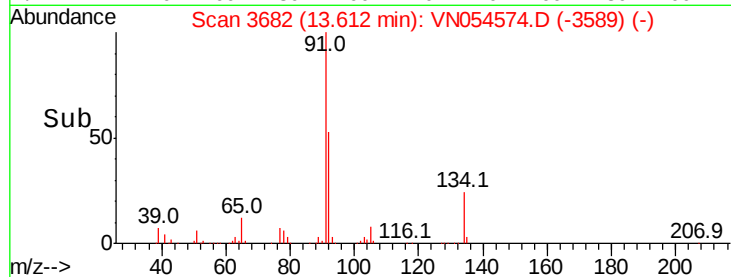
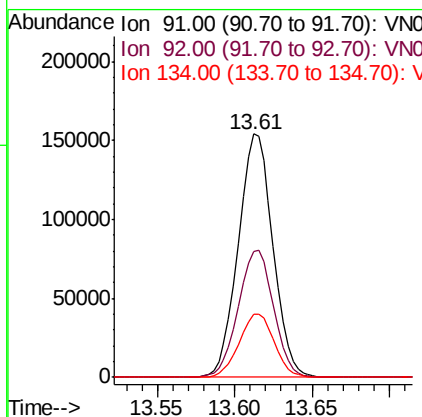
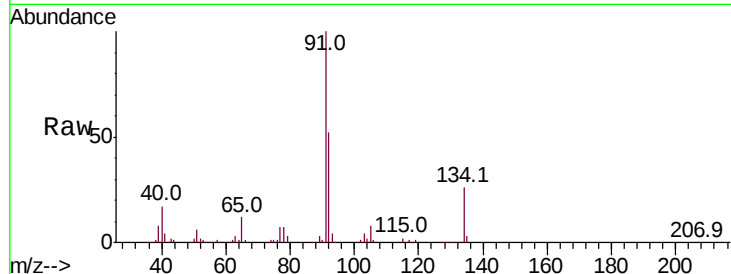
#89
n-Butylbenzene
Concen: 19.643 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.2	78.6
134	26.3	14.3	42.9

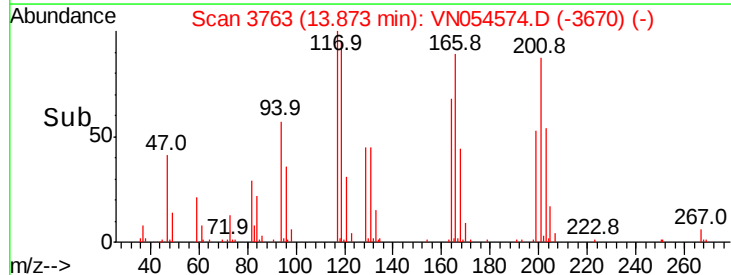
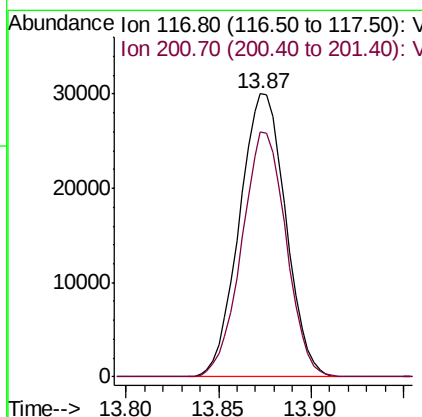
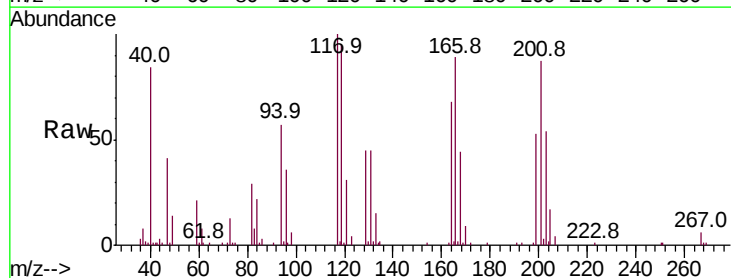
Manual Integrations
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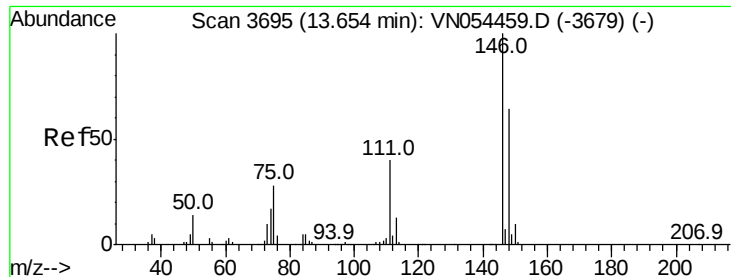
MMDadoda
3/25/2019 4:41:31 PM



#90
Hexachloroethane
Concen: 21.535 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054574.D
Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	48.1	144.4





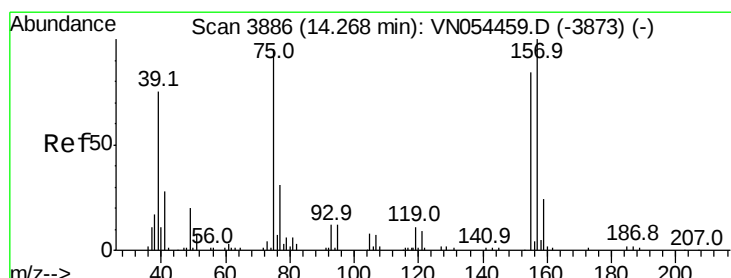
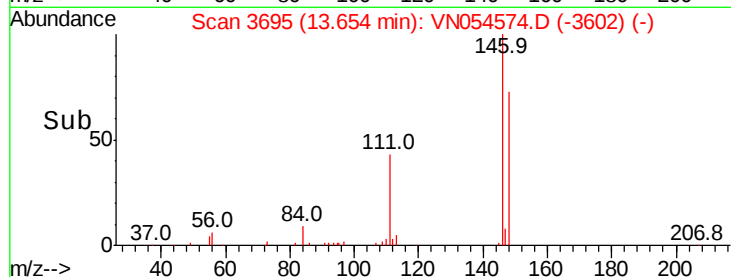
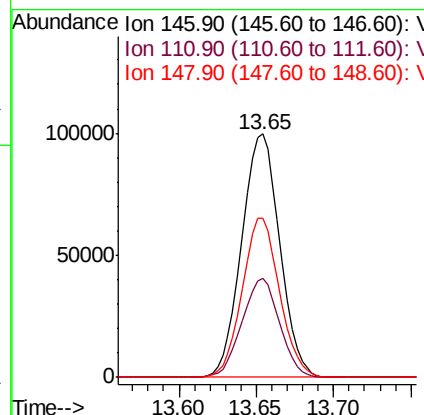
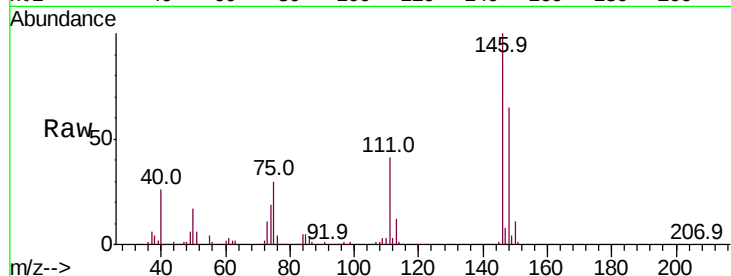
#91
 1,2-Dichlorobenzene
 Concen: 21.812 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	63.9	32.4	97.0

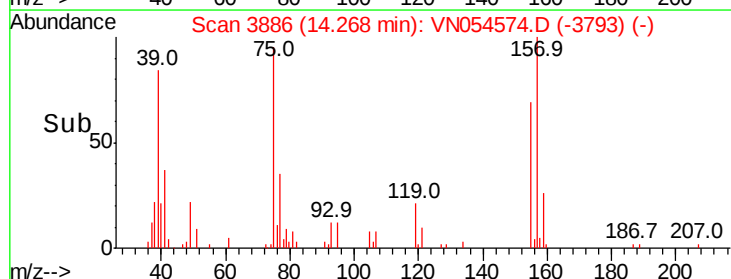
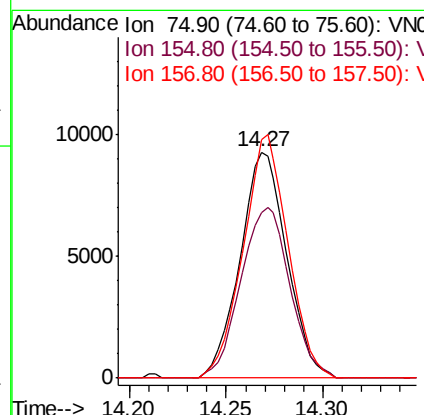
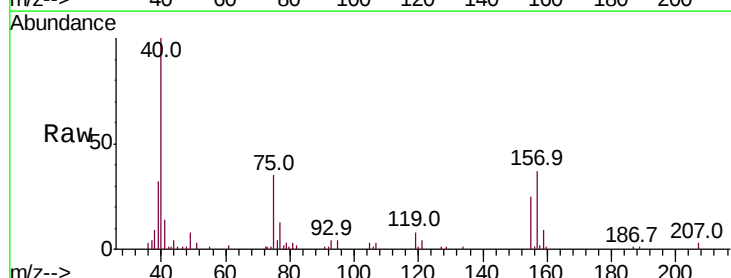
Manual Integrations
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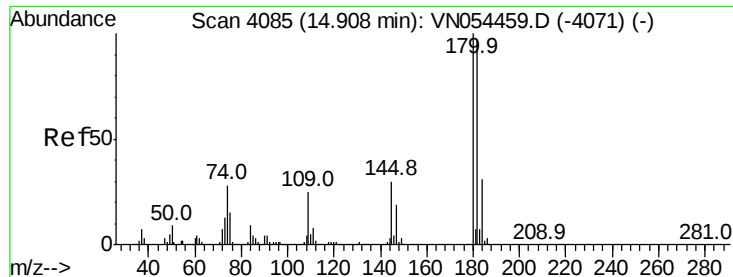
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.628 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	50.1	150.3
157	103.6	63.1	189.3





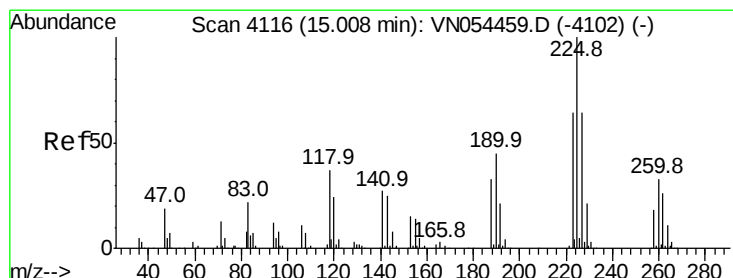
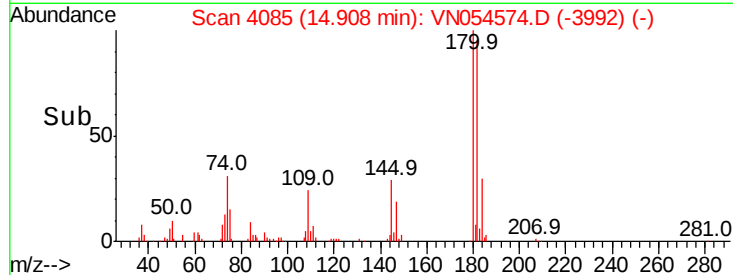
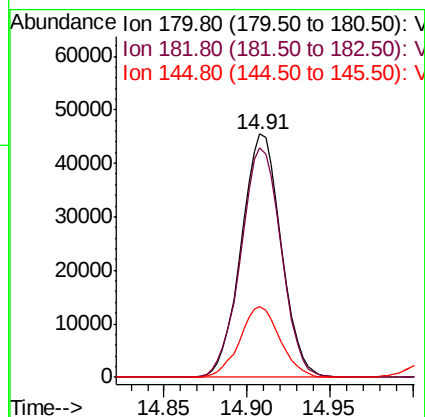
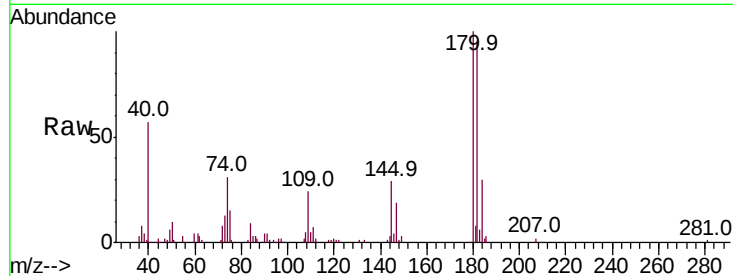
#93
 1,2,4-Trichlorobenzene
 Concen: 19.491 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.0	144.2	
145	29.4	14.2	42.8	

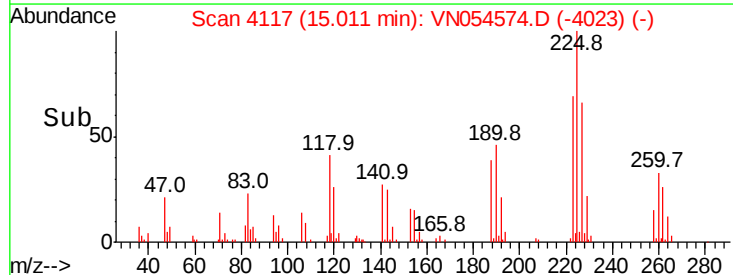
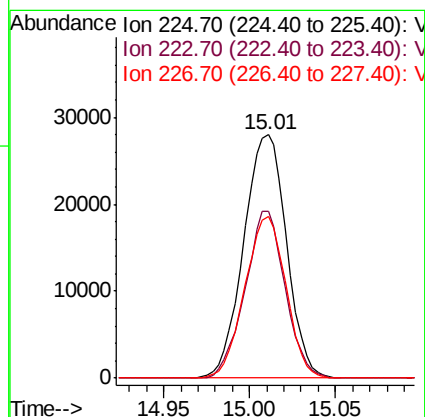
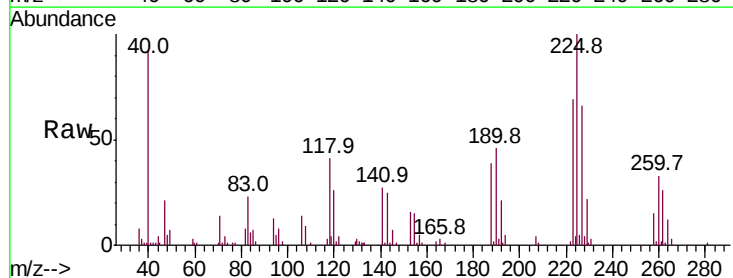
Manual Integrations
 APPROVED

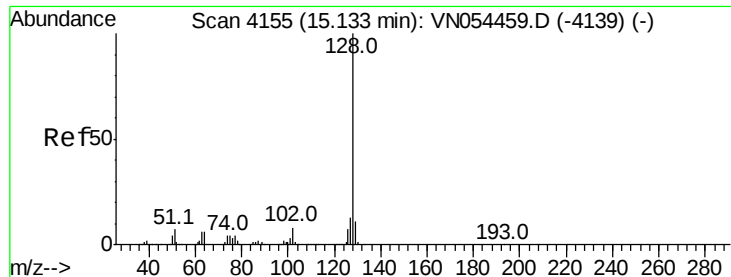
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#94
 Hexachlorobutadiene
 Concen: 20.532 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054574.D
 Acq: 22 Mar 2019 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	31.1	93.5	
227	63.8	31.9	95.9	





#95

Naphthalene

Concen: 21.298 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Instrument :

MSVOA_N

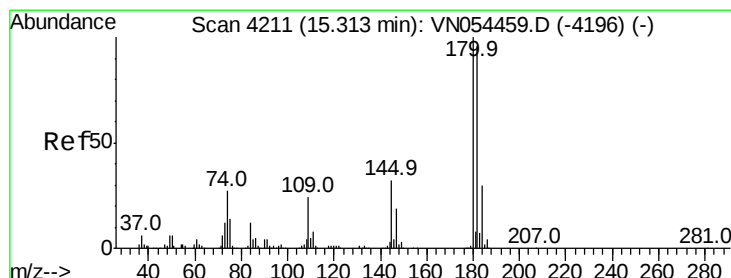
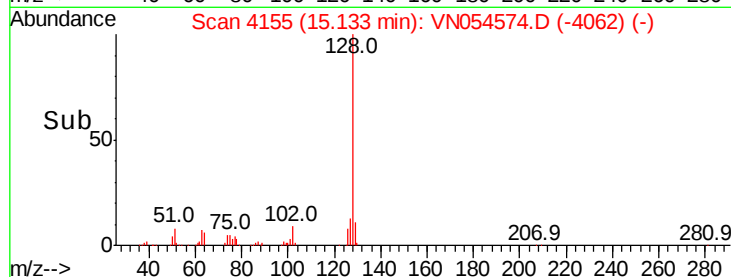
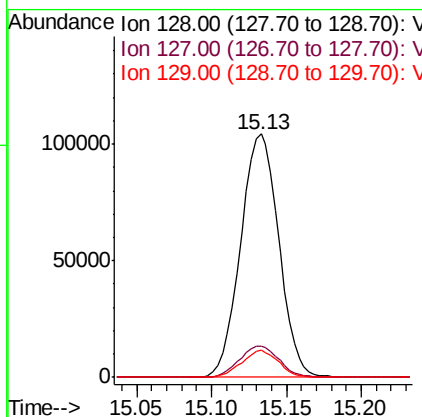
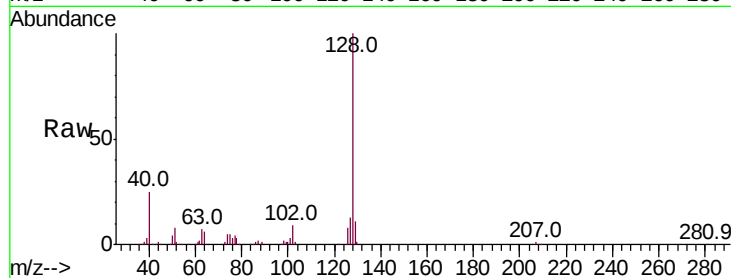
ClientSampleId :

VN0322MBS02

Tot Ion:	128	Resp:	185381
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.723 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054574.D

Acq: 22 Mar 2019 23:35

Tgt Ion:	180	Resp:	80484
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.5	142.6
145	30.5	14.8	44.3

