

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054619.D
 Acq On : 23 Mar 2019 22:50
 Operator : JC/SP
 Sample : VN0323MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:09:07 AM

Quant Time: Mar 25 04:49:46 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	399011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	681323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	247710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	278712	56.16	ug/l	0.00
Spiked Amount						
			Recovery	=	112.32%	
35) Dibromofluoromethane	7.59	113	218773	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
50) Toluene-d8	10.09	98	804458	48.75	ug/l	0.00
Spiked Amount						
			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	266523	47.46	ug/l	0.00
Spiked Amount						
			Recovery	=	94.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	80885	21.205	ug/l	98
3) Chloromethane	2.06	50	118855	22.901	ug/l	98
4) Vinyl Chloride	2.19	62	105538	20.254	ug/l	99
5) Bromomethane	2.57	94	60402	17.927	ug/l	96
6) Chloroethane	2.71	64	59458	19.025	ug/l	97
7) Trichlorofluoromethane	3.02	101	127970	20.223	ug/l	99
8) Diethyl Ether	3.41	74	46898	19.271	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66137	17.784	ug/l	94
10) Methyl Iodide	3.94	142	95769	17.506	ug/l #	90
11) Tert butyl alcohol	4.82	59	35665	118.695	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	68481	17.794	ug/l #	80
13) Acrolein	3.61	56	9776	23.576	ug/l #	81
14) Allyl chloride	4.32	41	155116	21.404	ug/l #	94
15) Acrylonitrile	5.00	53	174549	116.651	ug/l	99
16) Acetone	3.82	43	125450	84.073	ug/l #	85
17) Carbon Disulfide	4.04	76	194349	18.847	ug/l	98
18) Methyl Acetate	4.33	43	82100	24.686	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	253296	22.551	ug/l	97
20) Methylene Chloride	4.54	84	94717	21.534	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	86372	21.978	ug/l	86
22) Diisopropyl ether	5.96	45	337382	23.602	ug/l #	94
23) Vinyl Acetate	5.90	43	1197204	118.582	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	174755	22.705	ug/l	98
25) 2-Butanone	6.85	43	215119	112.543	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	93475	17.037	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	98998	21.120	ug/l	88
28) Bromochloromethane	7.19	49	86500	22.832	ug/l #	72
29) Tetrahydrofuran	7.22	42	152838	123.217	ug/l #	85
30) Chloroform	7.37	83	169966	22.628	ug/l	98
31) Cyclohexane	7.65	56	164384	21.220	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	138799	22.398	ug/l	95
36) 1,1-Dichloropropene	7.79	75	122706	19.262	ug/l	95
37) Ethyl Acetate	6.94	43	100124	22.098	ug/l	96
38) Carbon Tetrachloride	7.77	117	121184	19.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132301	18.156	ug/l	89
40) Benzene	8.04	78	372828	20.466	ug/l	98
41) Methacrylonitrile	7.18	41	63332	22.920	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	138257	20.840	ug/l	96
43) Isopropyl Acetate	8.17	43	172306	22.518	ug/l #	93
44) Trichloroethene	8.83	130	95642	18.885	ug/l	89
45) 1,2-Dichloropropane	9.12	63	105742	21.617	ug/l	99
46) Dibromomethane	9.21	93	61229	20.982	ug/l	89
47) Bromodichloromethane	9.40	83	128557	21.227	ug/l	97
48) Methyl methacrylate	9.20	41	87804	21.141	ug/l #	86
49) 1,4-Dioxane	9.20	88	20265	436.458	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	482395	113.752	ug/l	93
52) Toluene	10.16	92	222070	19.820	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	112257	19.019	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	137456	19.795	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	86152	21.391	ug/l	97
56) Ethyl methacrylate	10.43	69	112105	20.739	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	149080	21.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	208182	93.526	ug/l	89
59) 2-Hexanone	10.75	43	302152	109.080	ug/l	91
60) Dibromochloromethane	10.90	129	88243	20.591	ug/l	100
61) 1,2-Dibromoethane	11.01	107	79836	20.051	ug/l	98
64) Tetrachloroethene	10.63	164	89904	18.371	ug/l	93
65) Chlorobenzene	11.43	112	234791	19.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89024	20.669	ug/l	99
67) Ethyl Benzene	11.51	91	422035	19.910	ug/l	98
68) m/p-Xylenes	11.62	106	310860	38.718	ug/l	96
69) o-Xylene	11.95	106	154451	19.698	ug/l	96
70) Styrene	11.96	104	252509	19.831	ug/l	96
71) Bromoform	12.13	173	52985	19.272	ug/l #	99
73) Isopropylbenzene	12.25	105	402167	20.148	ug/l	99
74) N-amyl acetate	12.07	43	136188	23.728	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	103245	22.658	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	92703m	23.584	ug/l	
77) Bromobenzene	12.53	156	101249	20.452	ug/l	87
78) n-propylbenzene	12.59	91	436028	20.145	ug/l	97
79) 2-Chlorotoluene	12.67	91	271710	20.130	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	332466	20.322	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18728	18.555	ug/l #	76
82) 4-Chlorotoluene	12.77	91	265423	20.287	ug/l	96
83) tert-Butylbenzene	12.99	119	291295	20.456	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	324141	20.193	ug/l	98
85) sec-Butylbenzene	13.17	105	353229	19.898	ug/l	98
86) p-Isopropyltoluene	13.29	119	306981	19.329	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	162105	19.759	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159984	20.043	ug/l	98
89) n-Butylbenzene	13.62	91	232850	18.750	ug/l	99
90) Hexachloroethane	13.87	117	51069	20.716	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	165055	20.771	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15852	23.718	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73125	18.460	ug/l	98
94) Hexachlorobutadiene	15.01	225	45818	19.052	ug/l	98
95) Naphthalene	15.13	128	175720	19.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	76404	19.379	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: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBSD01

Tot Ion:168 Resp: 399011

Ion Ratio Lower Upper

168 100

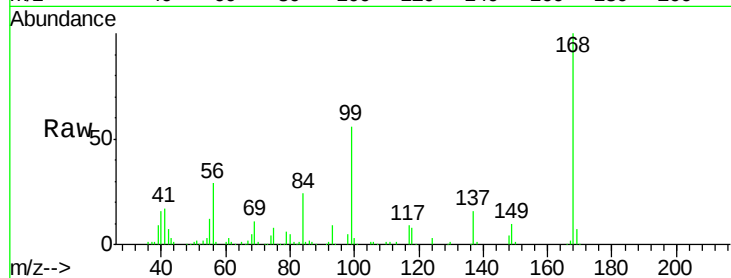
99 54.7 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.66

150000

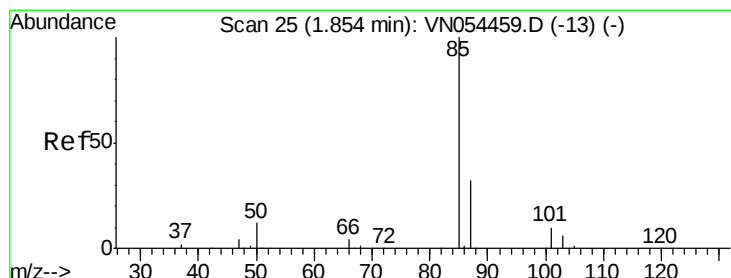
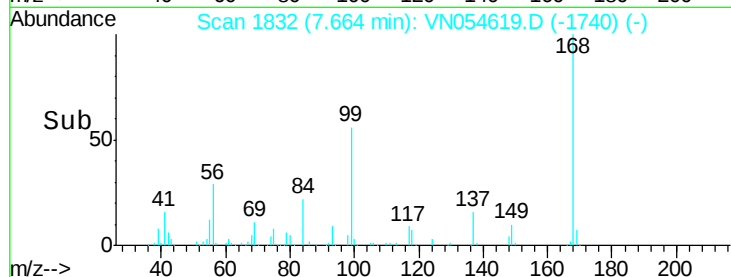
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.205 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054619.D

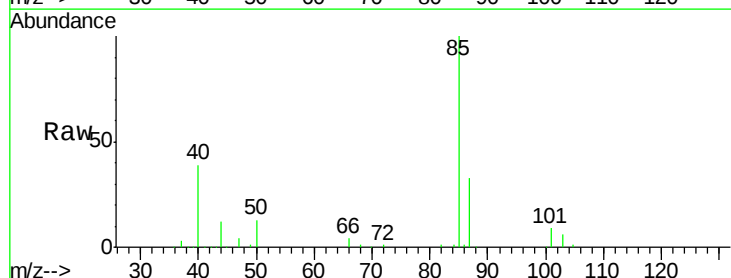
Acq: 23 Mar 2019 22:50

Tgt Ion: 85 Resp: 80885

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

60000

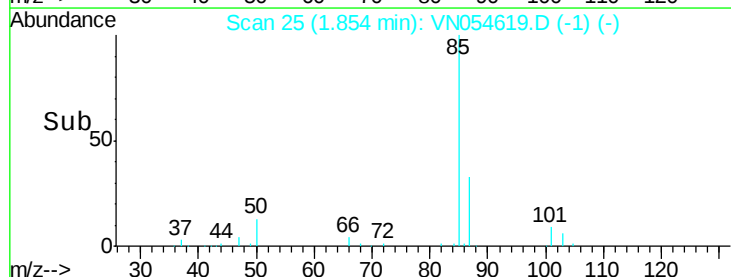
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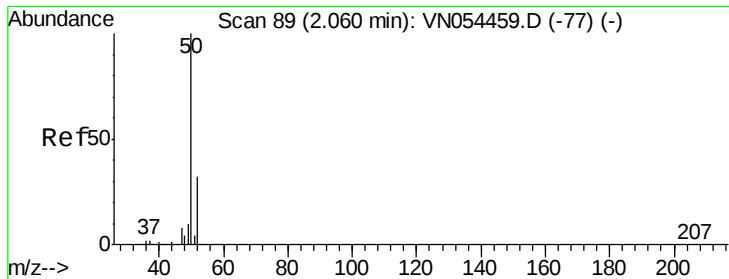
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.901 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBSD01

Tot Ion: 50 Resp: 118855

Ion Ratio Lower Upper

50 100

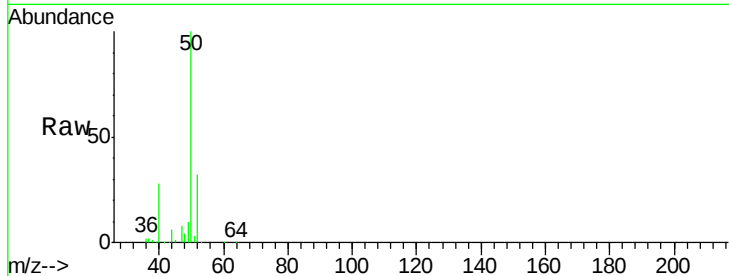
52 32.1 26.4 39.6

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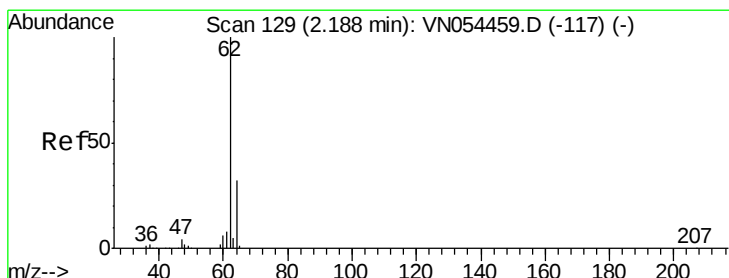
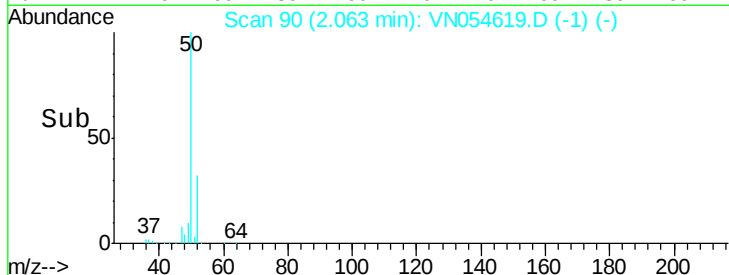
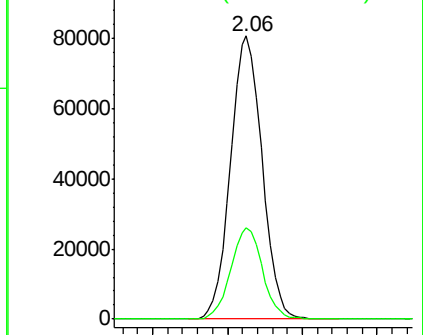
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.254 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054619.D

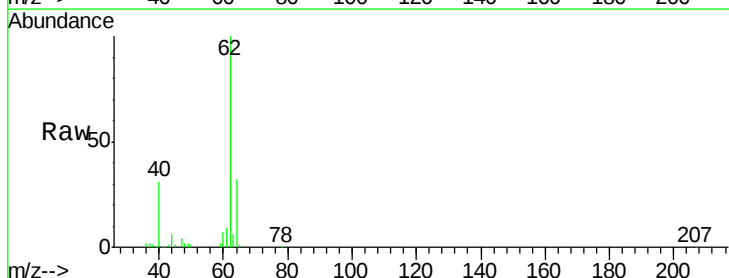
Acq: 23 Mar 2019 22:50

Tgt Ion: 62 Resp: 105538

Ion Ratio Lower Upper

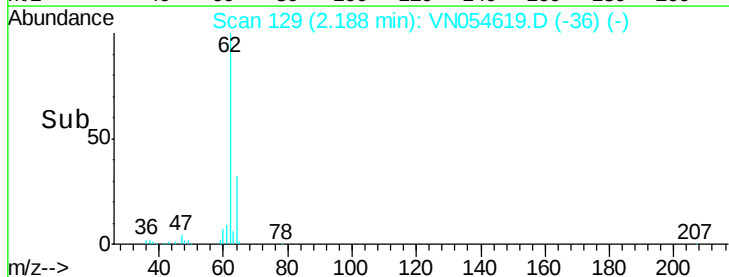
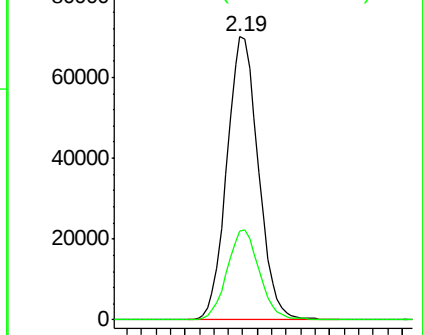
62 100

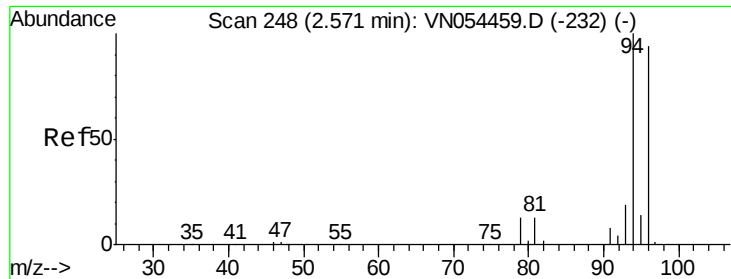
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.927 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

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ClientSampleId :

VN0323MBSD01

Tot Ion: 94 Resp: 60402

Ion Ratio Lower Upper

94 100

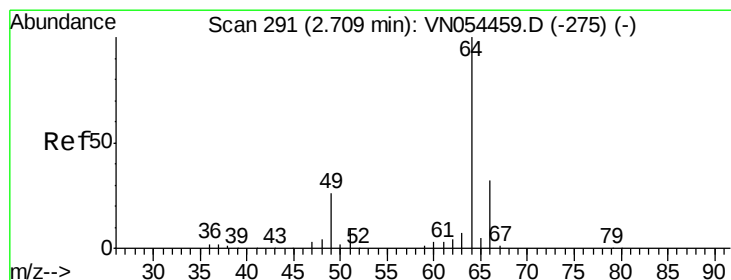
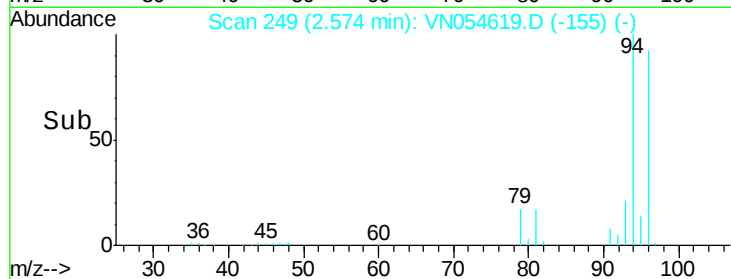
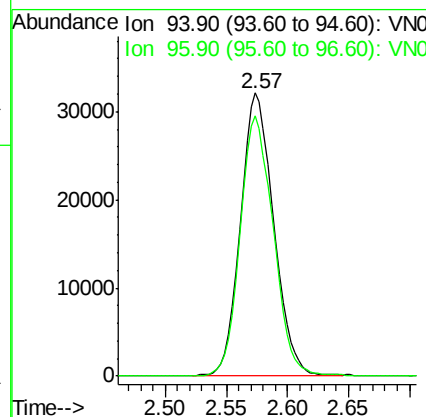
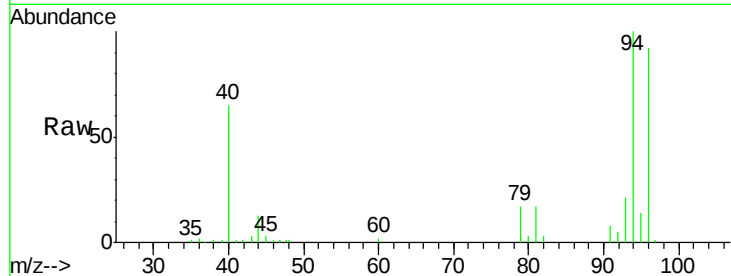
96 91.8 77.0 115.4

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#6

Chloroethane

Concen: 19.025 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054619.D

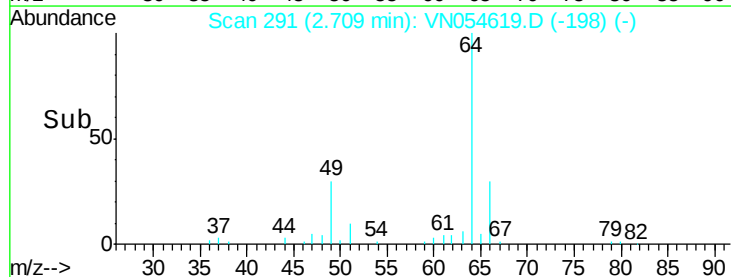
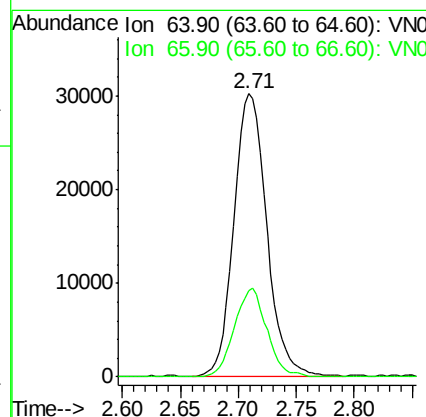
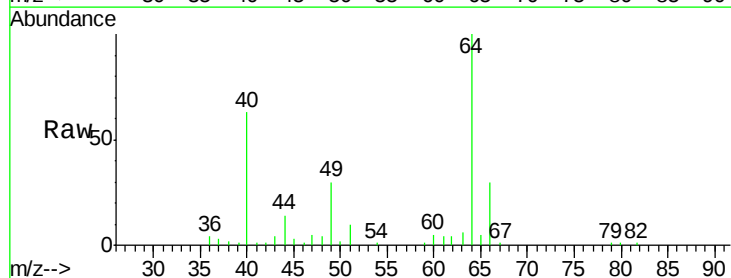
Acq: 23 Mar 2019 22:50

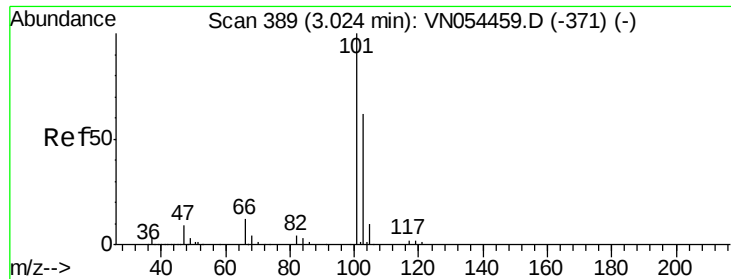
Tgt Ion: 64 Resp: 59458

Ion Ratio Lower Upper

64 100

66 30.5 25.7 38.5





#7

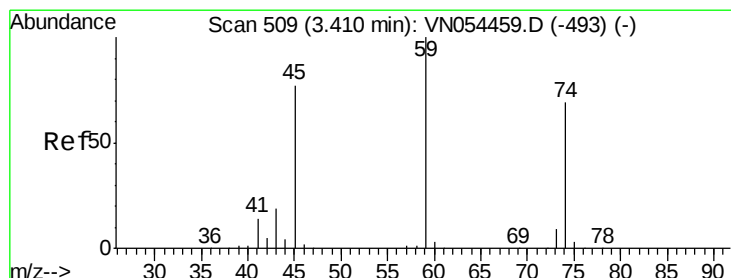
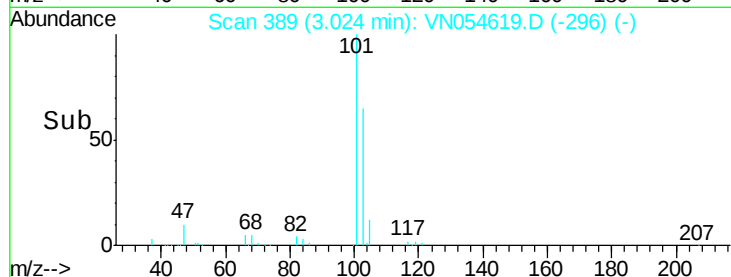
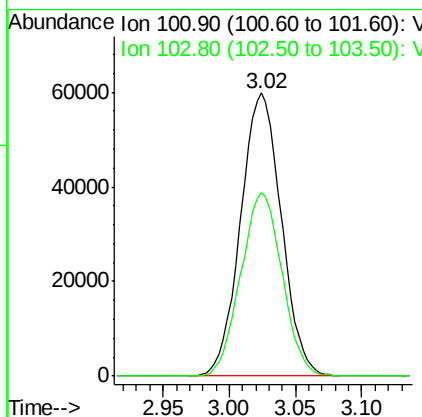
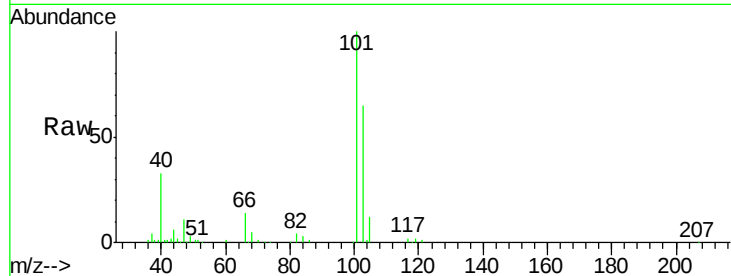
Trichlorofluoromethane
Concen: 20.223 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054619.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2

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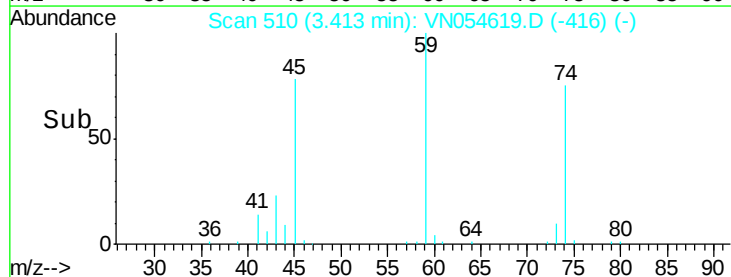
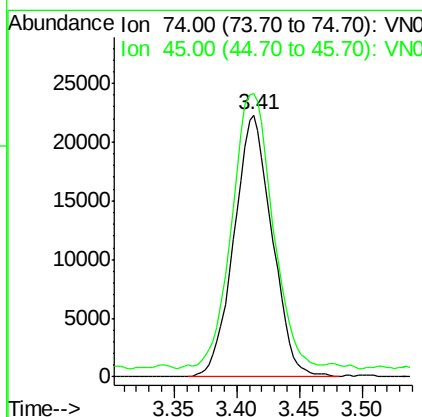
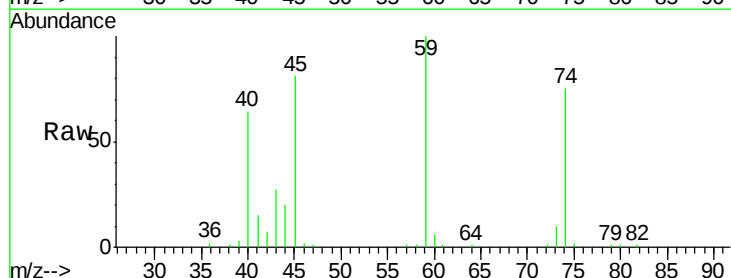
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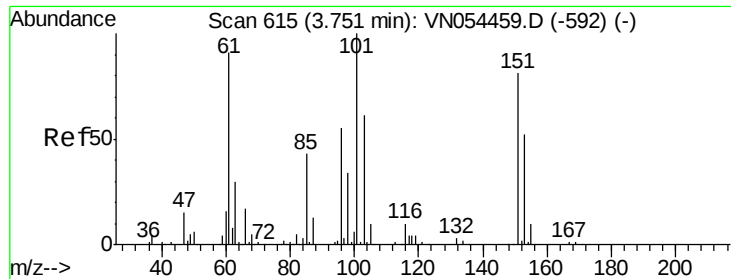


#8

Diethyl Ether
Concen: 19.271 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.784 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054619.D

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Instrument :

MSVOA_N

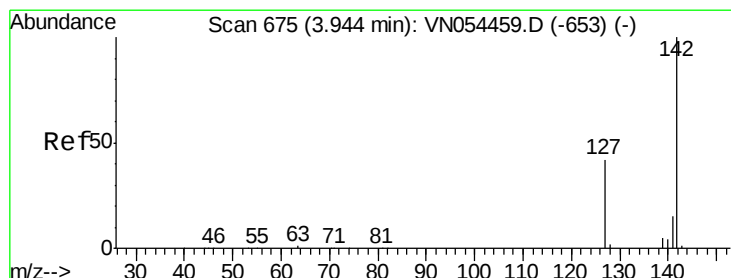
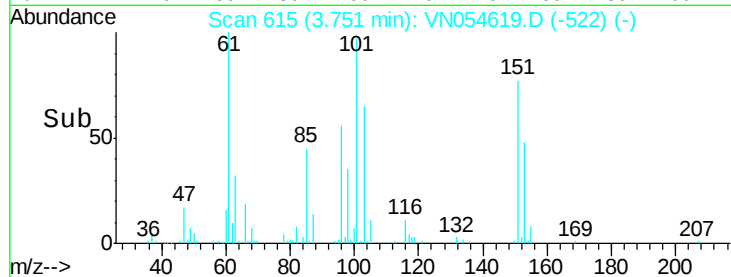
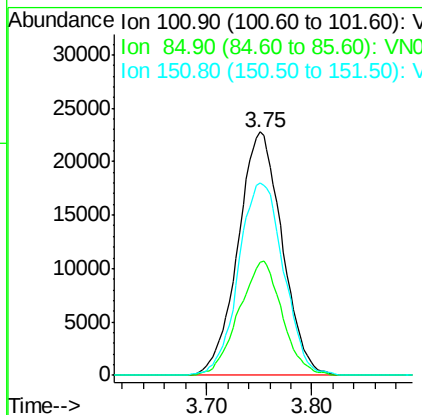
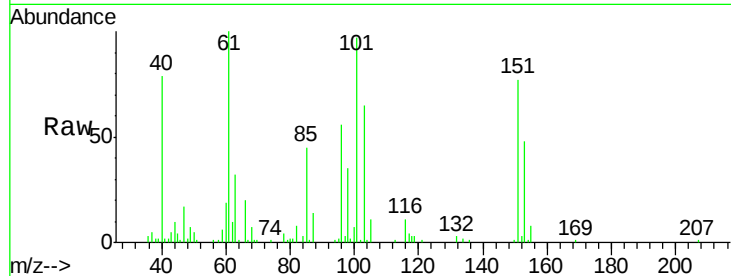
ClientSampleId :

VN0323MBSD01

Tot Ion:	101	Resp:	66137
Ion Ratio	Lower	Upper	
101	100		
85	46.1	32.4	48.6
151	80.9	68.2	102.2

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#10

Methyl Iodide

Concen: 17.506 ug/l

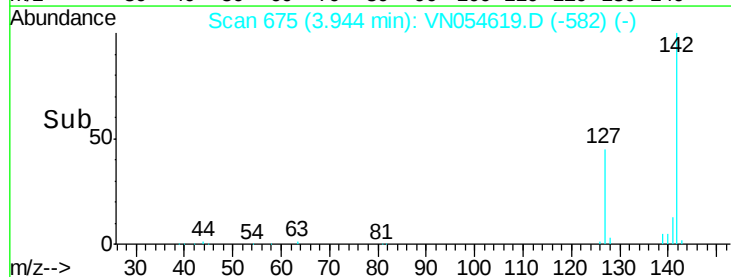
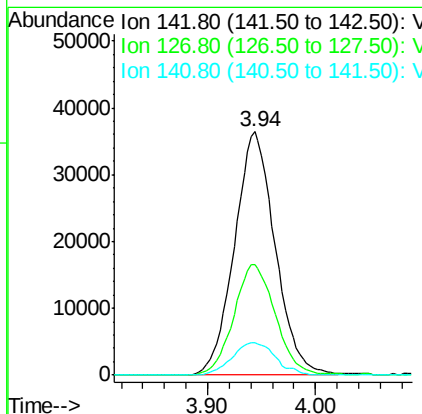
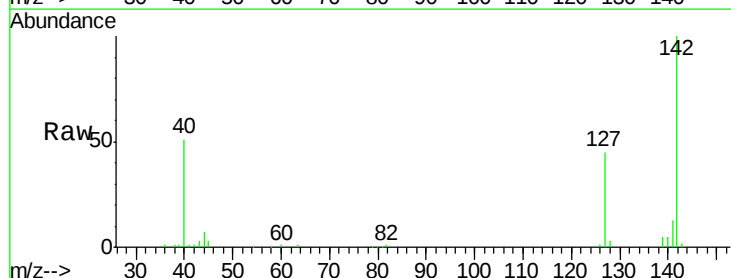
RT: 3.94 min Scan# 675

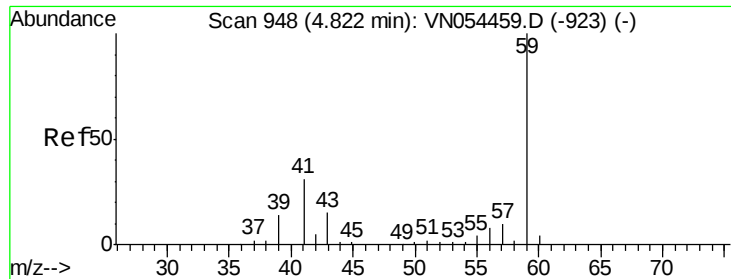
Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	142	Resp:	95769
Ion Ratio	Lower	Upper	
142	100		
127	46.2	30.3	45.5#
141	14.1	11.2	16.8





#11

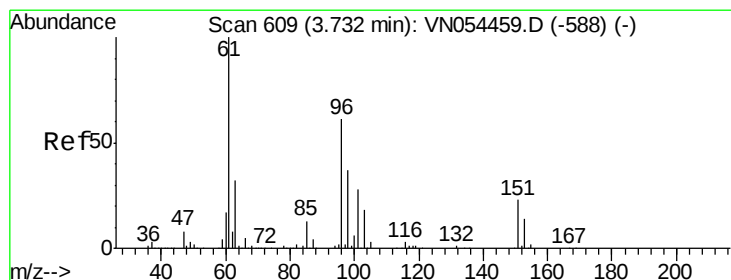
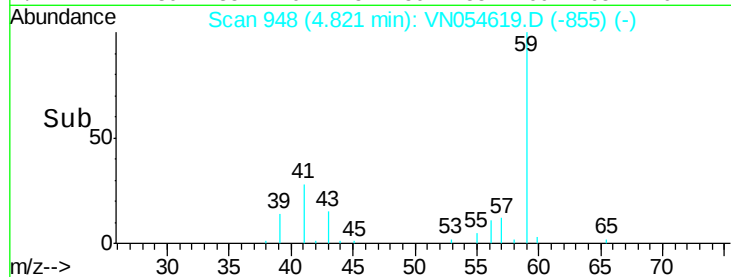
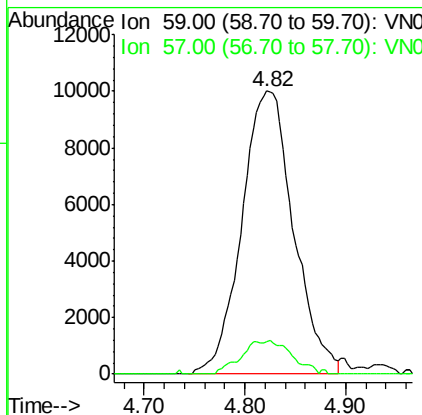
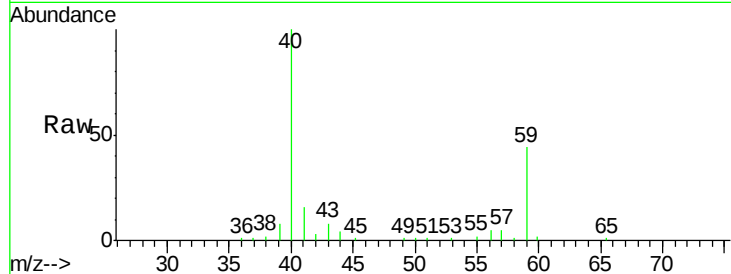
Tert butyl alcohol
 Concen: 118.695 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	9.0	13.6#

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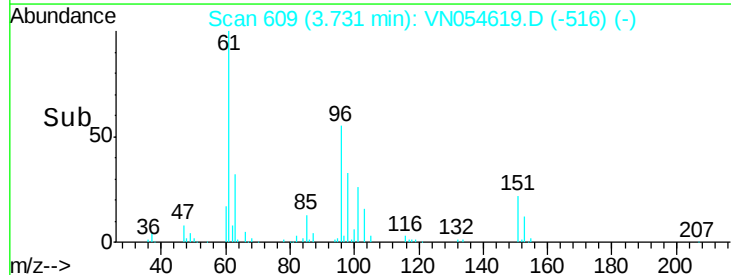
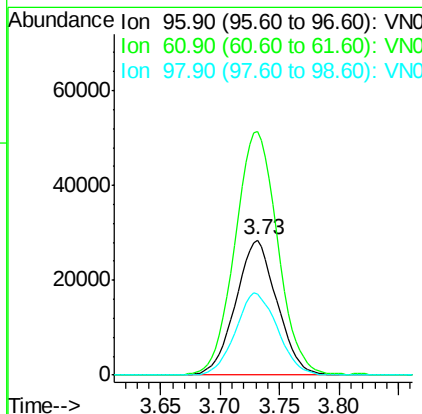
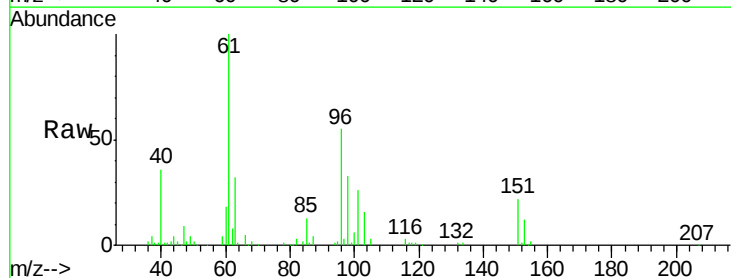
MMDadoda
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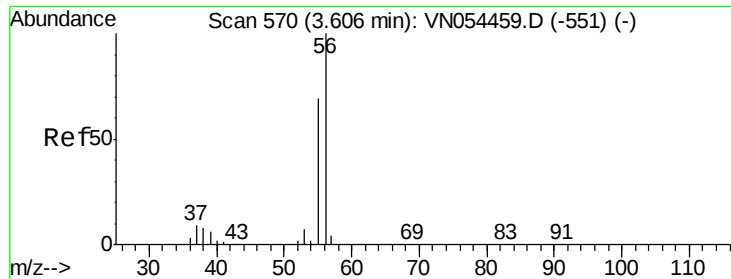


#12

1,1-Dichloroethene
 Concen: 17.794 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	116.5	174.7#
98	59.9	51.0	76.4





#13

Acrolein

Concen: 23.576 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBSD01

Tot Ion: 56 Resp: 9776

Ion Ratio Lower Upper

56 100

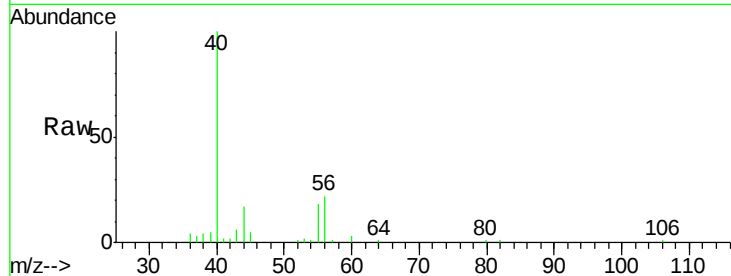
55 86.8 56.7 85.1#

Manual Integrations

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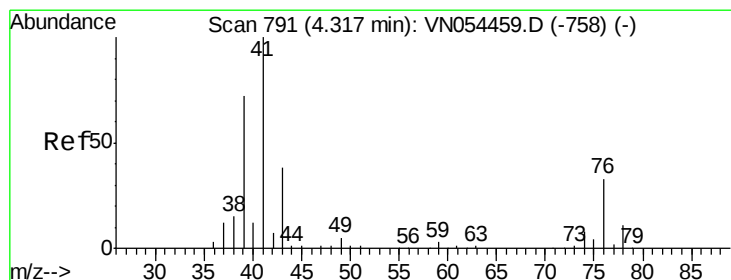
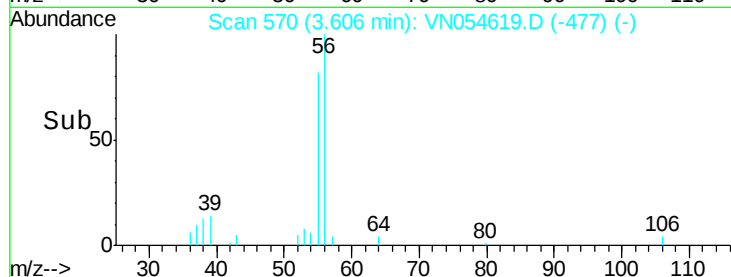
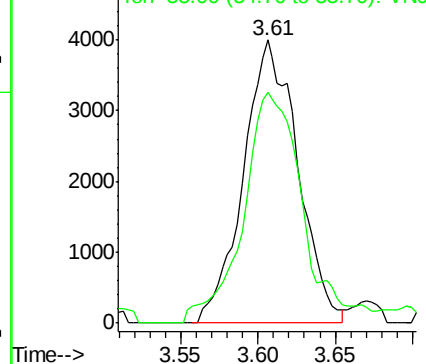
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.404 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

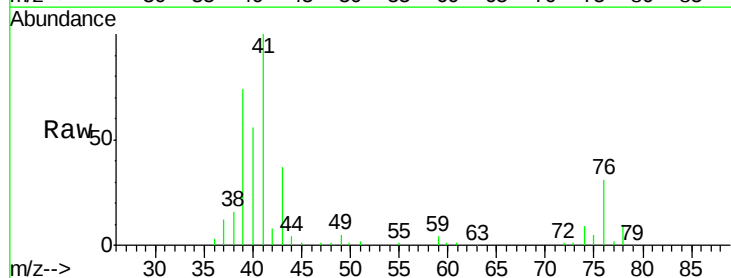
Tgt Ion: 41 Resp: 155116

Ion Ratio Lower Upper

41 100

39 72.9 58.2 87.4

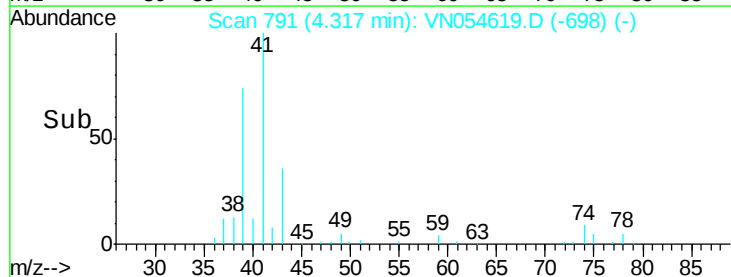
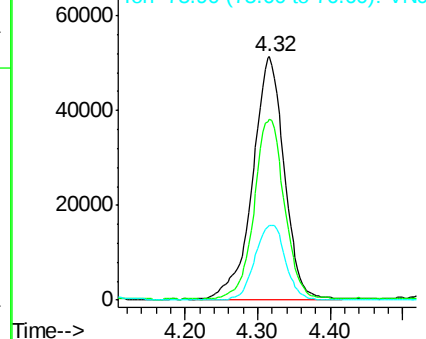
76 29.8 31.7 47.5#

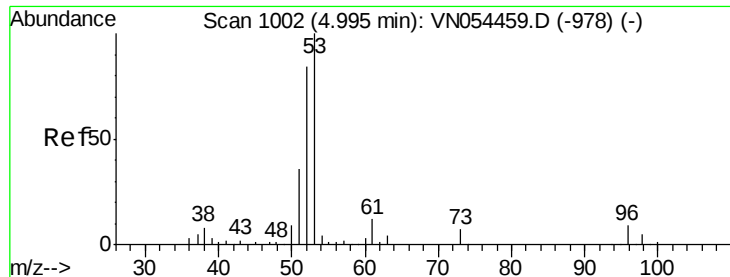


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





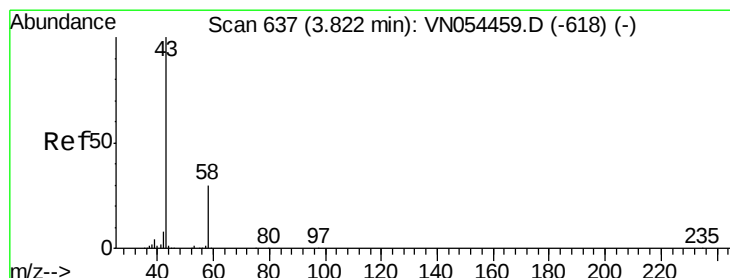
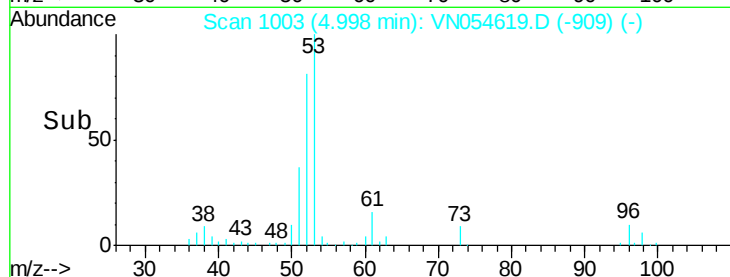
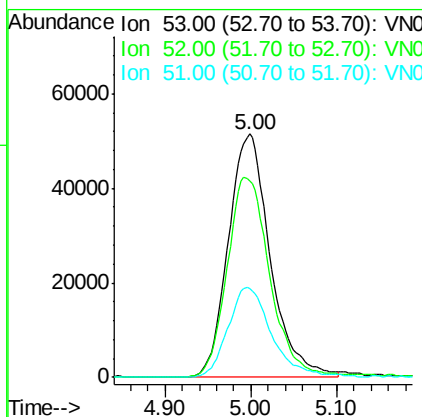
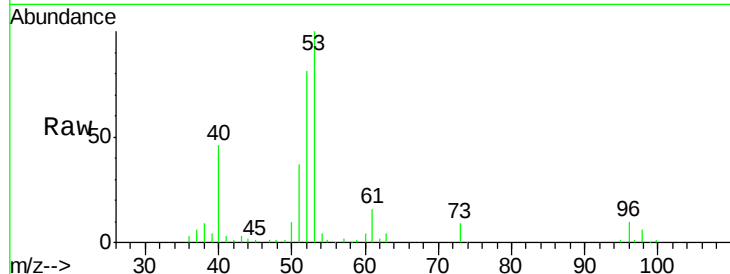
#15
 Acrylonitrile
 Concen: 116.651 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion	53	Resp	174549
Ion Ratio	100	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	38.7	29.6	44.4

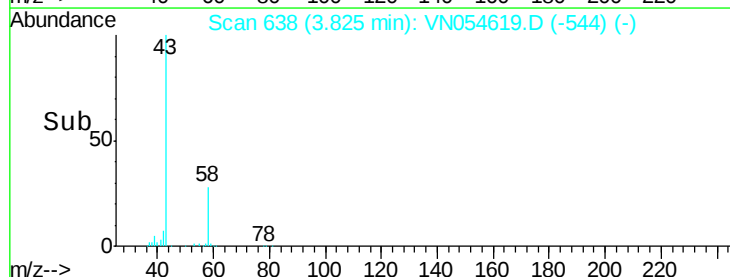
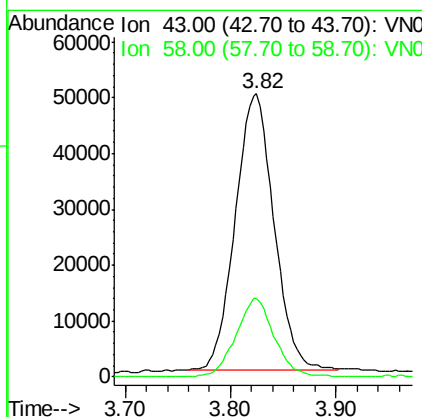
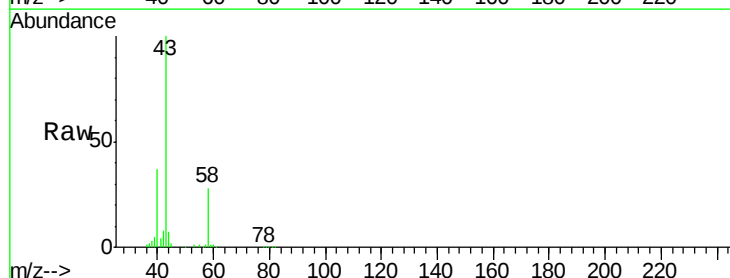
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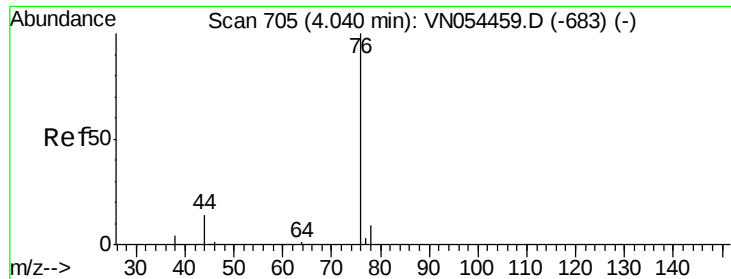
MMDadoda
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#16
 Acetone
 Concen: 84.073 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	43	Resp	125450
Ion Ratio	100	Lower	Upper
43	100		
58	28.6	29.9	44.9#





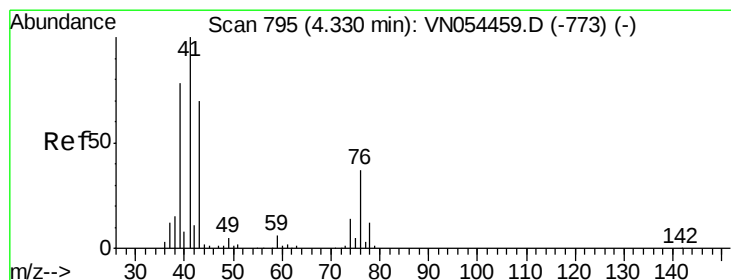
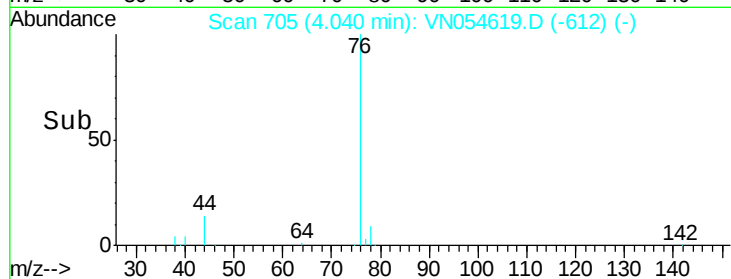
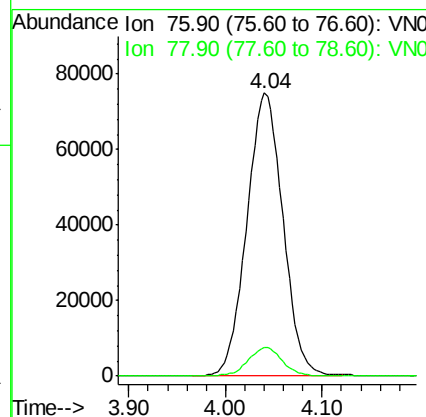
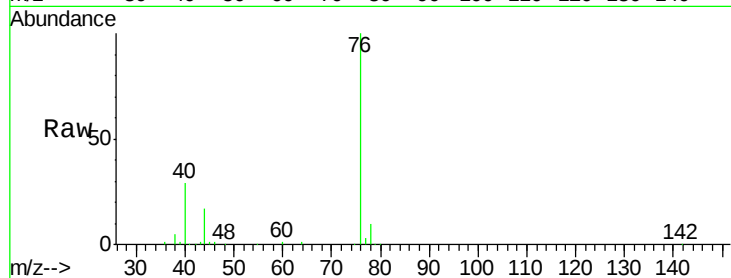
#17
Carbon Disulfide
Concen: 18.847 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.5	11.3

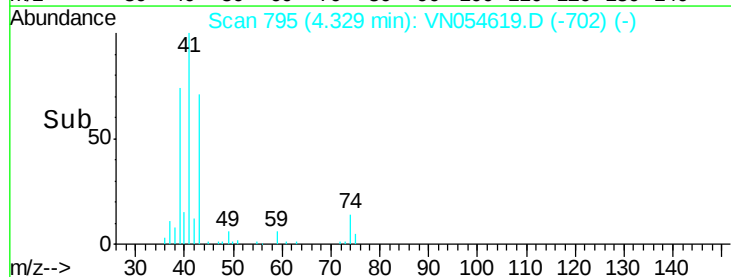
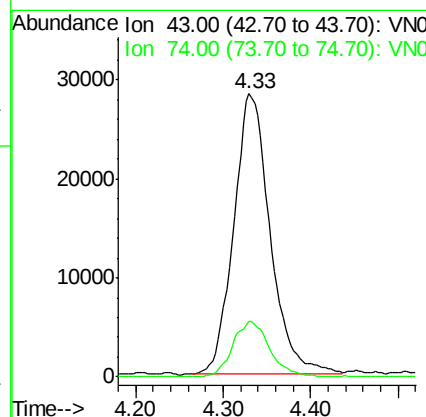
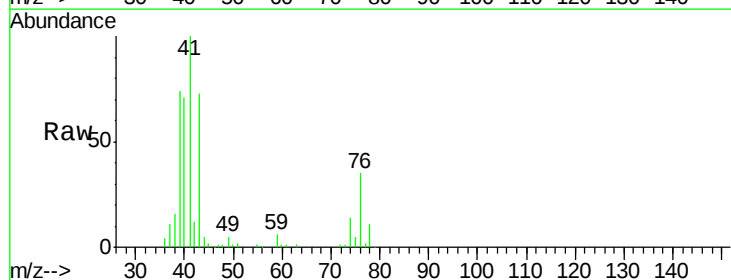
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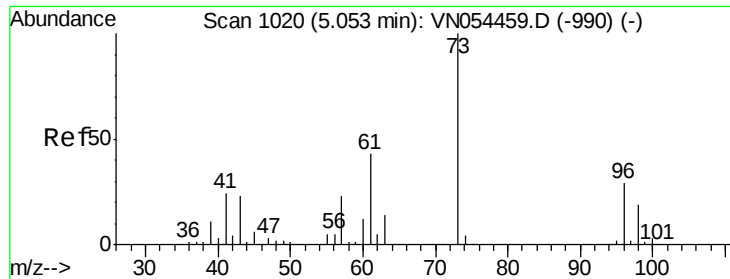
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#18
Methyl Acetate
Concen: 24.686 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	20.8	31.2#





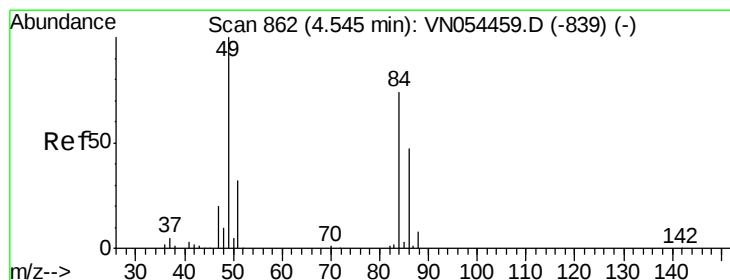
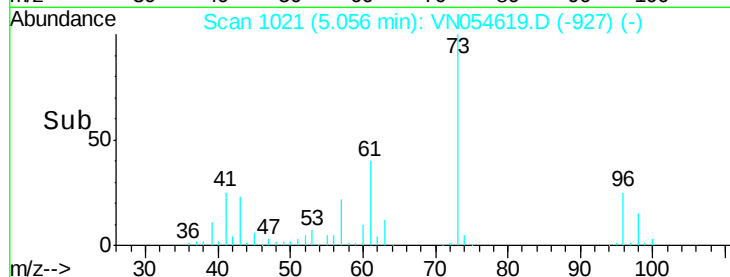
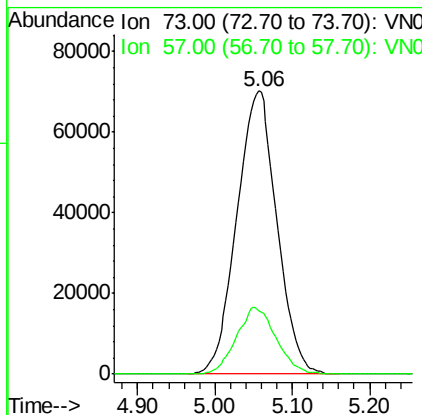
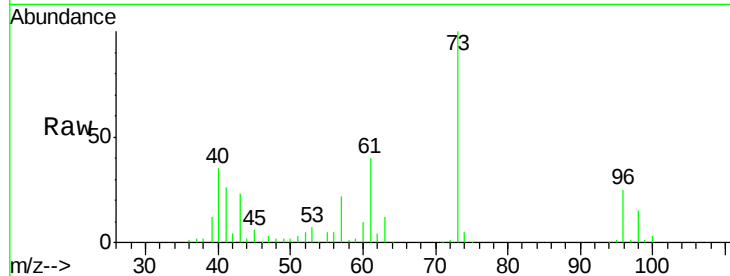
#19
Methvl tert-butvl Ether
Concen: 22.551 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion: 73 Resp: 253296
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2

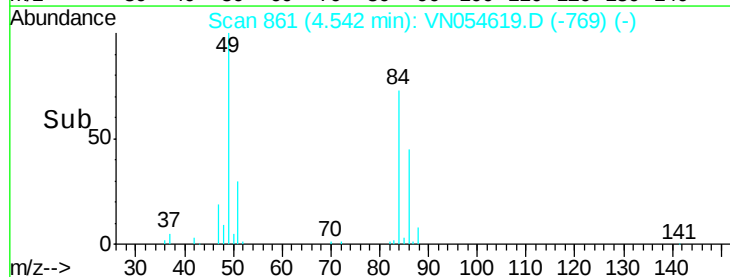
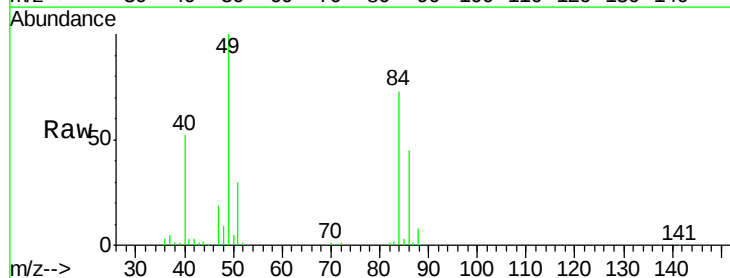
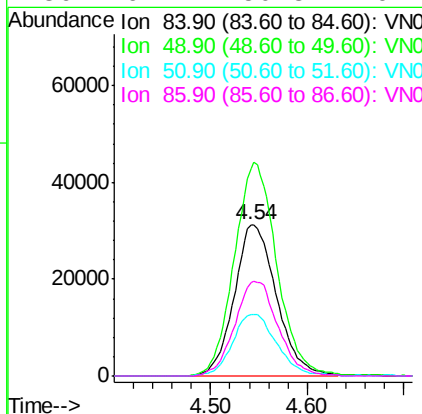
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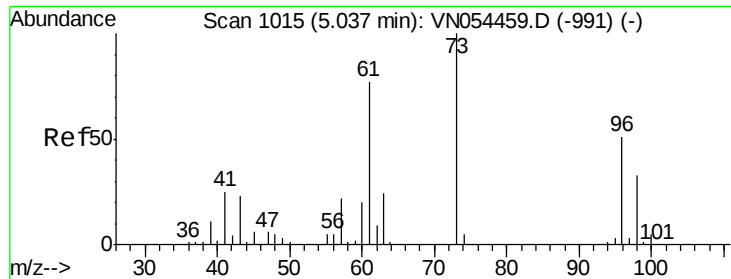
MMDadoda
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#20
Methylene Chloride
Concen: 21.534 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion: 84 Resp: 94717
Ion Ratio Lower Upper
84 100
49 137.4 89.7 134.5#
51 40.8 28.2 42.4
86 61.4 50.8 76.2





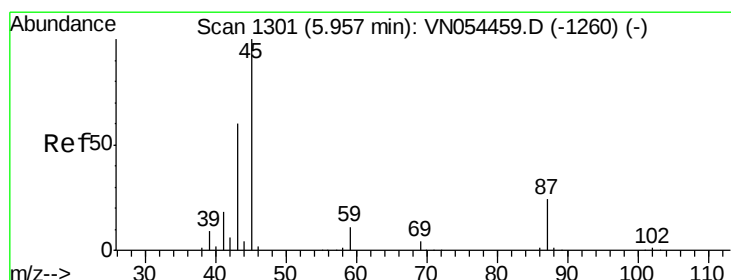
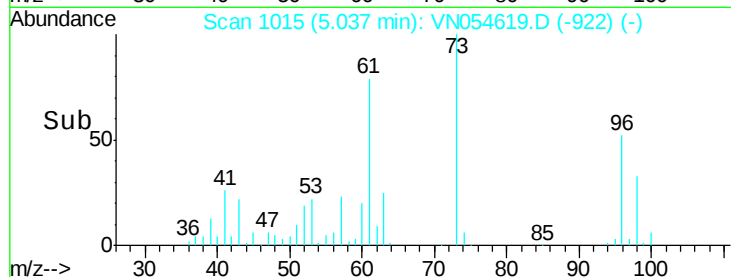
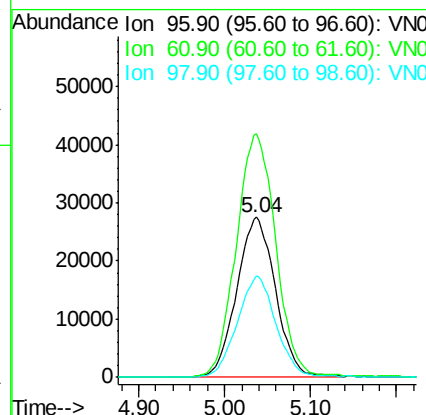
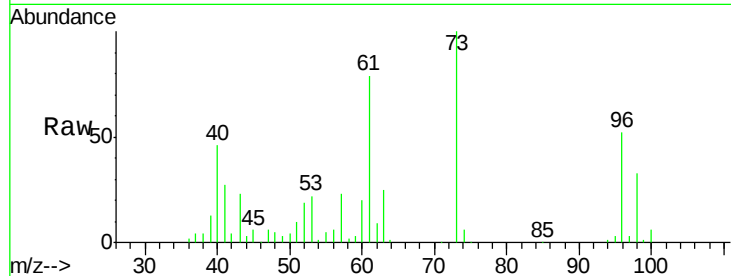
#21
trans-1,2-Dichloroethene
Concen: 21.978 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.9	102.8	154.2
98	63.2	50.0	75.0

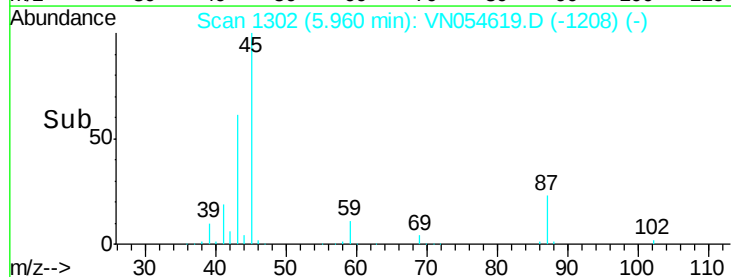
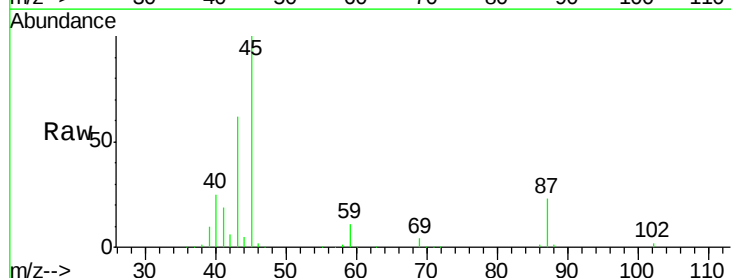
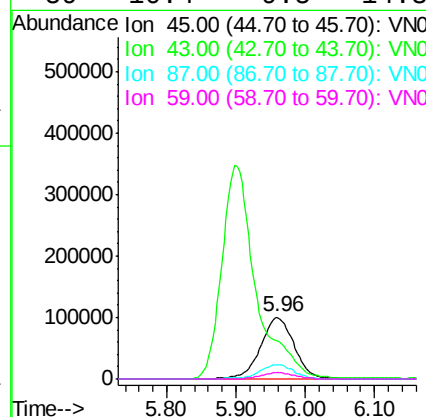
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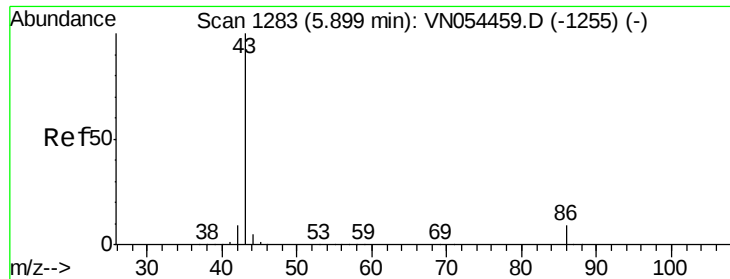
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#22
Diisopropyl ether
Concen: 23.602 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.2	72.2
87	22.3	24.9	37.3
59	10.4	9.5	14.3





#23

Vinyl Acetate

Concen: 118.582 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBSD01

Tot Ion: 43 Resp: 1197204

Ion Ratio Lower Upper

43 100

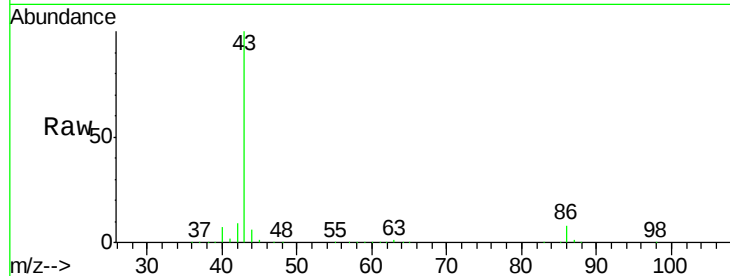
86 8.3 9.1 13.7#

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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

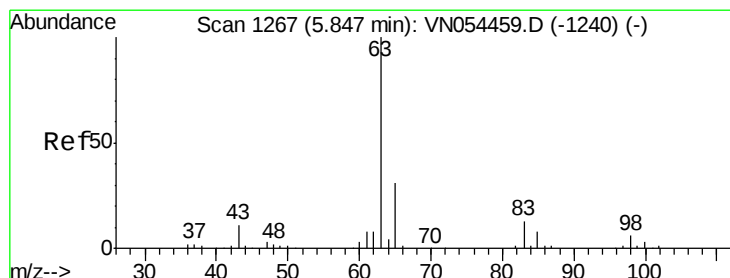
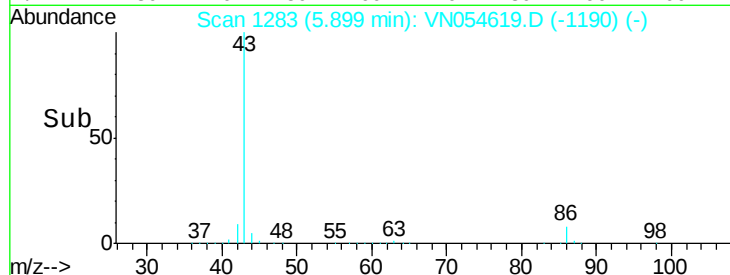
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.705 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

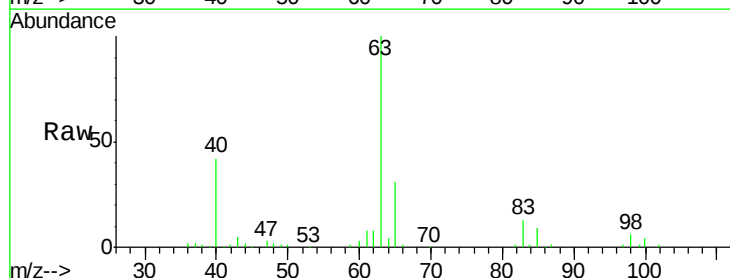
Tgt Ion: 63 Resp: 174755

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 3.8 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

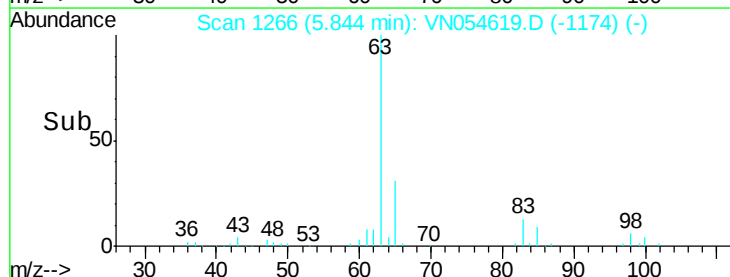
60000

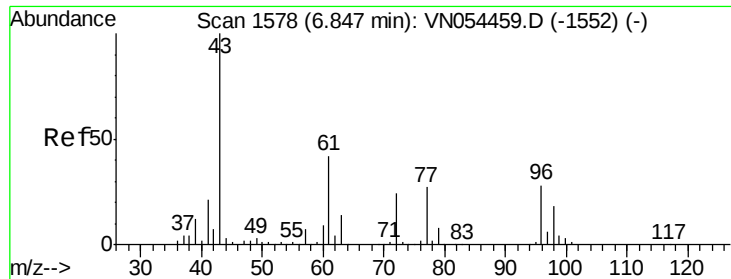
40000

20000

0

Time-->





#25

2-Butanone

Concen: 112.543 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBSD01

Tot Ion: 43 Resp: 215119

Ion Ratio Lower Upper

43 100

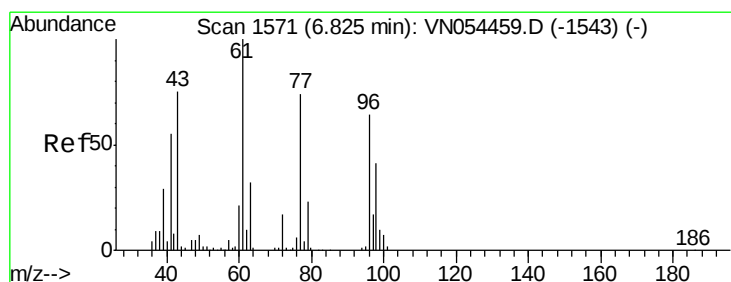
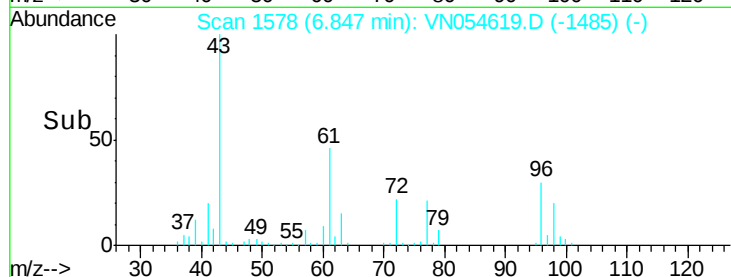
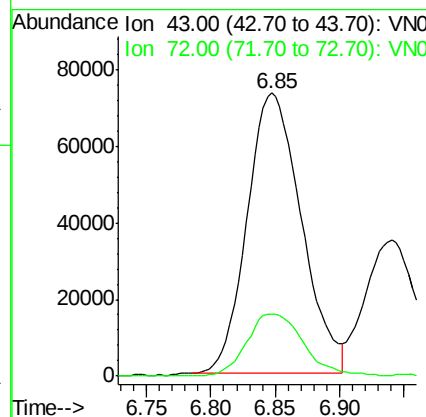
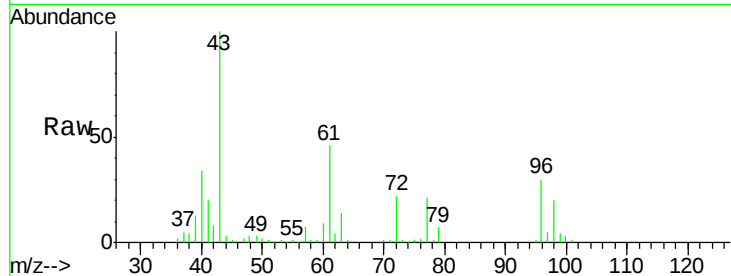
72 22.2 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.037 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054619.D

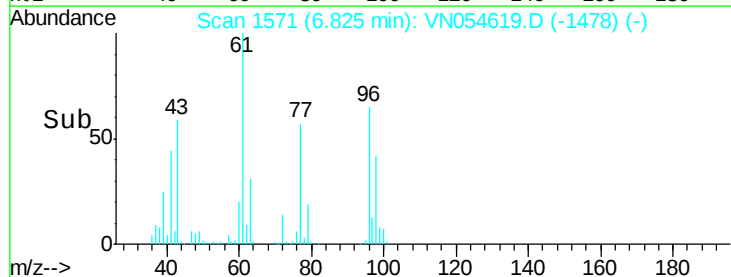
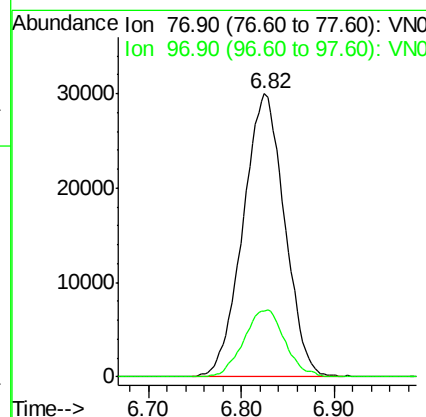
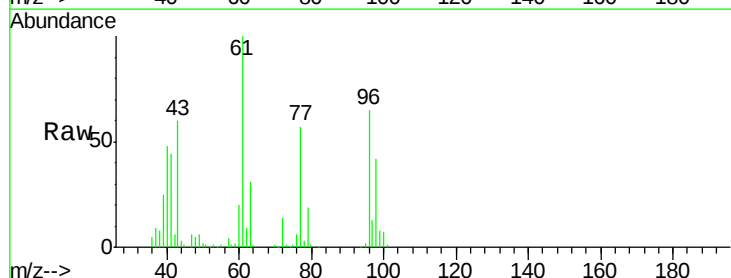
Acq: 23 Mar 2019 22:50

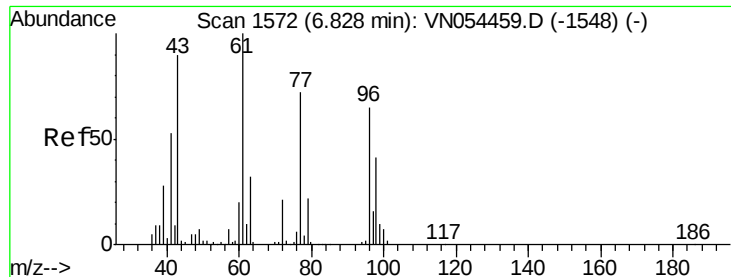
Tgt Ion: 77 Resp: 93475

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.120 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

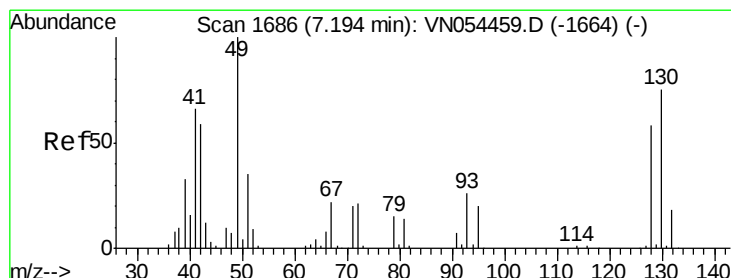
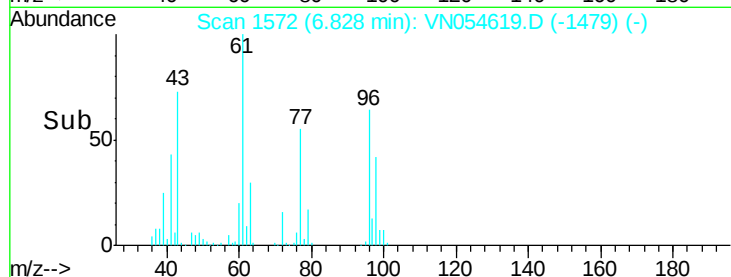
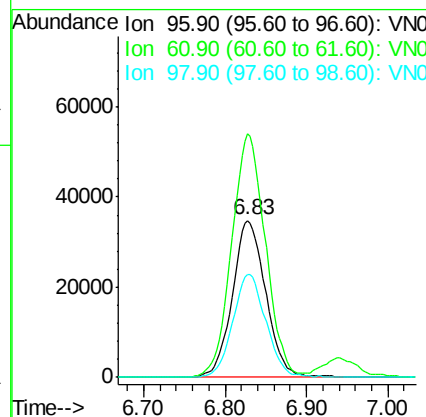
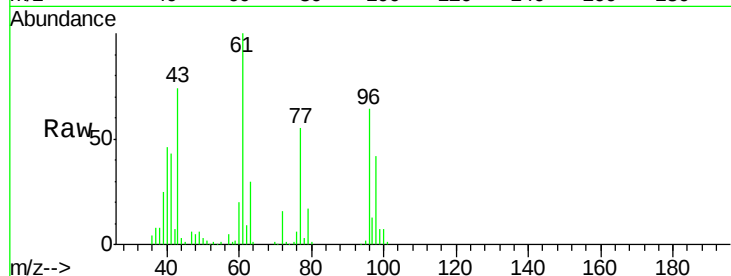
ClientSampleId :

VN0323MBS01

Tot Ion:	96	Resp:	98998
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	273.0
98	65.5	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.832 ug/l

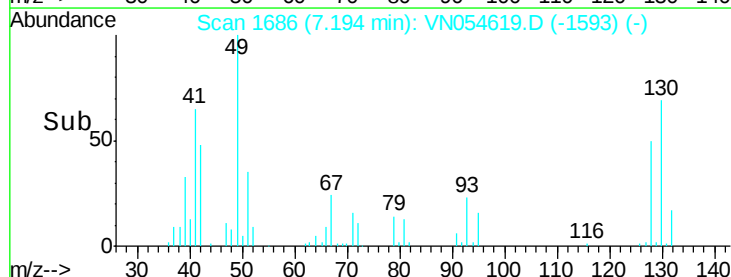
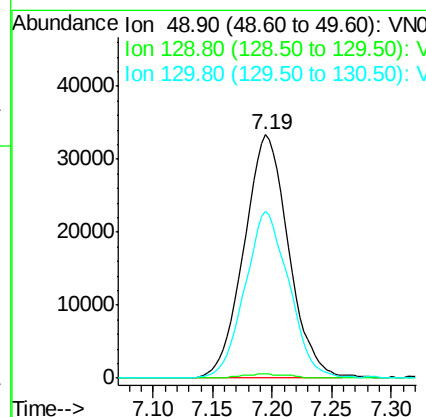
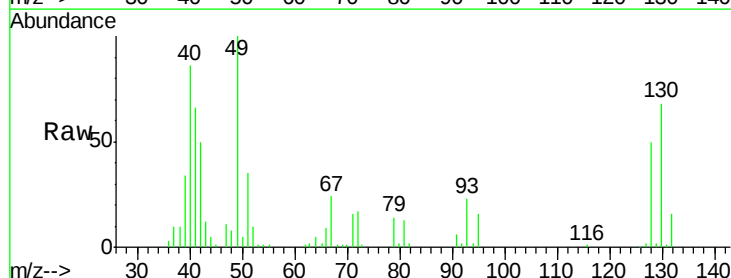
RT: 7.19 min Scan# 1686

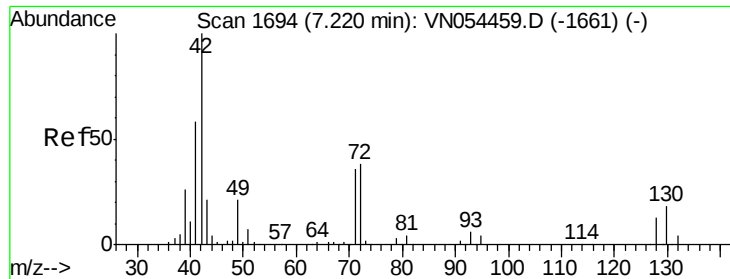
Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	49	Resp:	86500
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	67.9	76.7	115.1#





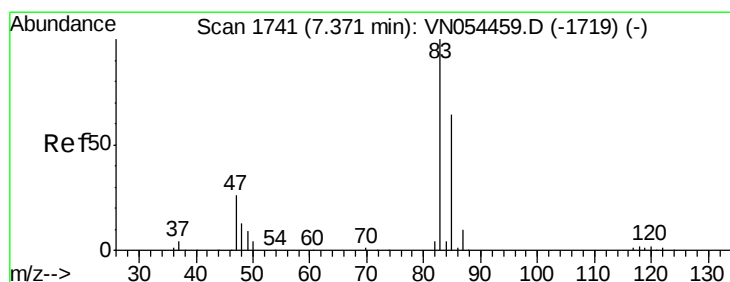
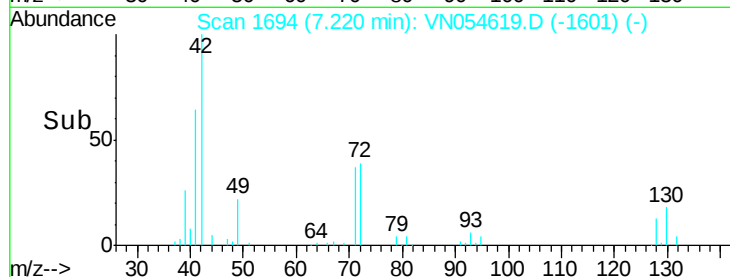
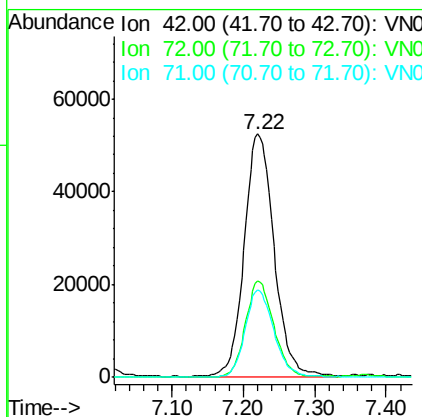
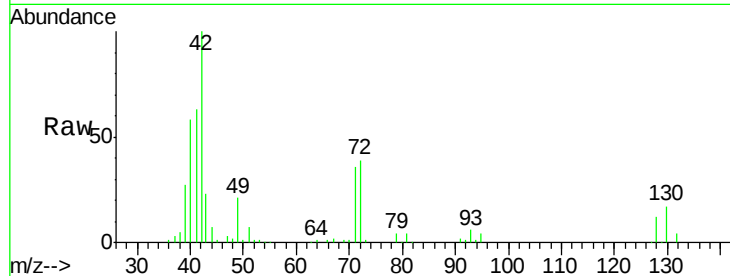
#29
Tetrahydrofuran
Concen: 123.217 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	37.8	56.6#
71	34.3	36.2	54.2#

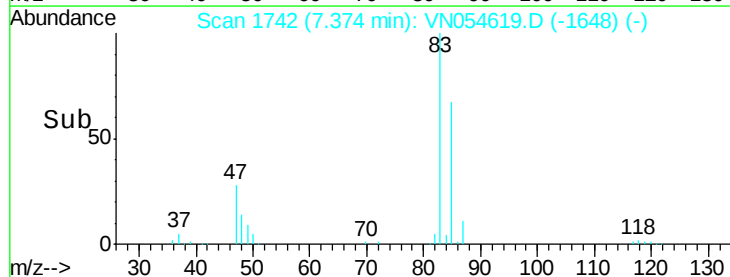
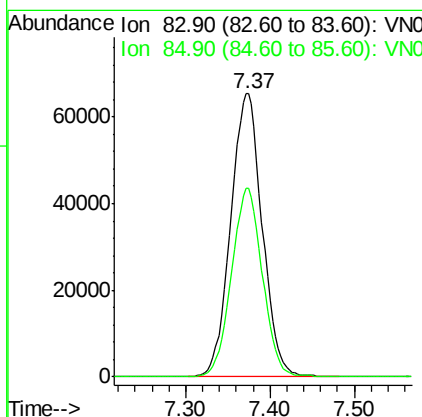
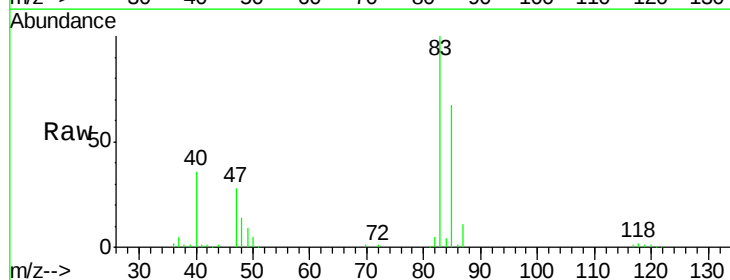
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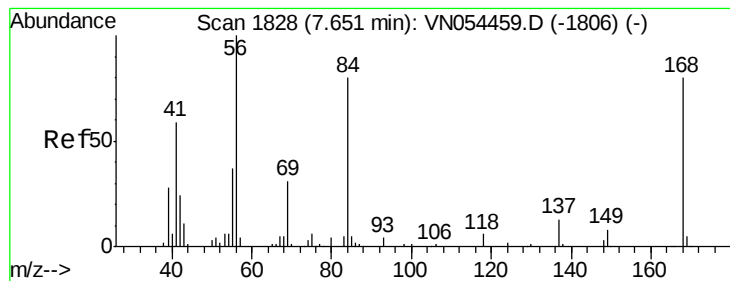
MMDadoda
3/25/2019 10:09:07 AM



#30
Chloroform
Concen: 22.628 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.2	78.4





#31

Cyclohexane

Concen: 21.220 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

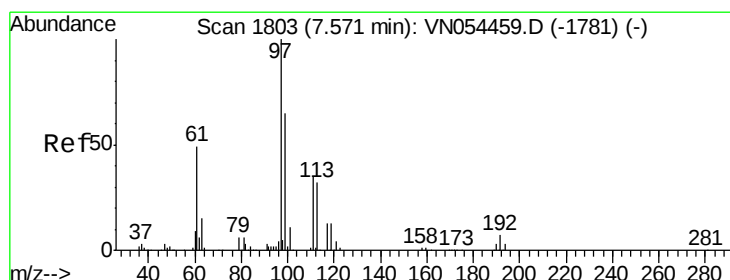
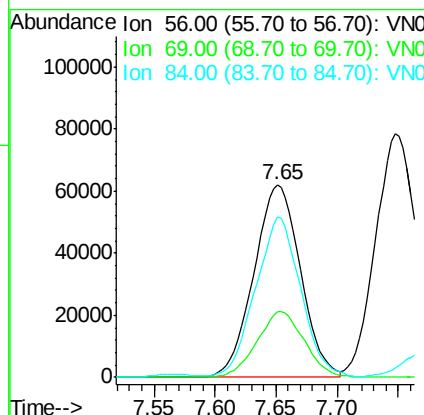
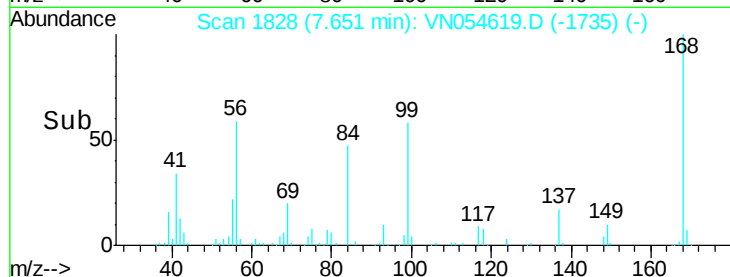
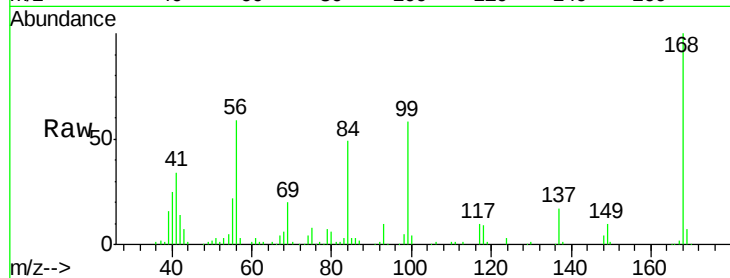
ClientSampleID :

VN0323MBSD01

Tot Ion:	56	Resp:	164384
Ion	Ratio	Lower	Upper
56	100		
69	34.1	27.8	41.6
84	82.1	74.6	111.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.398 ug/l

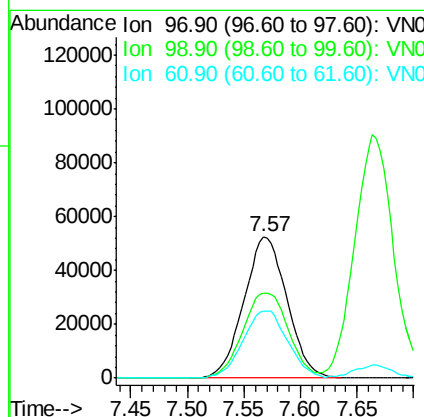
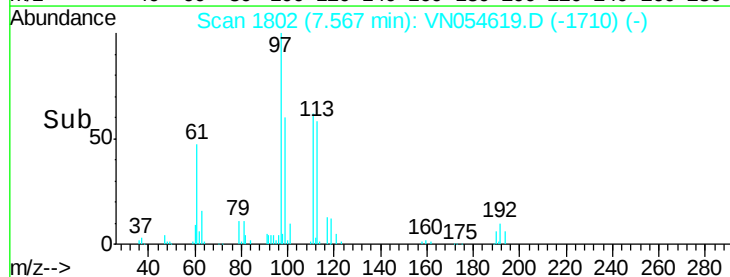
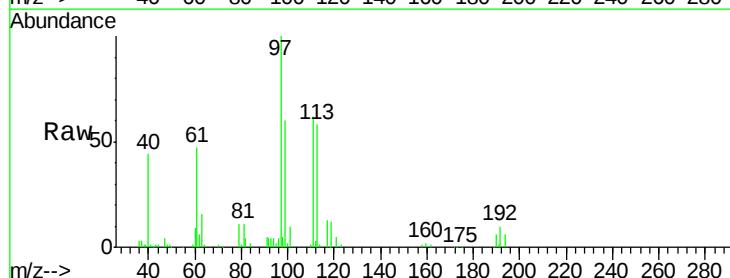
RT: 7.57 min Scan# 1802

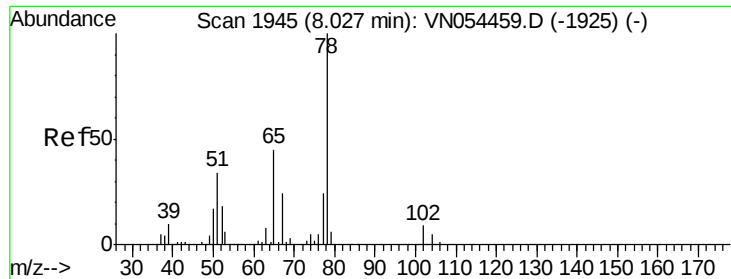
Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	97	Resp:	138799
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	49.3	33.6	50.4





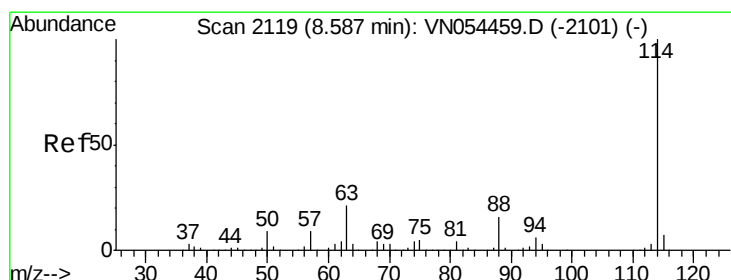
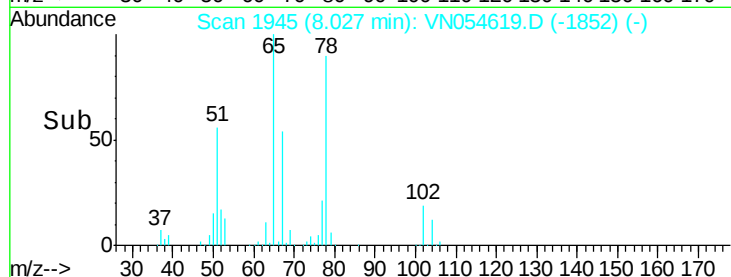
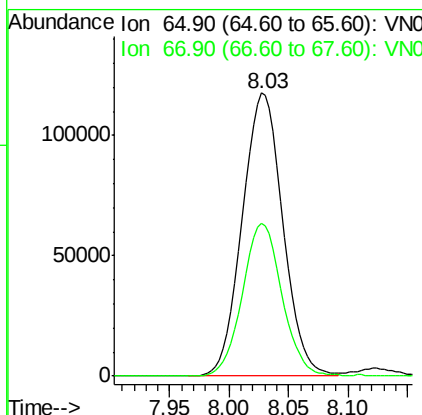
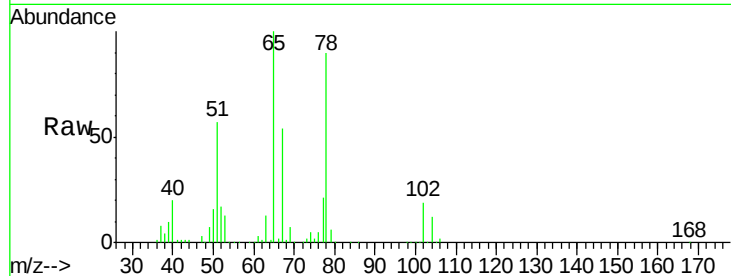
#33
 1,2-Dichloroethane-d4
 Concen: 56.157 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278712		
67	52.7	0.0	104.6	

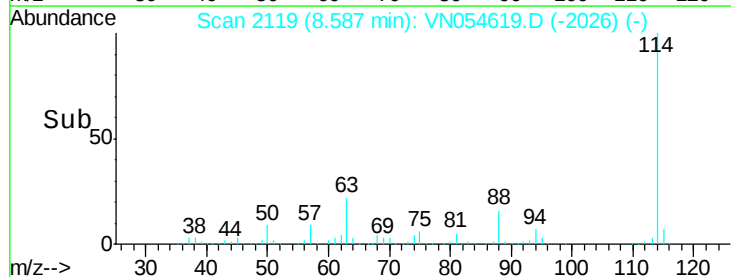
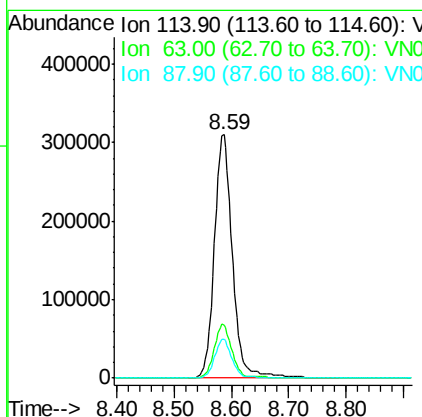
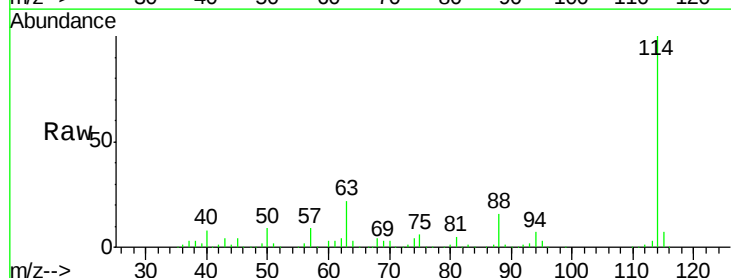
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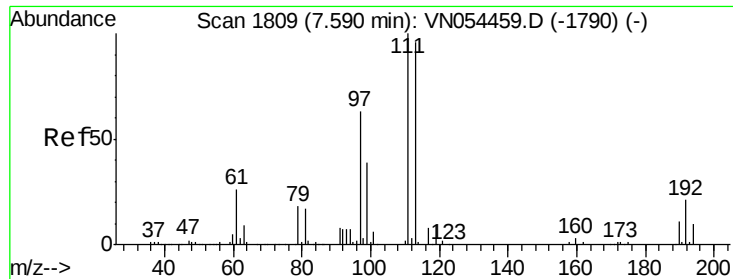
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	681323		
63	22.0	0.0	35.2	
88	16.0	0.0	30.2	





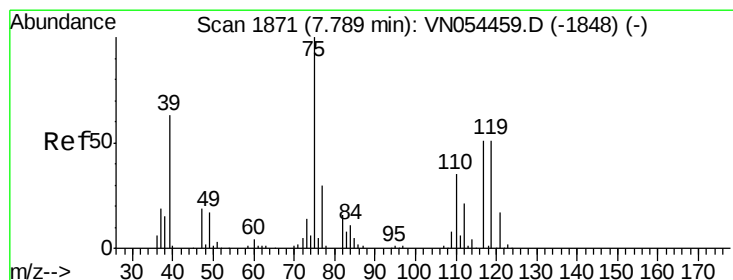
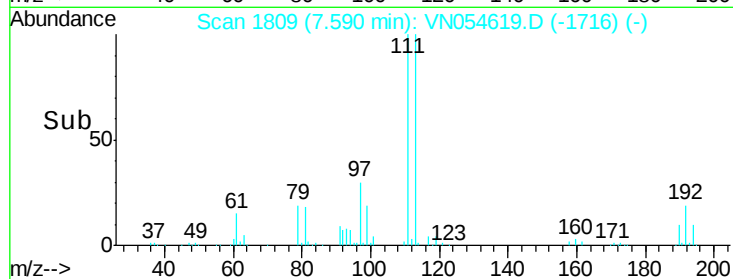
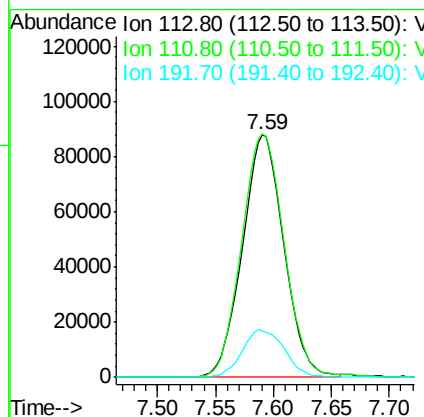
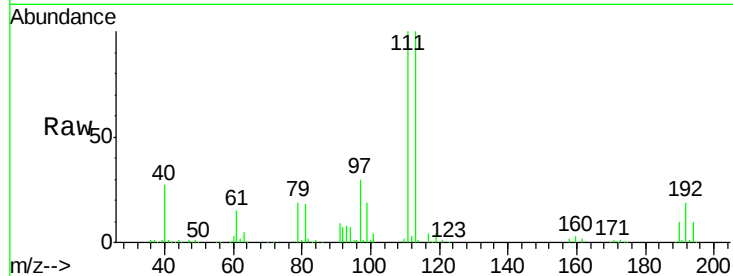
#35
 Dibromofluoromethane
 Concen: 49.841 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.2	123.4	
192	20.0	19.2	28.8	

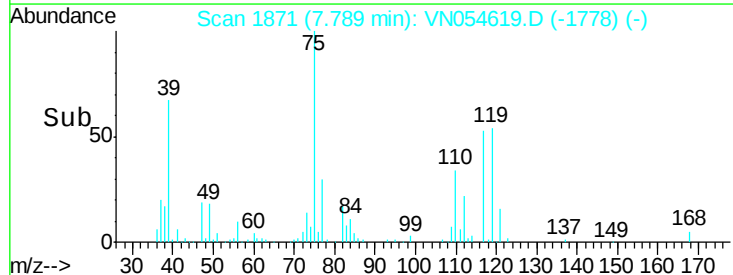
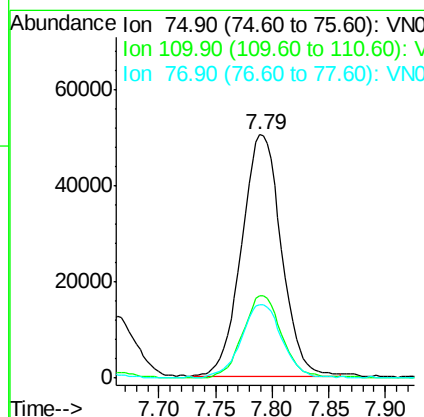
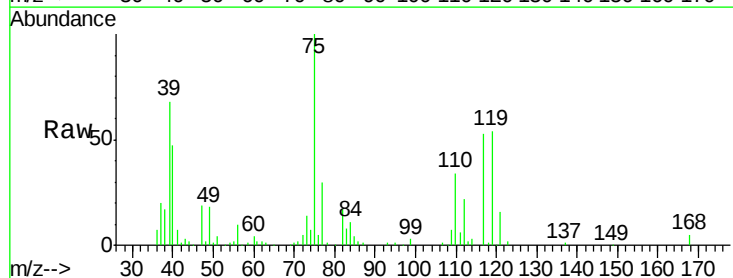
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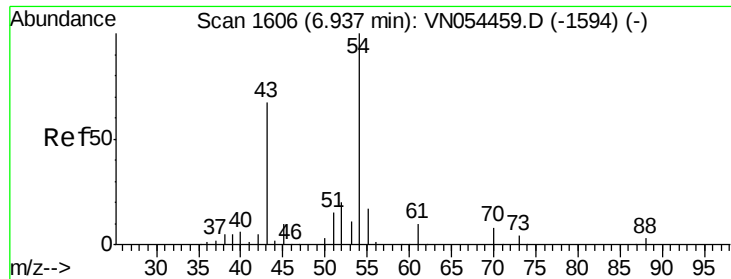
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#36
 1,1-Dichloropropene
 Concen: 19.262 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	19.1	57.5	
77	31.7	25.0	37.4	





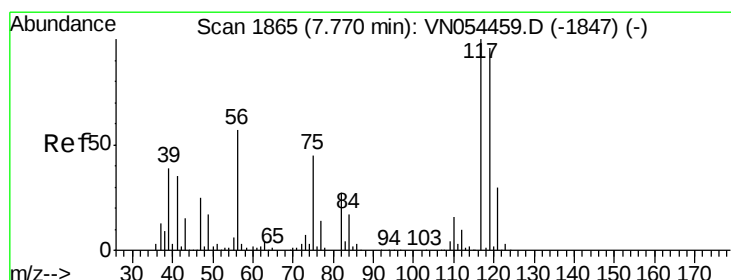
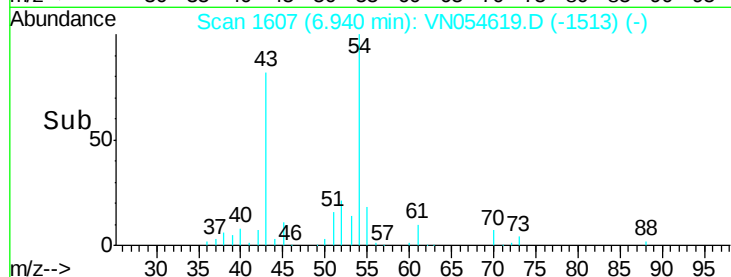
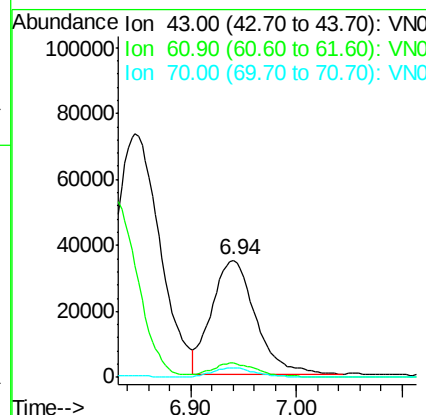
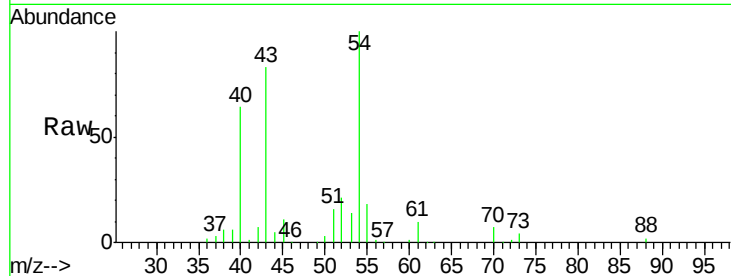
#37
Ethyl Acetate
Concen: 22.098 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.8	17.6
70	8.5	8.4	12.6

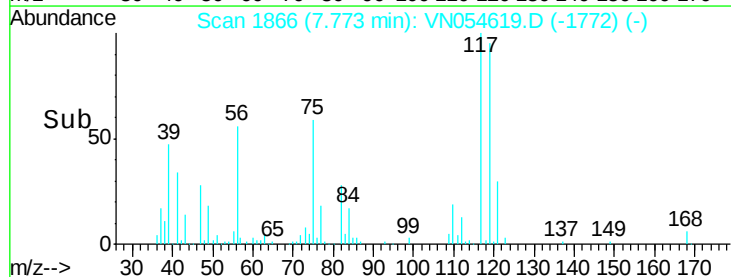
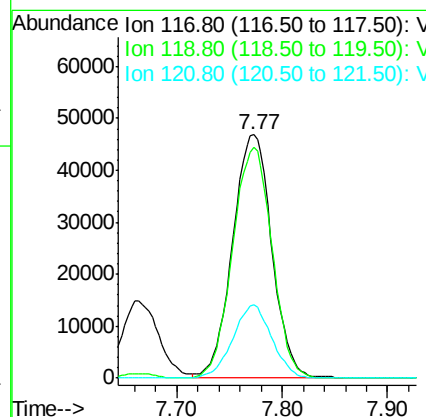
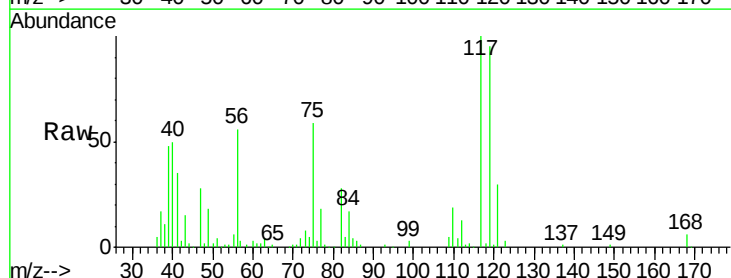
Manual Integrations
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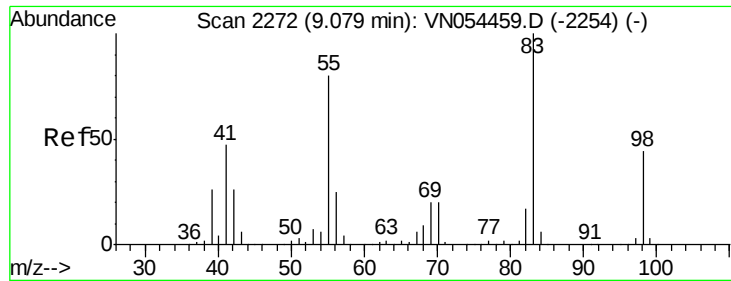
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#38
Carbon Tetrachloride
Concen: 19.575 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.3	114.5
121	30.1	24.6	36.8





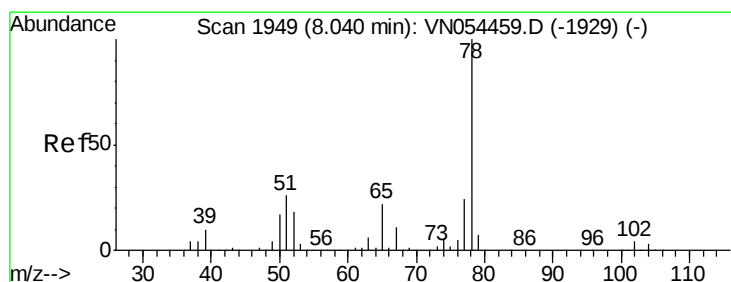
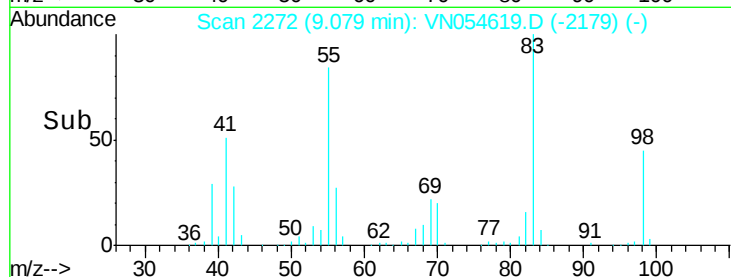
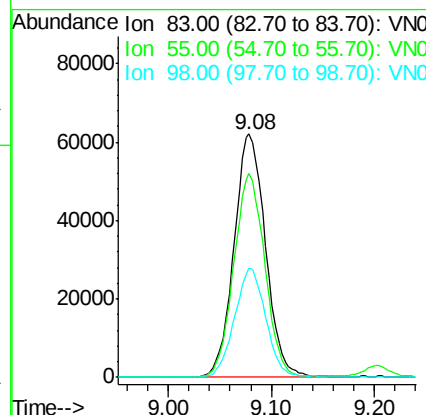
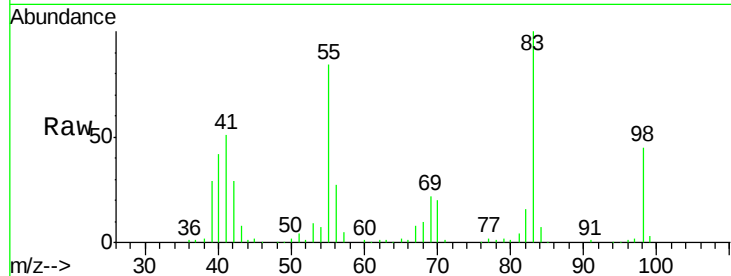
#39
Methvlcvclohexane
Concen: 18.156 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	56.6	84.8
98	44.7	38.4	57.6

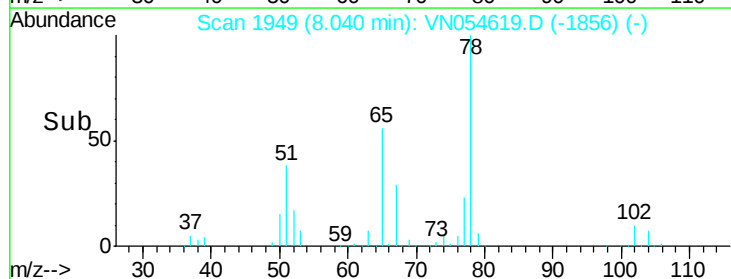
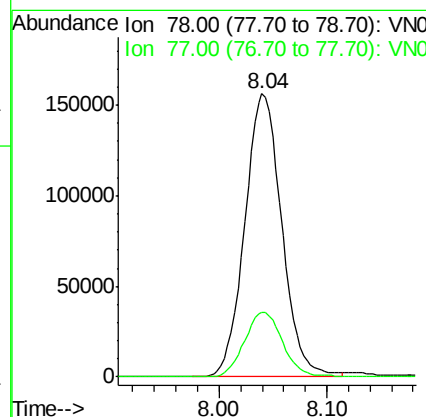
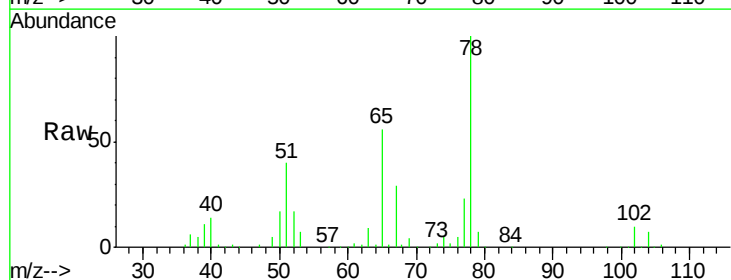
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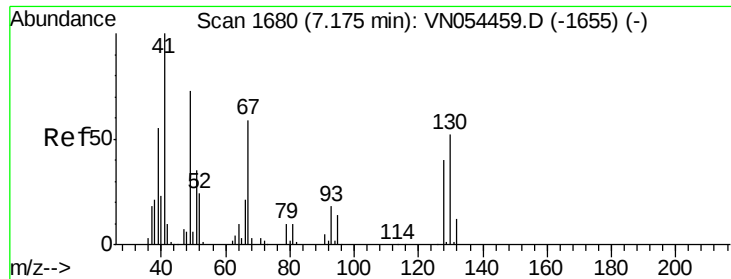
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#40
Benzene
Concen: 20.466 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





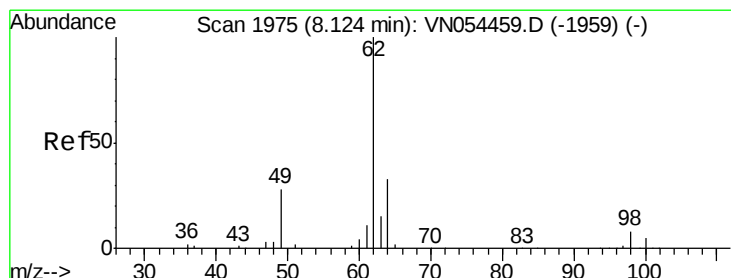
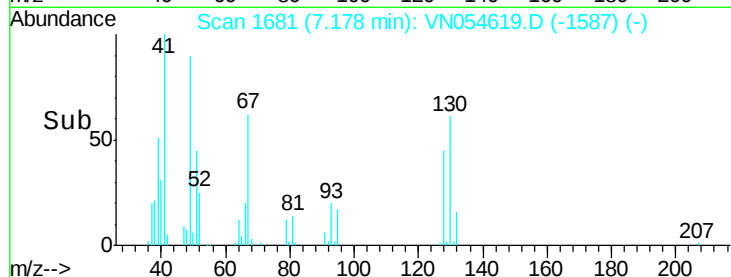
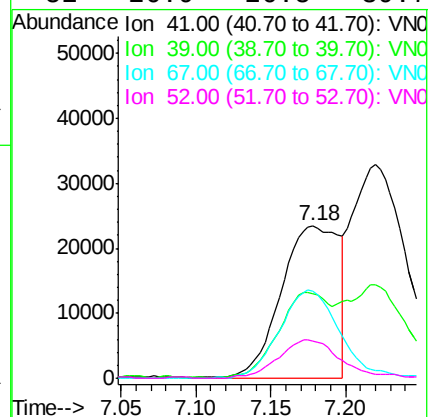
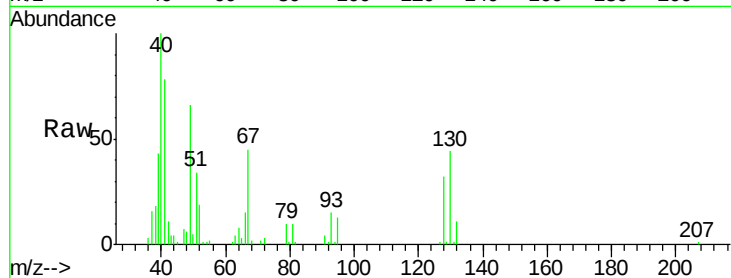
#41
Methacrylonitrile
Concen: 22.920 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.2	46.8	70.2	
67	60.1	67.0	100.4	
52	26.9	26.5	39.7	

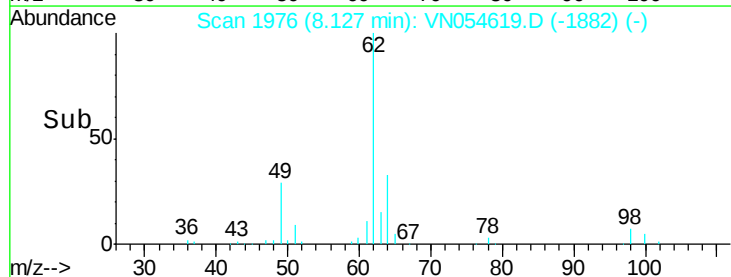
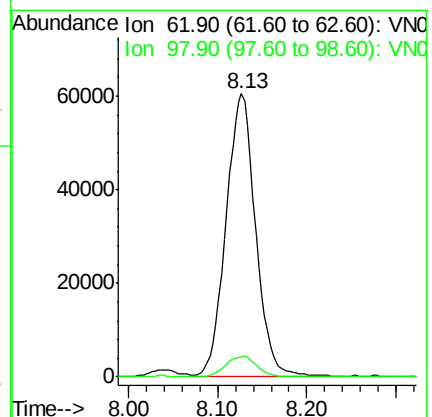
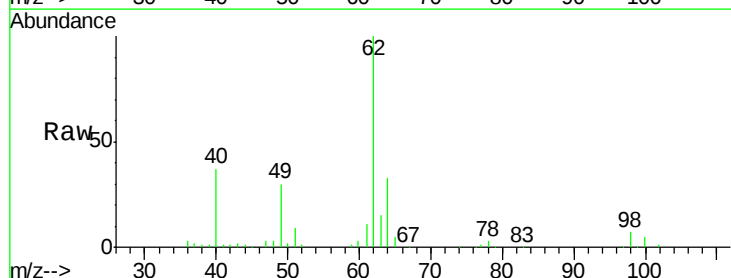
Manual Integrations
APPROVED

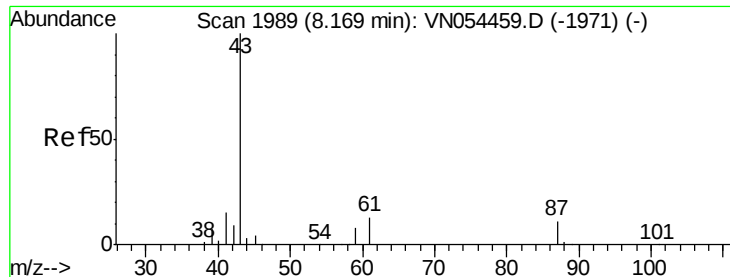
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.840 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	18.4	





#43

Isopropyl Acetate

Concen: 22.518 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

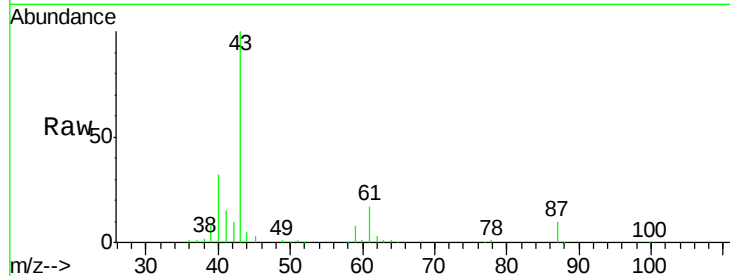
ClientSampleId :

VN0323MBS01

Tot Ion:	43	Resp:	172306
Ion	Ratio	Lower	Upper
43	100		
61	17.5	15.8	23.8
87	10.7	12.0	18.0#

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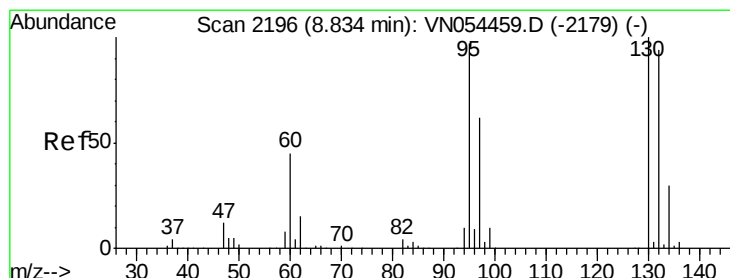
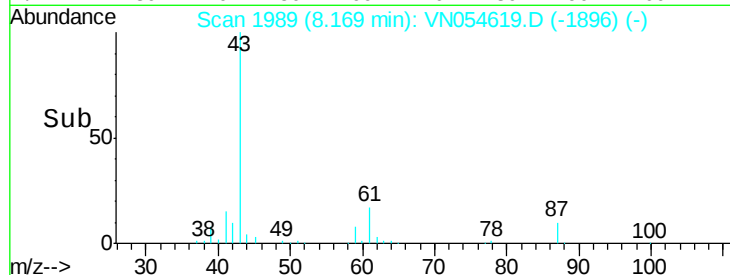
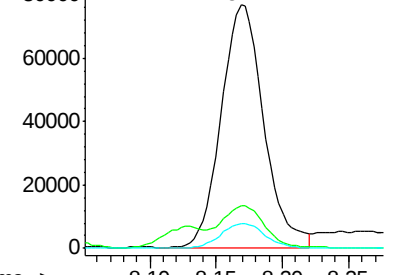
MMDadoda
3/25/2019 10:09:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 18.885 ug/l

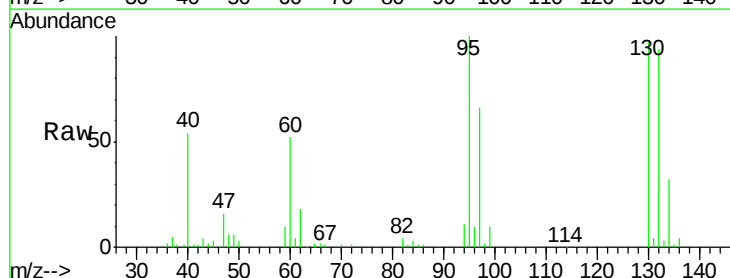
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054619.D

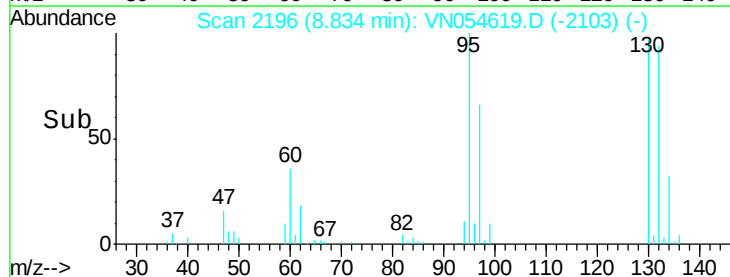
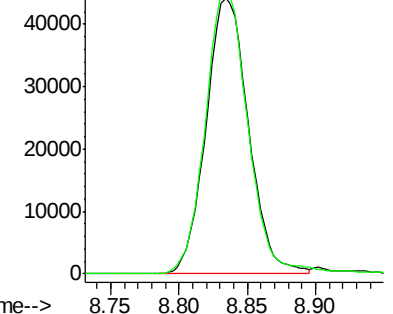
Acq: 23 Mar 2019 22:50

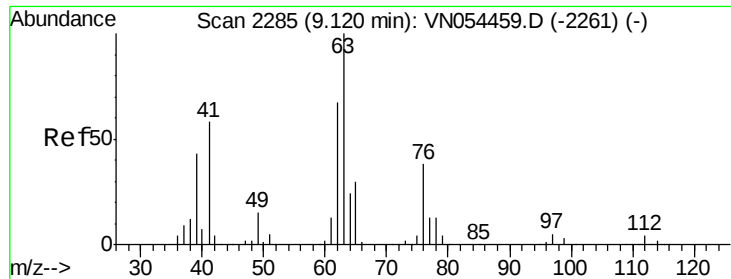
Tgt Ion:	130	Resp:	95642
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





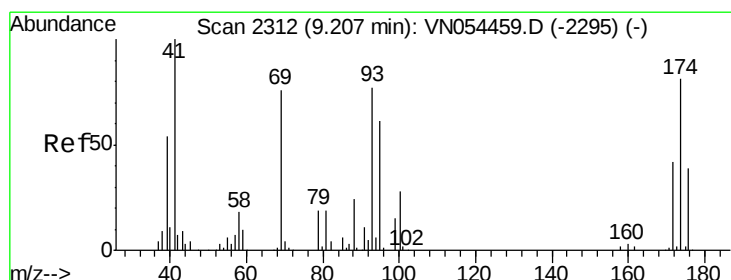
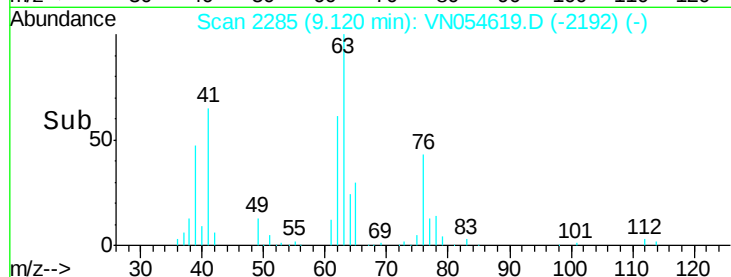
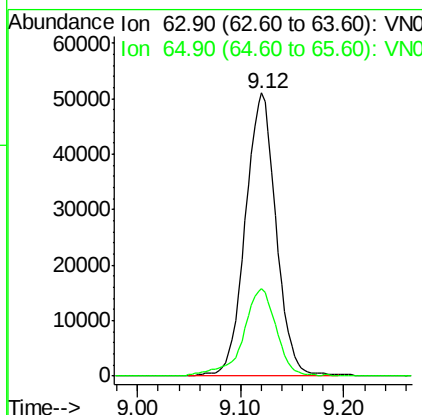
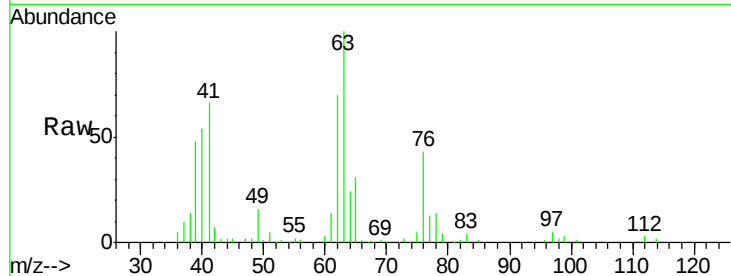
#45
 1,2-Dichloropropane
 Concen: 21.617 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion: 63 Resp: 105742
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

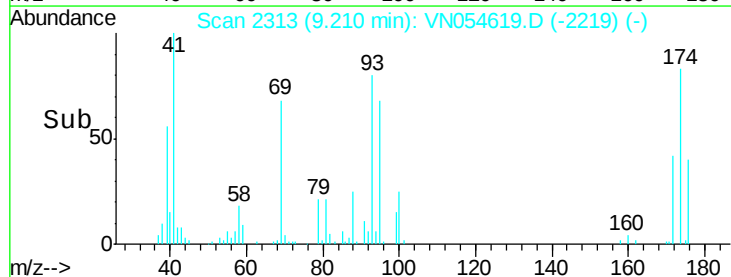
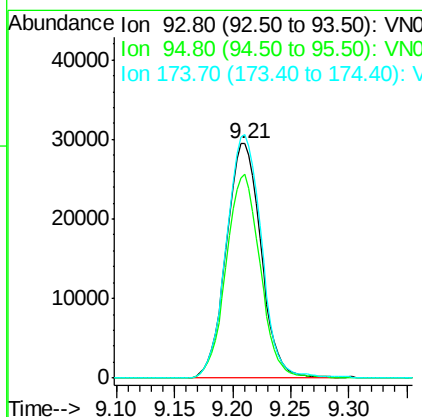
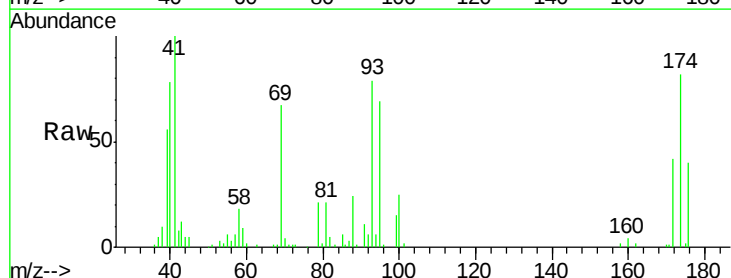
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#46
 Dibromomethane
 Concen: 20.982 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion: 93 Resp: 61229
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.7 100.1
 174 104.1 98.5 147.7





#47

Bromodichloromethane

Concen: 21.227 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

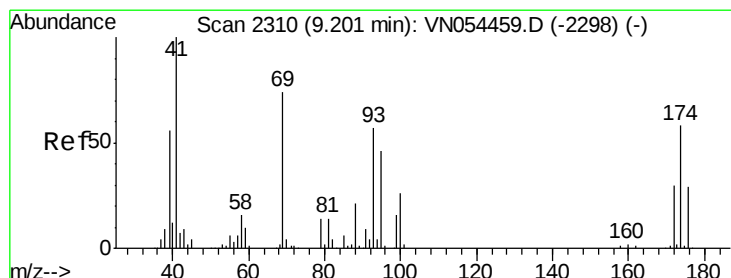
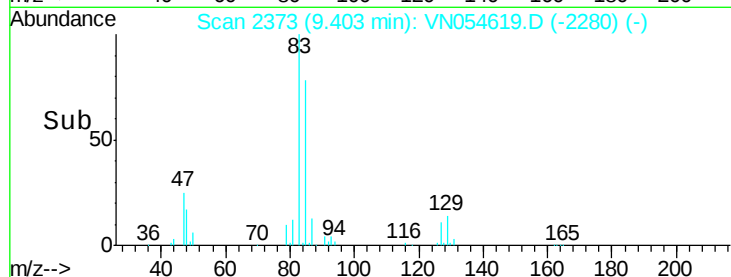
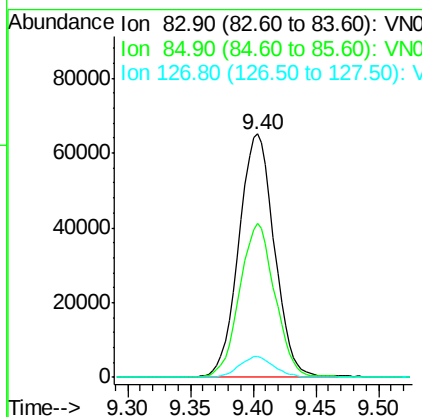
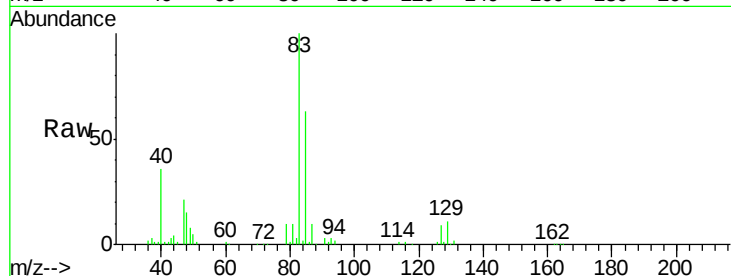
ClientSampleId :

VN0323MBS01

Tot Ion:	83	Resp:	128557
Ion Ratio	Lower	Upper	
83	100		
85	63.1	52.8	79.2
127	8.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.141 ug/l

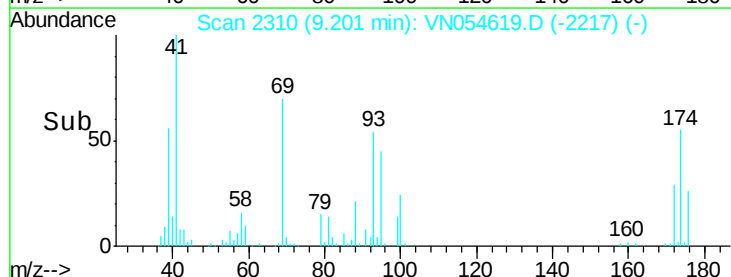
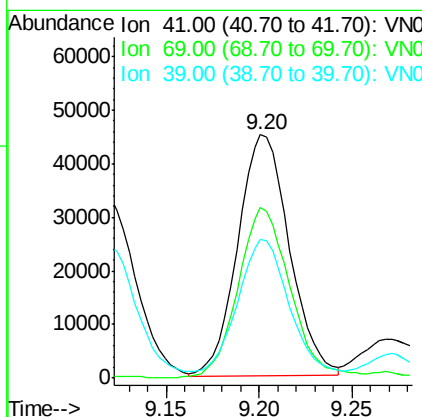
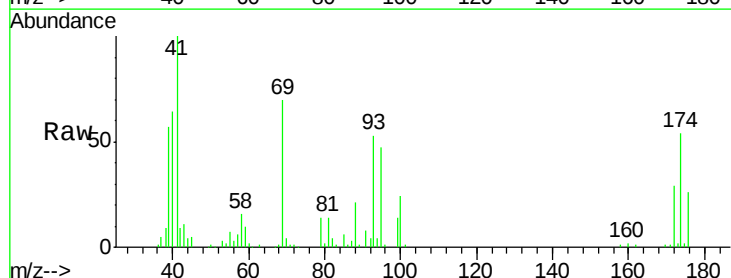
RT: 9.20 min Scan# 2310

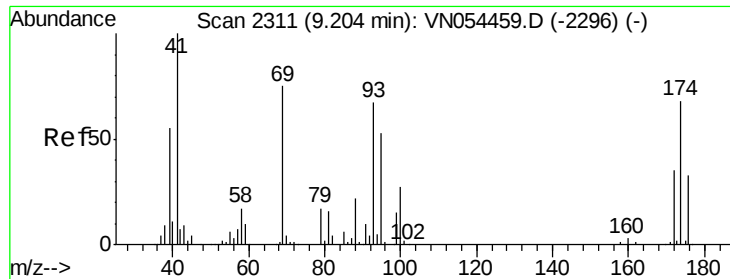
Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	41	Resp:	87804
Ion Ratio	Lower	Upper	
41	100		
69	71.3	72.6	108.8#
39	56.6	47.5	71.3





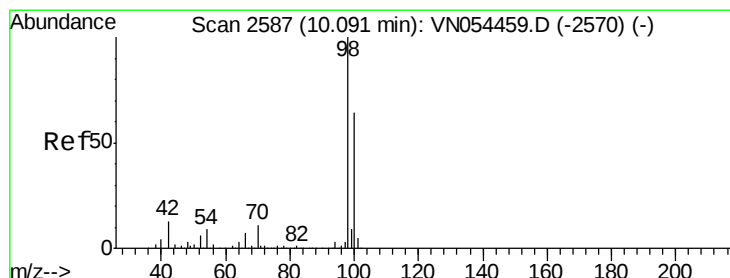
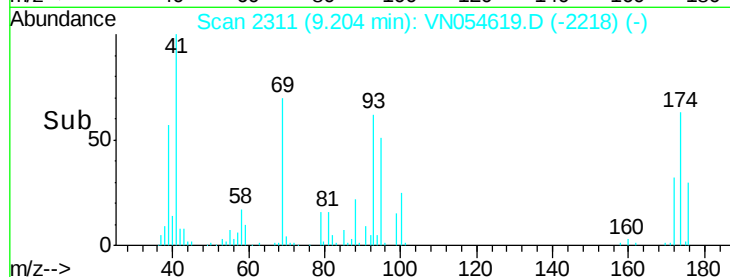
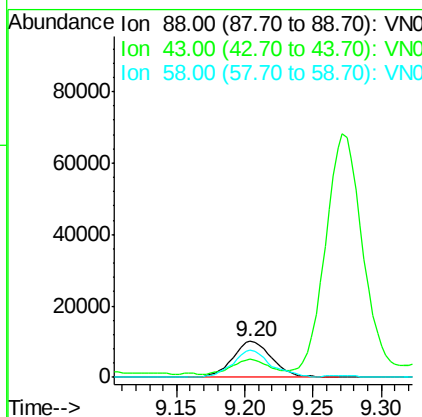
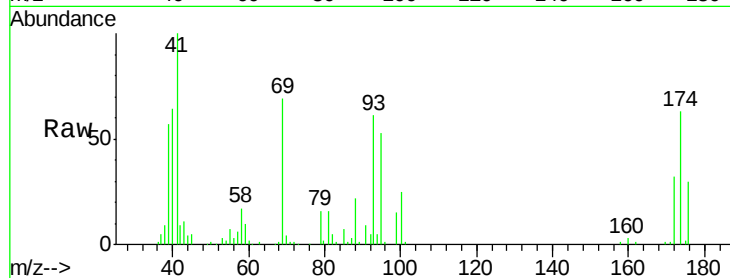
#49
1,4-Dioxane
Concen: 436.458 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	24.1	36.1#
58	72.8	50.8	76.2

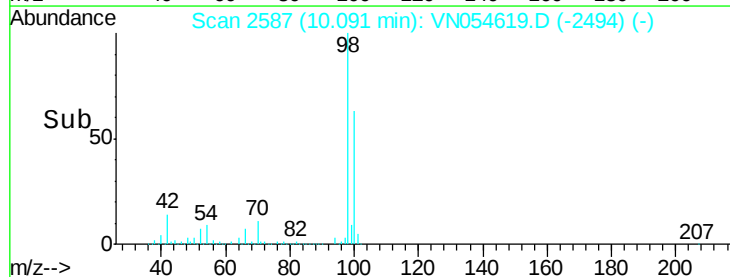
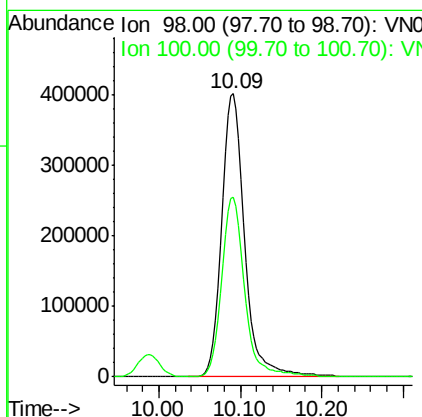
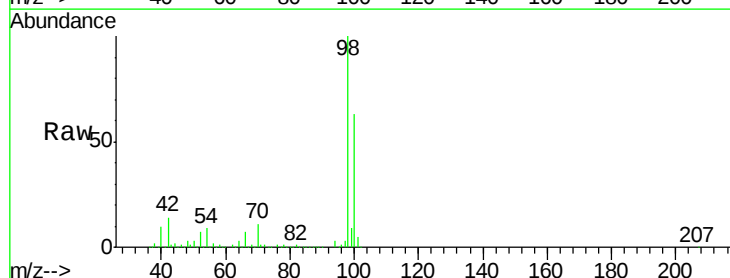
Manual Integrations
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#50
Toluene-d8
Concen: 48.751 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 113.752 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

Tot Ion: 43 Resp: 482395

Ion Ratio Lower Upper

43 100

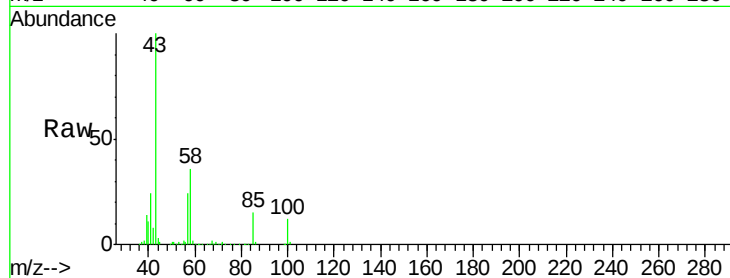
58 35.4 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

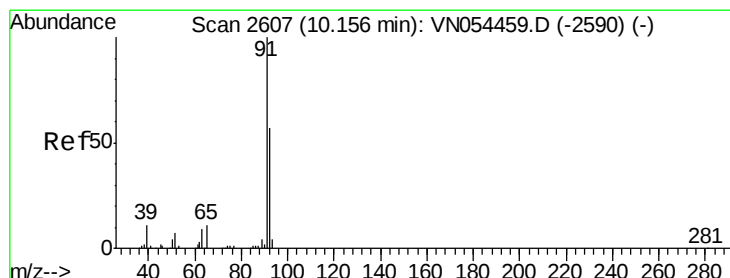
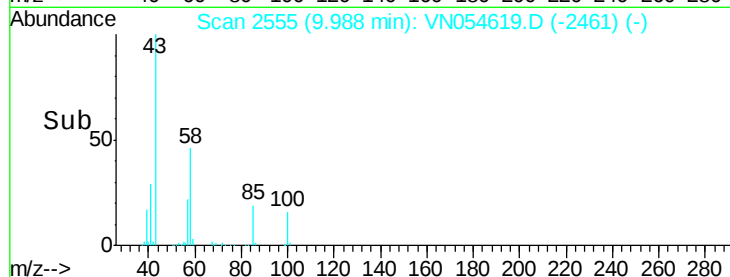
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.820 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054619.D

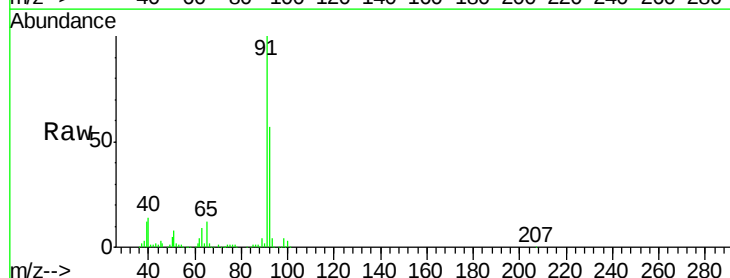
Acq: 23 Mar 2019 22:50

Tgt Ion: 92 Resp: 222070

Ion Ratio Lower Upper

92 100

91 177.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

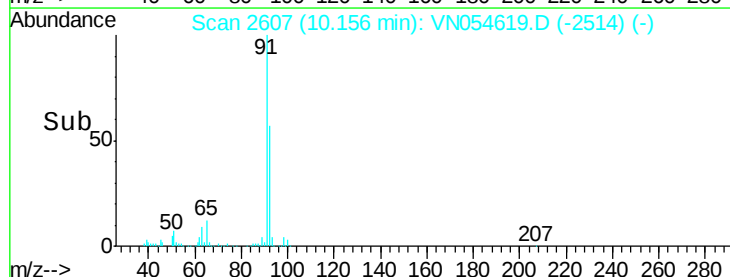
150000

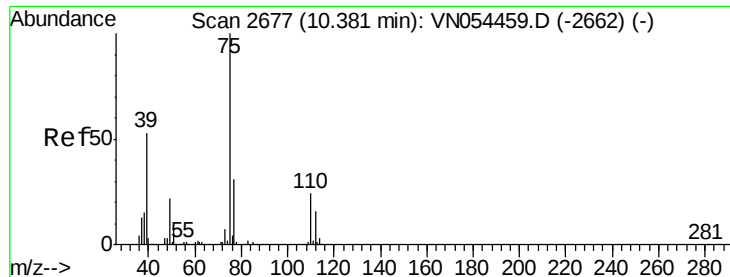
100000

50000

0

Time-->





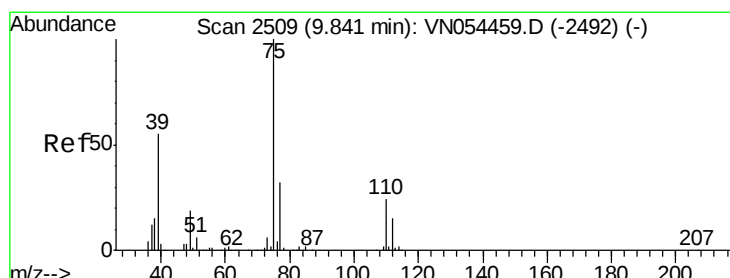
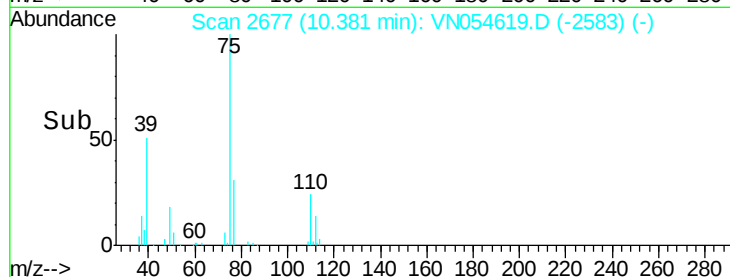
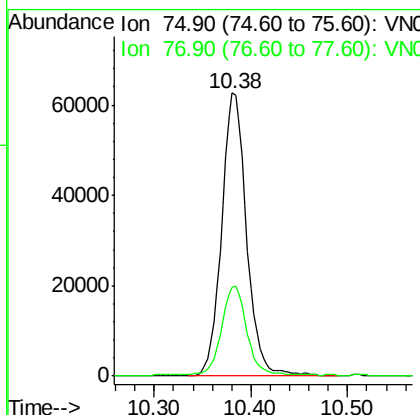
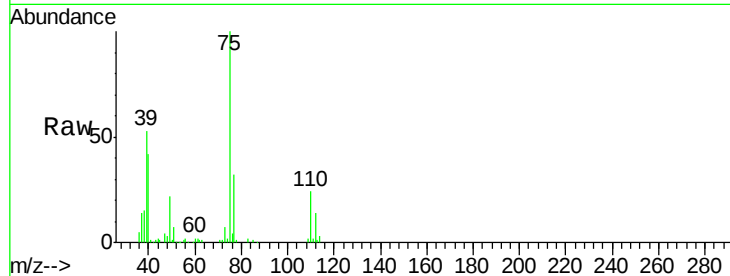
#53
t-1,3-Dichloropropene
Concen: 19.019 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampled :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.8

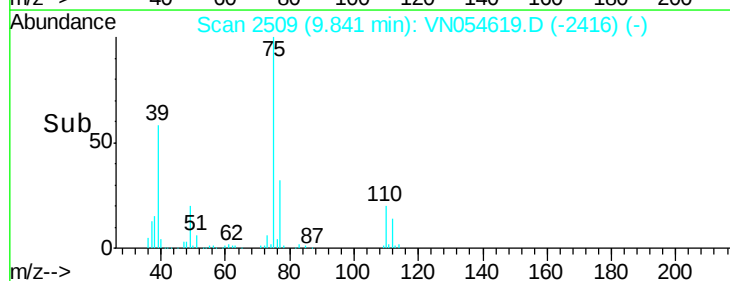
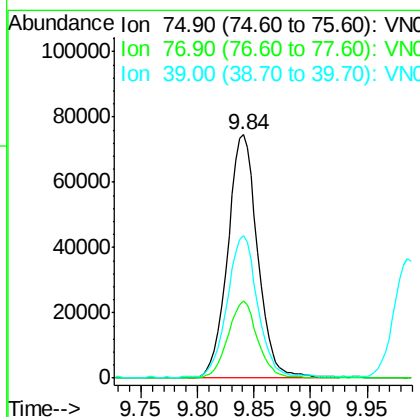
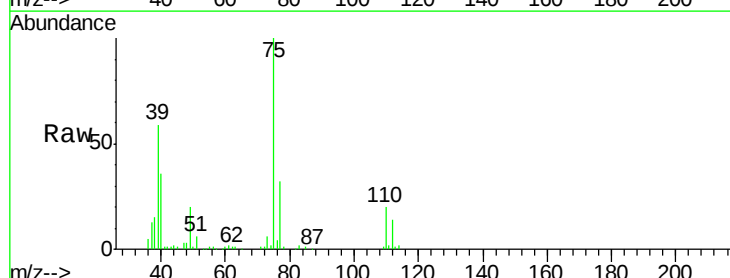
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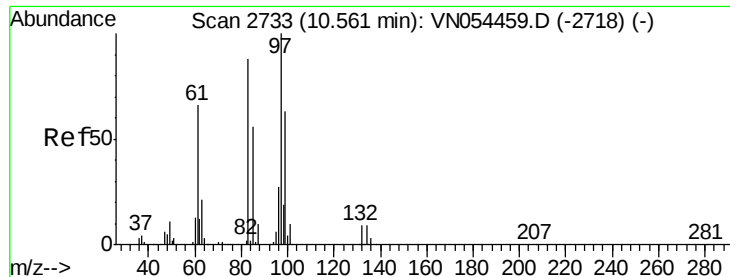
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#54
cis-1,3-Dichloropropene
Concen: 19.795 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	58.1	37.2	55.8#





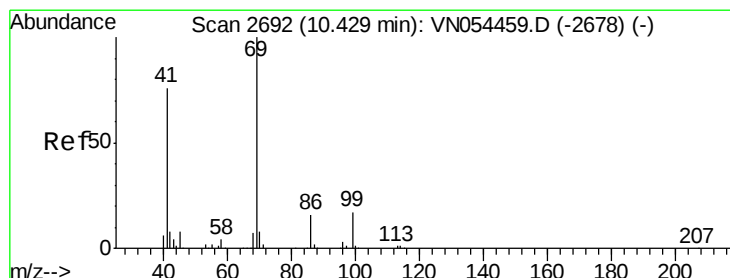
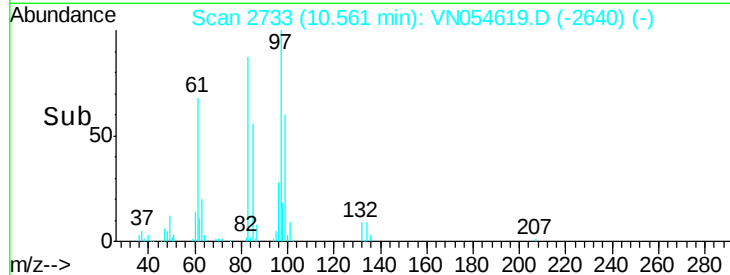
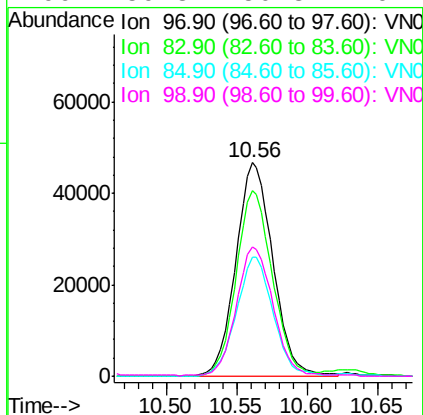
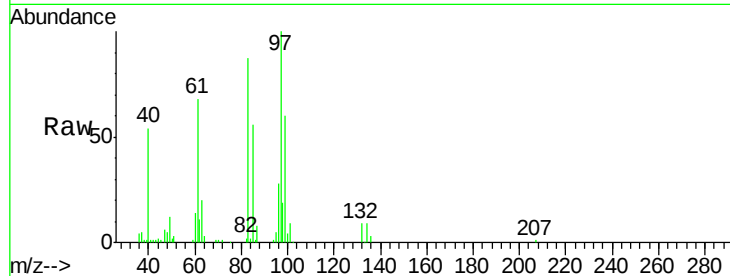
#55
 1,1,2-Trichloroethane
 Concen: 21.391 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion:	97	Resp:	86152
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.6	100.0
85	55.6	44.4	66.6
99	59.8	50.8	76.2

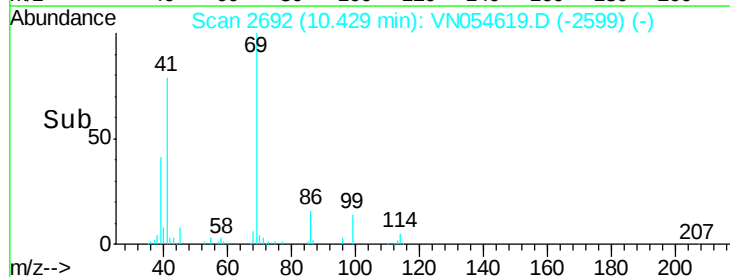
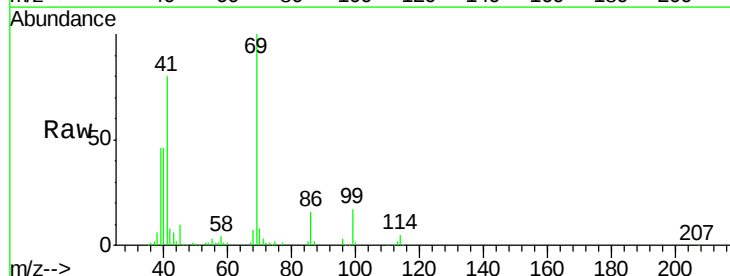
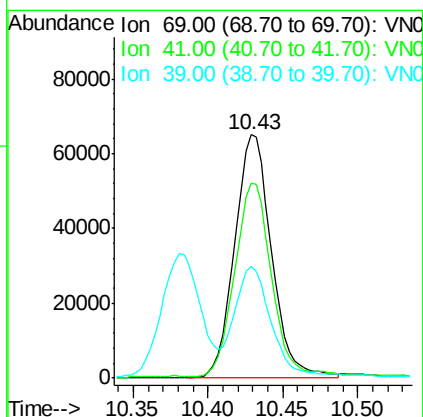
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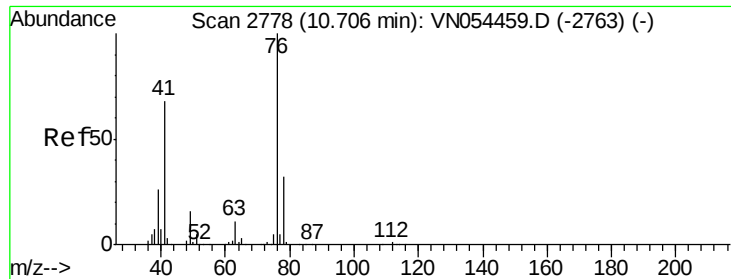
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#56
 Ethyl methacrylate
 Concen: 20.739 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion:	69	Resp:	112105
Ion	Ratio	Lower	Upper
69	100		
41	78.9	49.4	74.2#
39	45.5	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 21.294 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBSD01

Tot Ion: 76 Resp: 149080

Ion Ratio Lower Upper

76 100

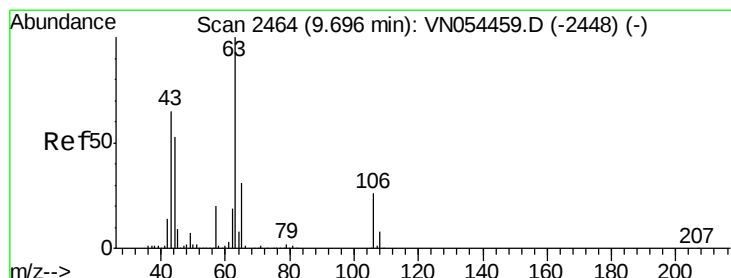
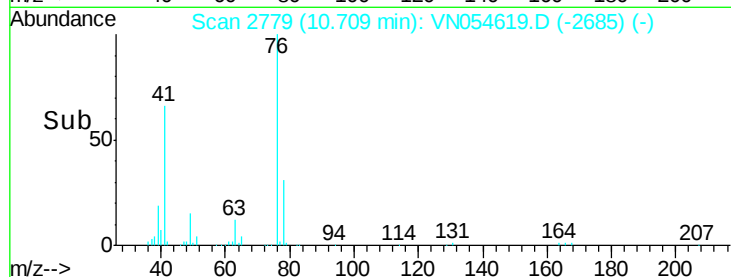
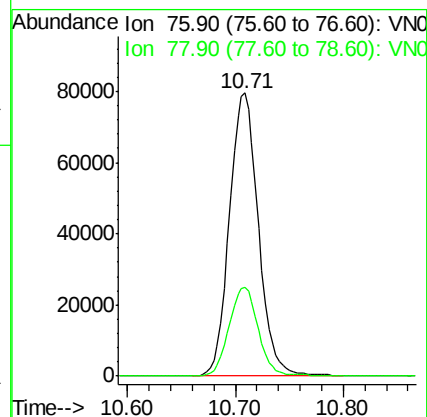
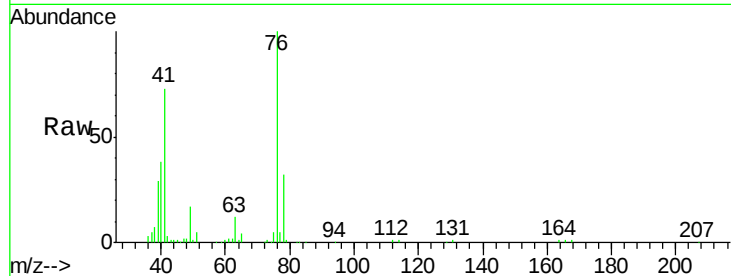
78 31.8 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.526 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054619.D

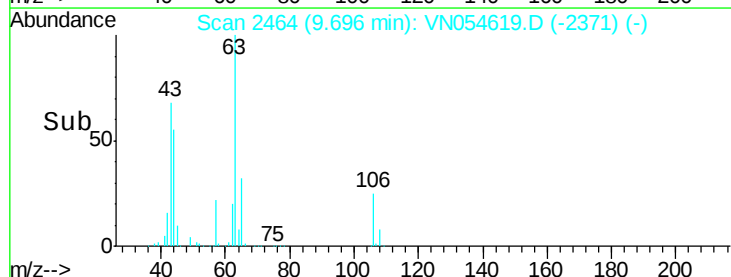
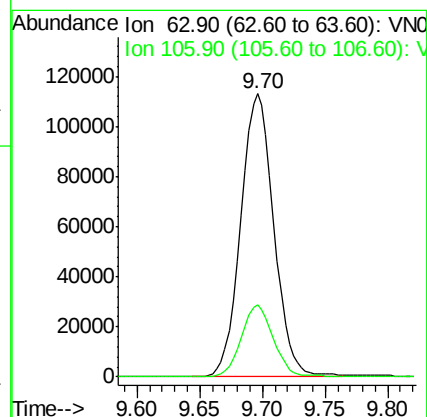
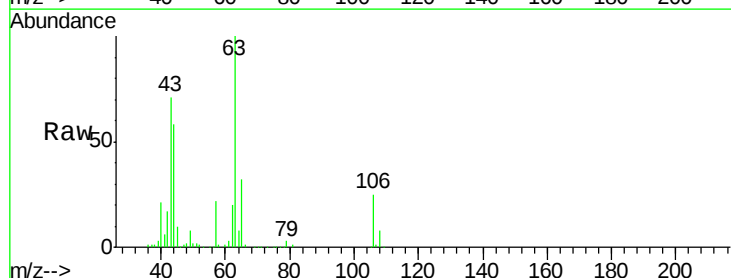
Acq: 23 Mar 2019 22:50

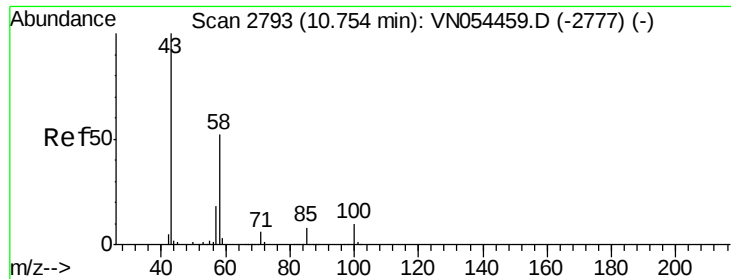
Tgt Ion: 63 Resp: 208182

Ion Ratio Lower Upper

63 100

106 24.5 24.4 36.6





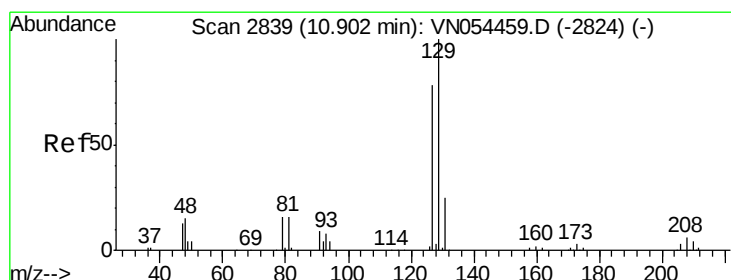
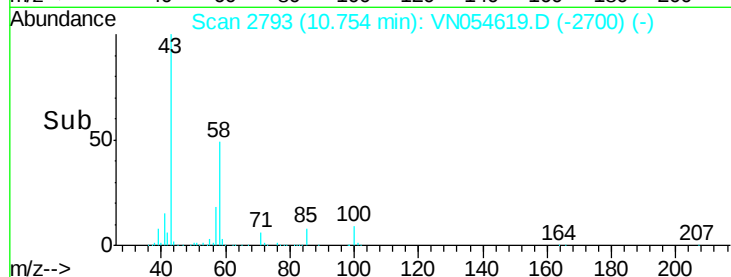
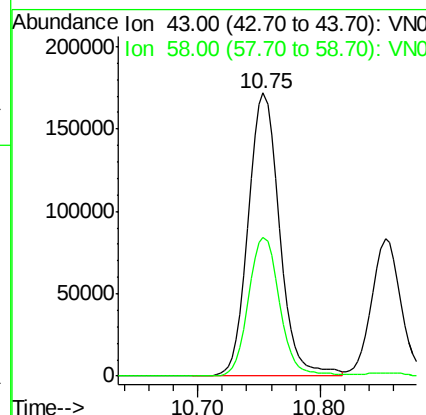
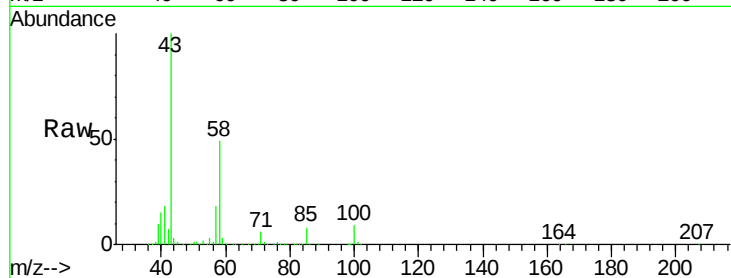
#59
2-Hexanone
Concen: 109.080 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	43	Resp	302152
Ion Ratio	100	Lower	Upper
43	100		
58	49.4	28.0	83.9

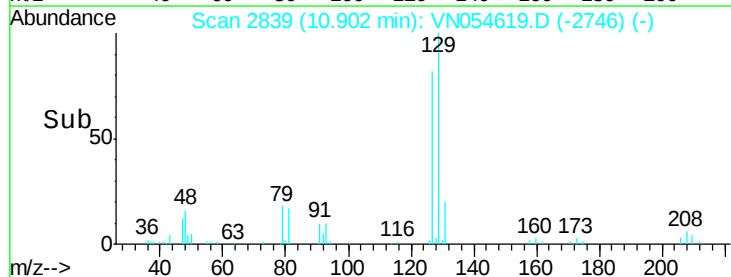
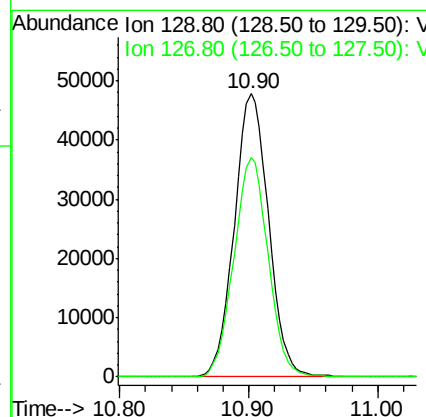
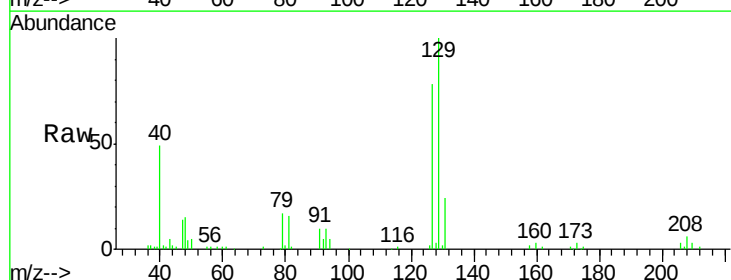
Manual Integrations
APPROVED

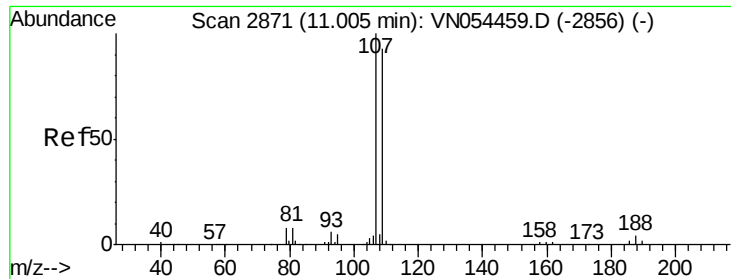
MMDadoda
3/25/2019 10:09:07 AM



#60
Dibromochloromethane
Concen: 20.591 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	129	Resp	88243	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.5	38.6	115.8	





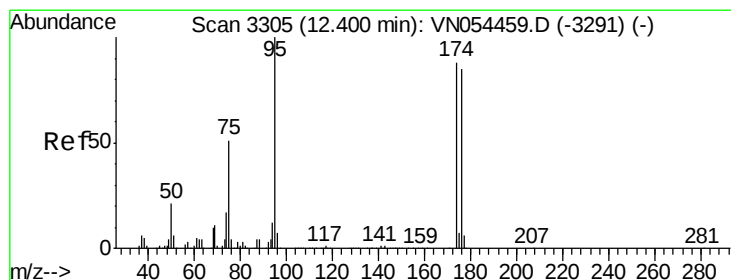
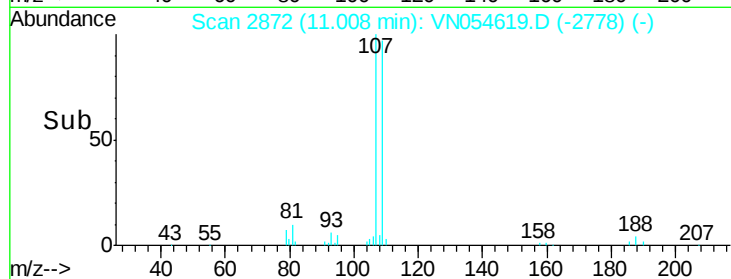
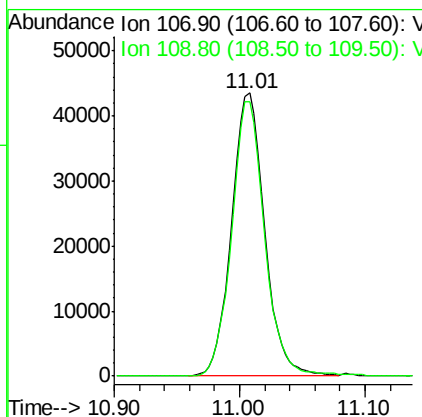
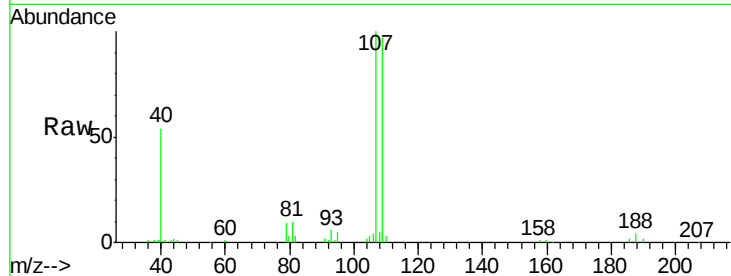
#61
 1,2-Dibromoethane
 Concen: 20.051 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.9	113.9

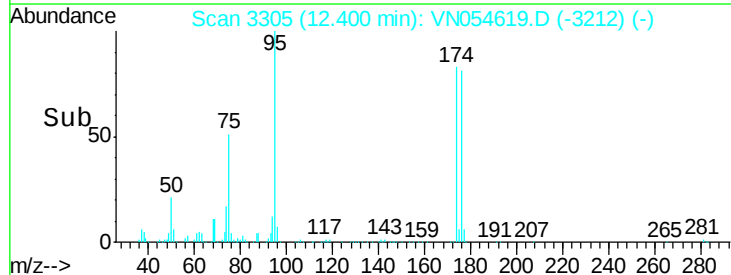
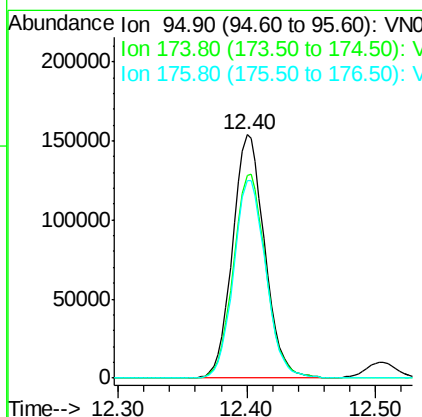
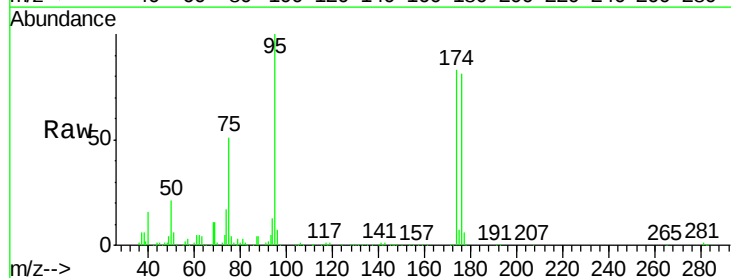
Manual Integrations
 APPROVED

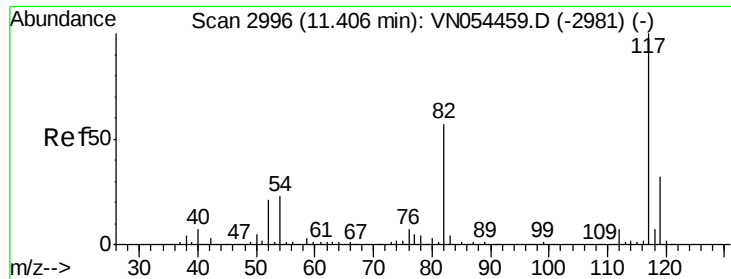
MMDadoda
 3/25/2019 10:09:07 AM



#62
 4-Bromofluorobenzene
 Concen: 47.465 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	191.0
176	81.5	0.0	187.4





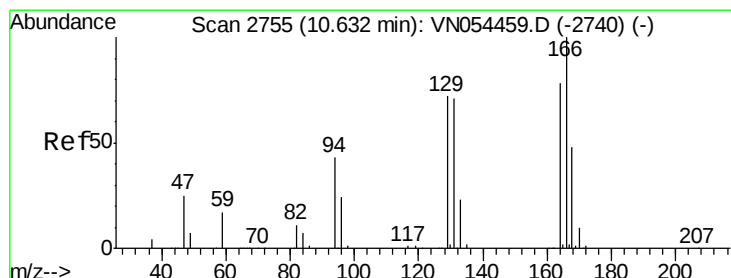
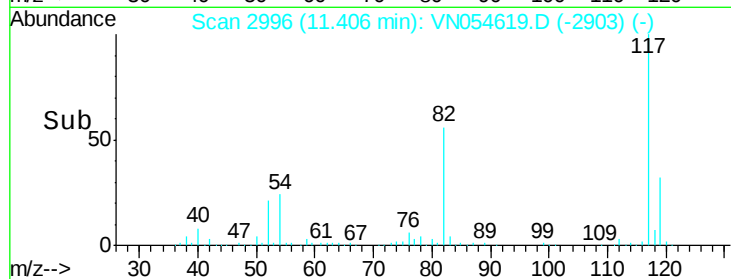
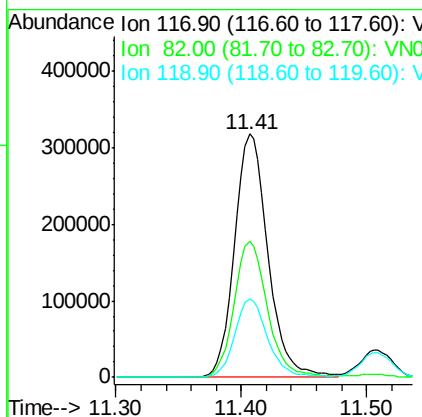
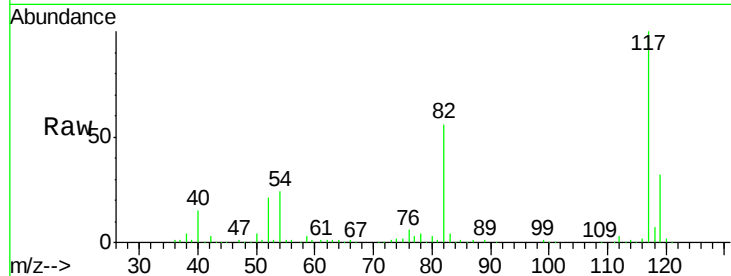
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	40.0	60.0
119	32.1	25.8	38.6

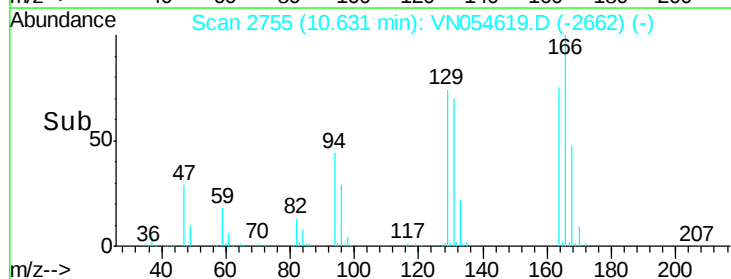
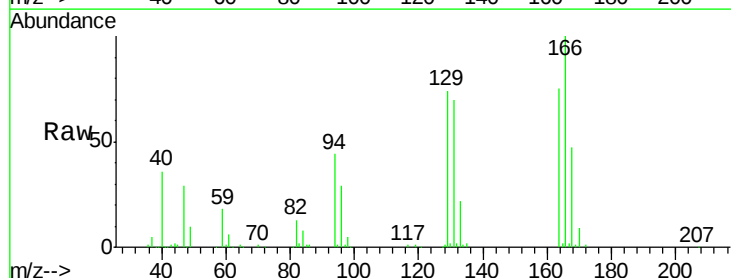
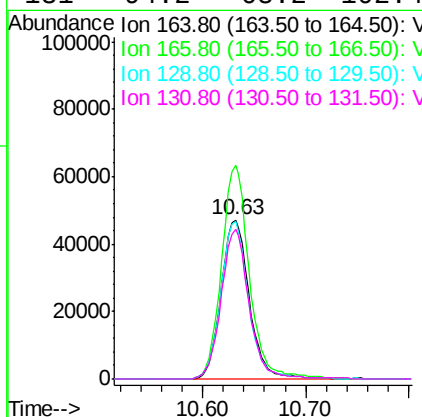
Manual Integrations
APPROVED

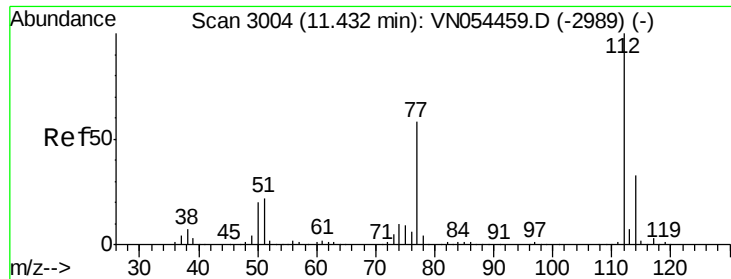
MMDadoda
3/25/2019 10:09:07 AM



#64
Tetrachloroethene
Concen: 18.371 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.1	103.9	155.9
129	98.7	71.1	106.7
131	94.2	68.2	102.4





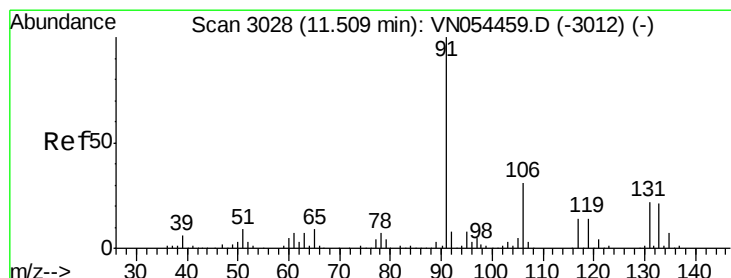
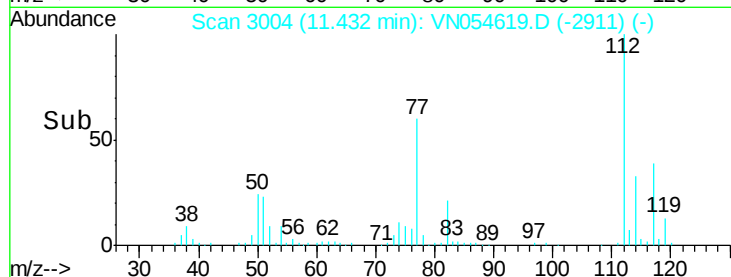
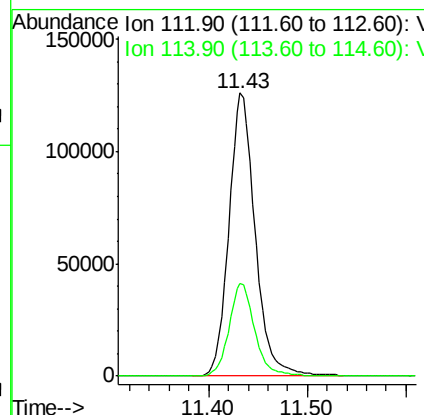
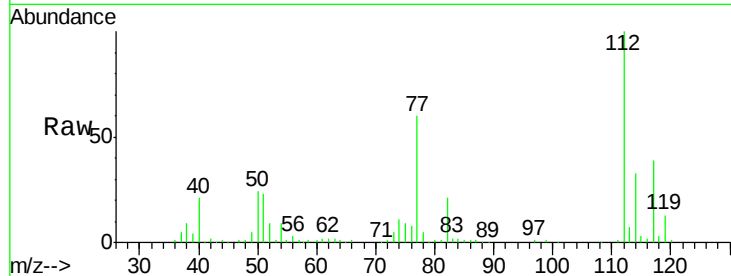
#65
Chlorobenzene
Concen: 19.566 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion:112 Resp: 234791
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

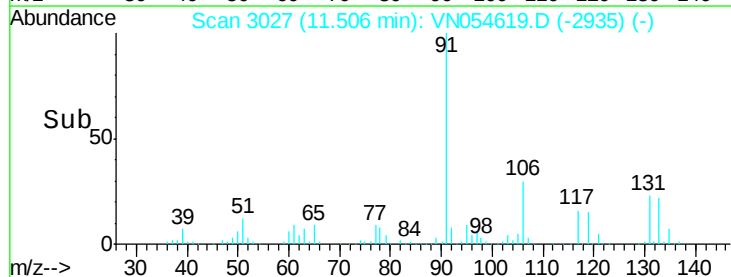
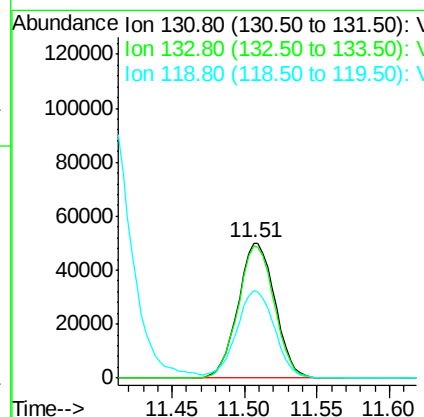
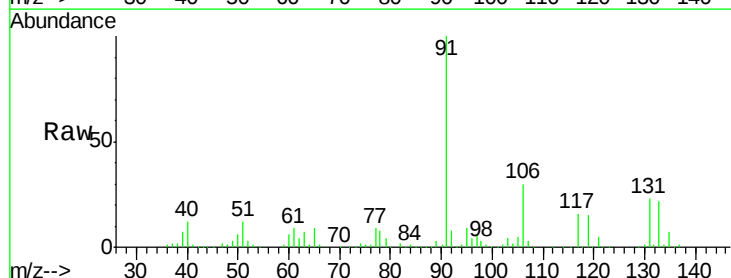
Manual Integrations
APPROVED

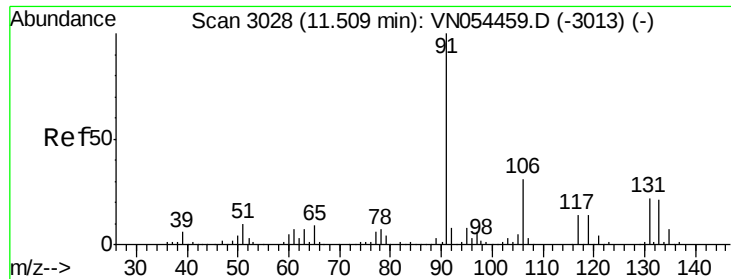
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.669 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion:131 Resp: 89024
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.5 32.4 97.0





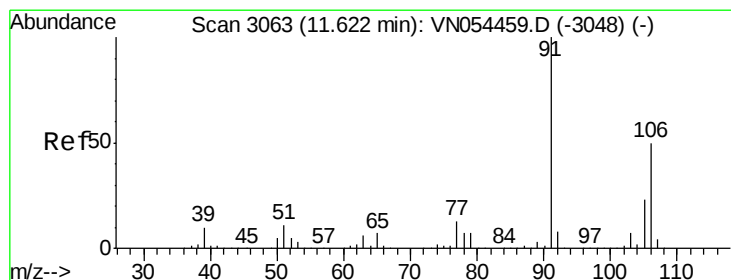
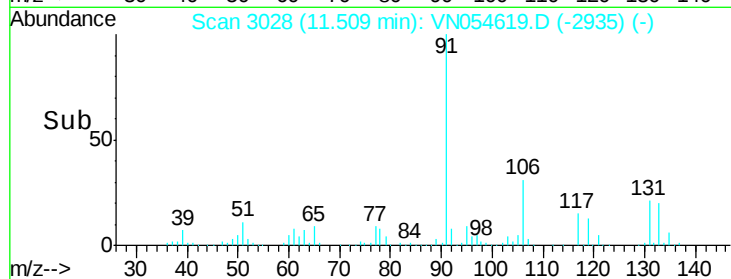
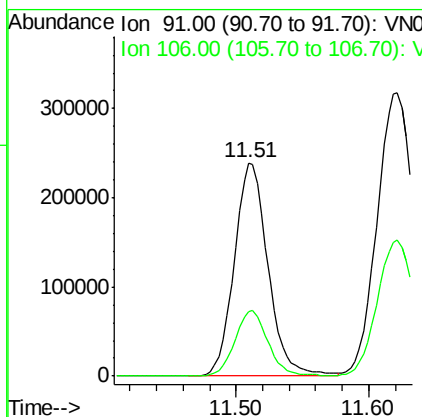
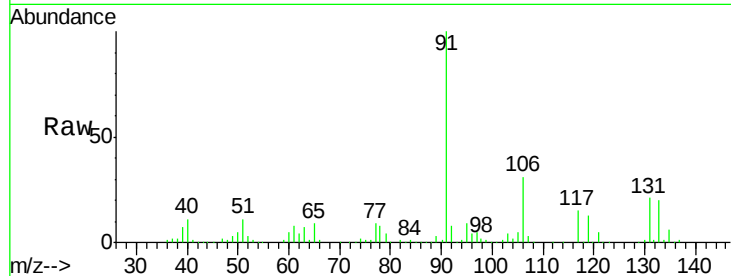
#67
Ethyl Benzene
Concen: 19.910 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampled :
VN0323MBSD01

Tot Ion: 91 Resp: 422035
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

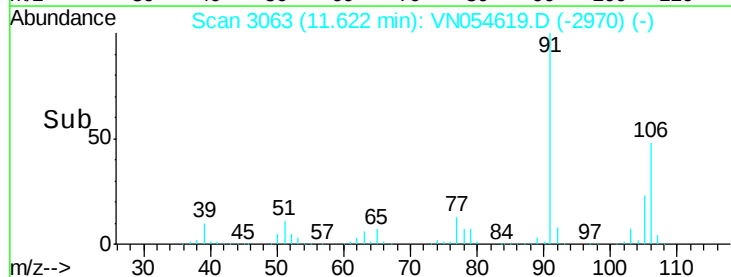
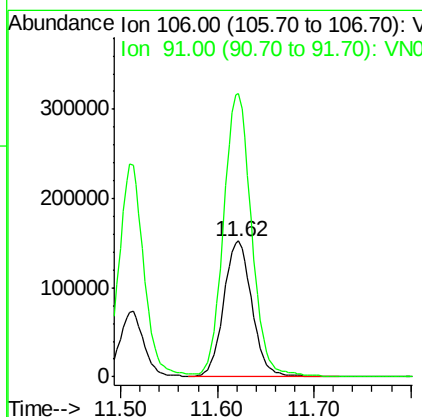
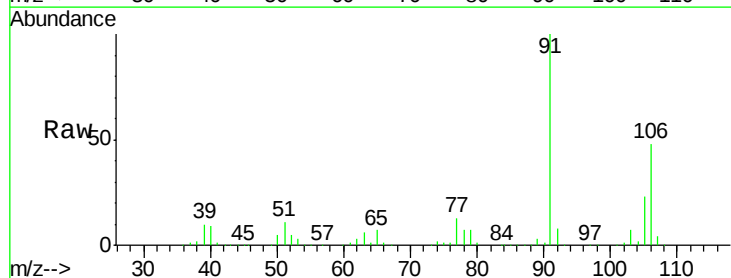
Manual Integrations
APPROVED

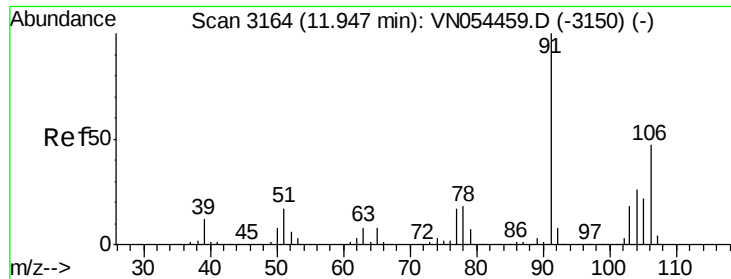
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3/25/2019 10:09:07 AM



#68
m/p-Xylenes
Concen: 38.718 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion: 106 Resp: 310860
Ion Ratio Lower Upper
106 100
91 206.0 159.4 239.2





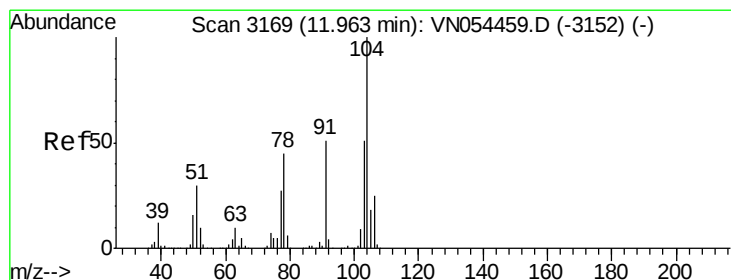
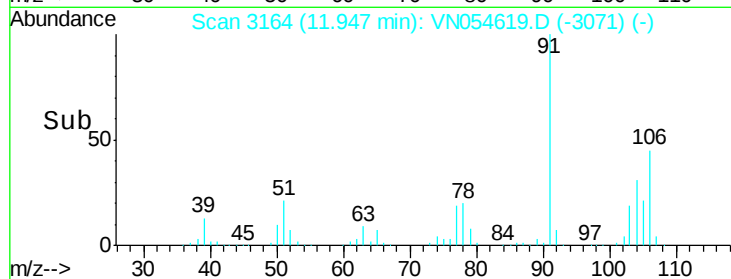
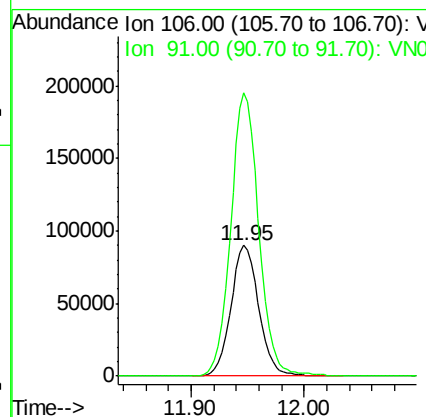
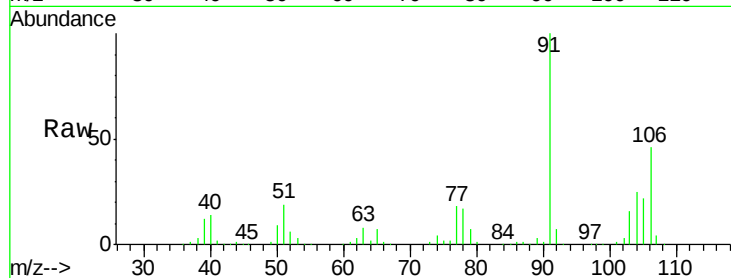
#69
o-Xylene
Concen: 19.698 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion:106 Resp: 154451
Ion Ratio Lower Upper
106 100
91 217.6 105.7 317.1

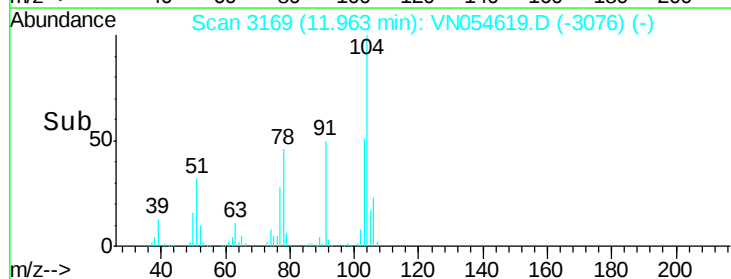
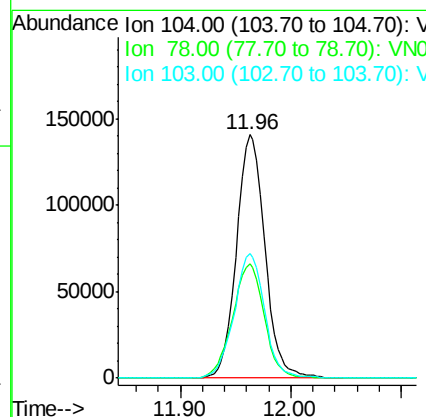
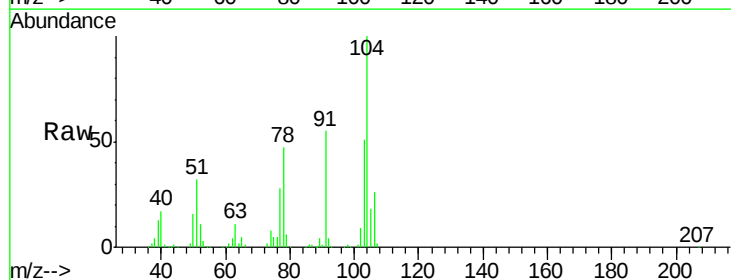
Manual Integrations
APPROVED

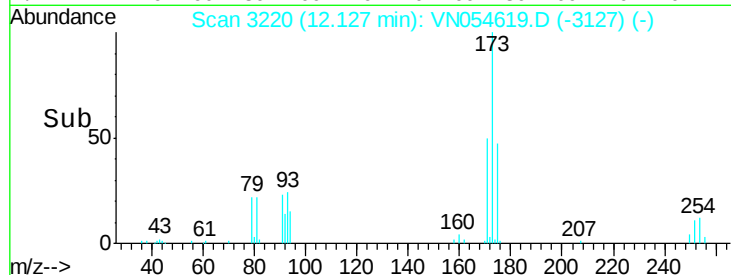
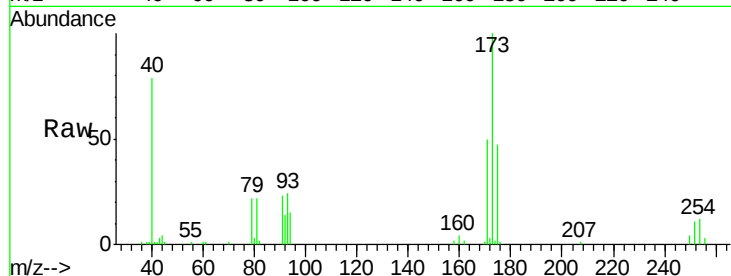
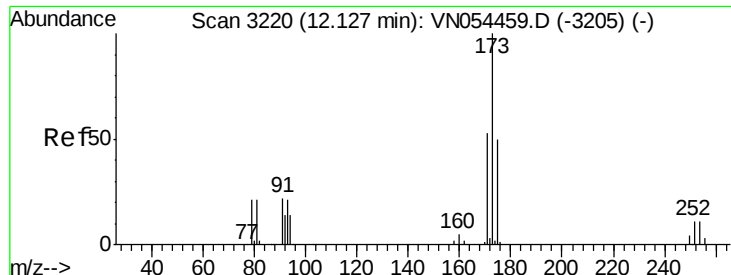
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#70
Styrene
Concen: 19.831 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion:104 Resp: 252509
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.0 44.4 66.6





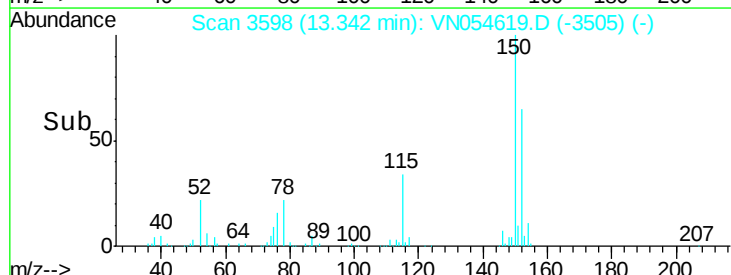
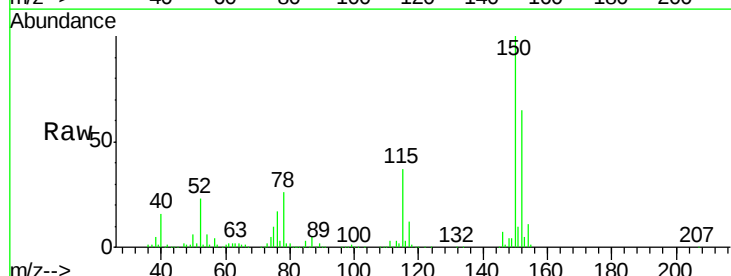
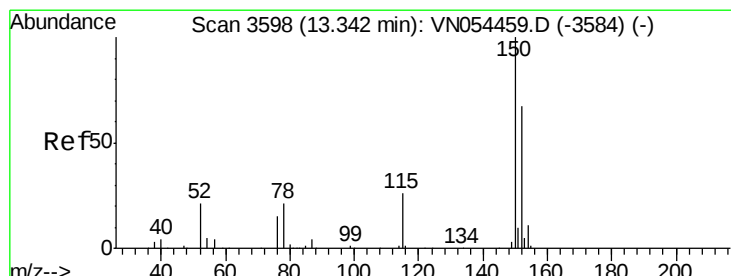
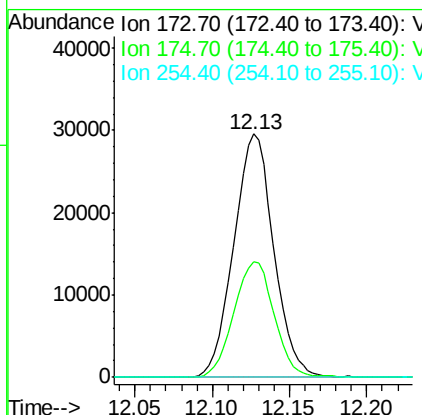
#71
Bromoform
Concen: 19.272 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.2
254	0.0	0.1	0.1#

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

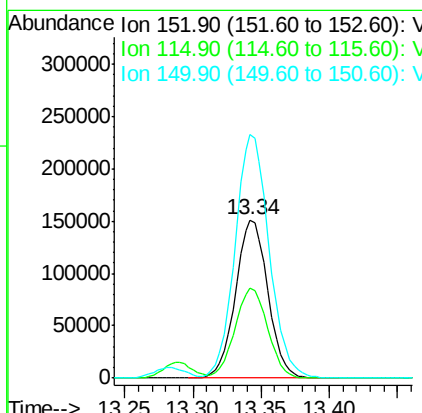
Manual Integrations
APPROVED

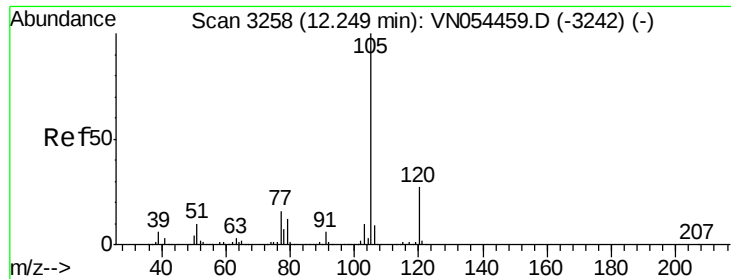
MMDadoda
3/25/2019 10:09:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.2	81.6
150	162.6	0.0	349.2





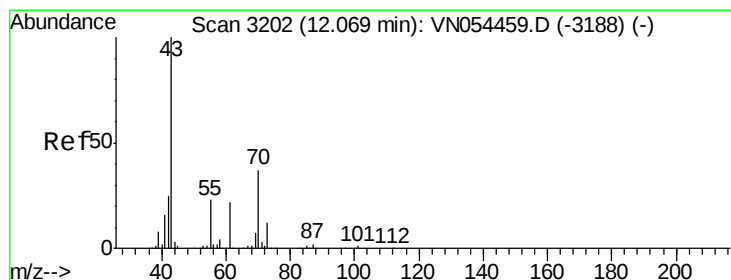
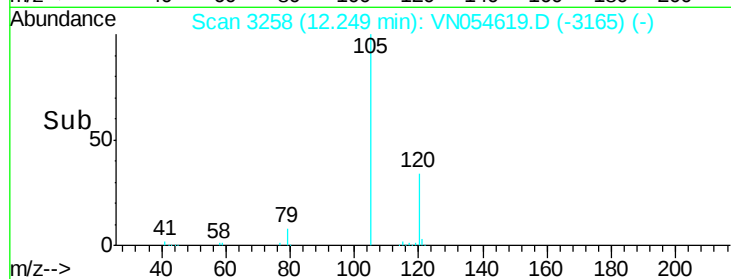
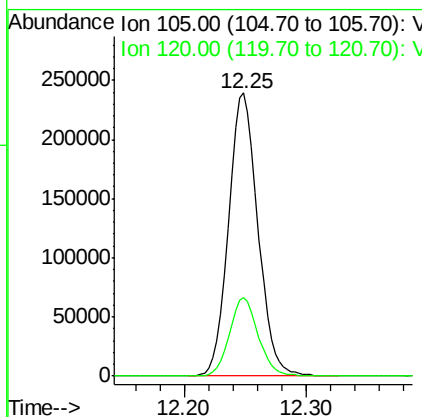
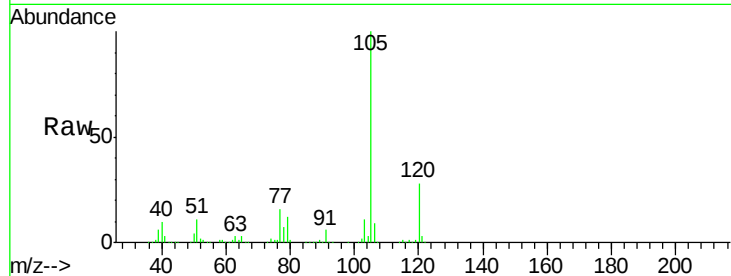
#73
Isopropylbenzene
Concen: 20.148 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.8	41.3

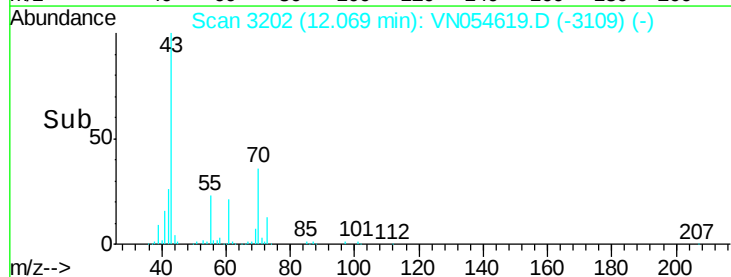
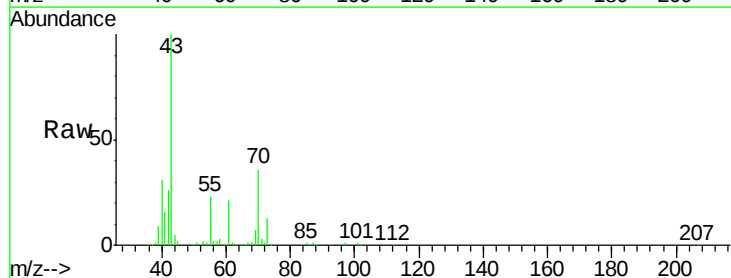
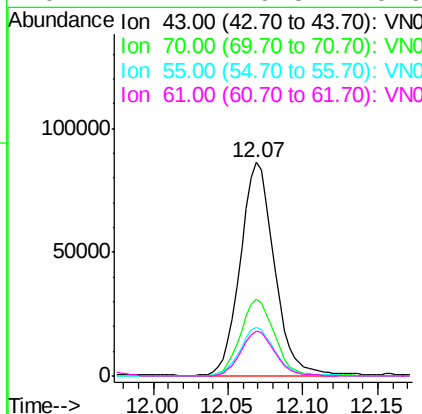
Manual Integrations
APPROVED

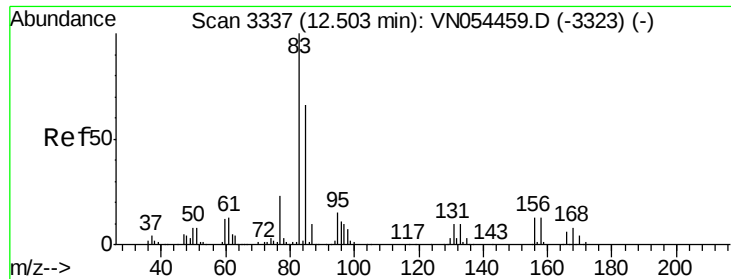
MMDadoda
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#74
N-ethyl acetate
Concen: 23.728 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	35.4	53.0
55	23.4	19.8	29.6
61	21.1	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.658 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

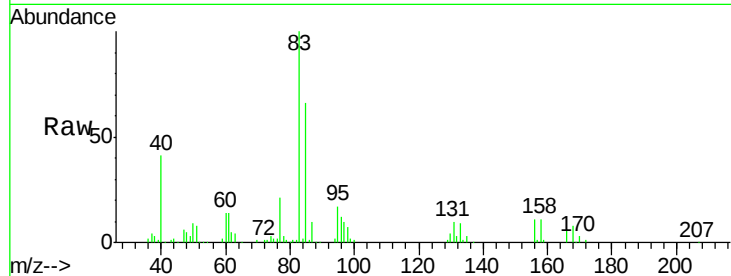
ClientSampleId :

VN0323MBSD01

Tot Ion:	83	Resp:	103245
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.4
85	66.9	32.2	96.6

Manual Integrations
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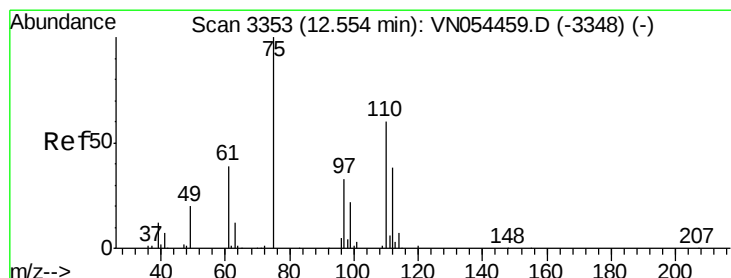
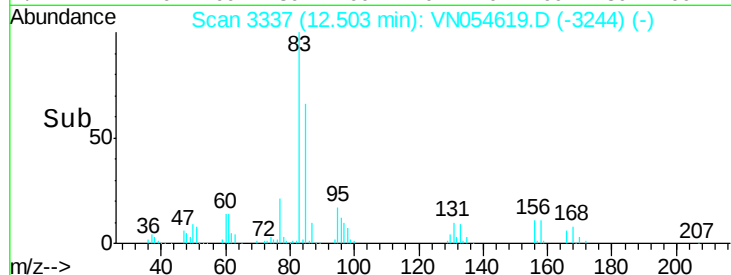
Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 23.584 ug/l m

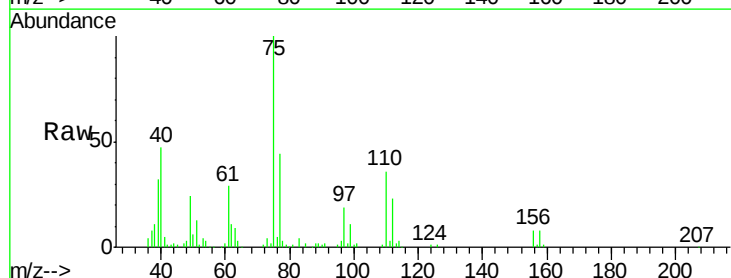
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	75	Resp:	92703
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

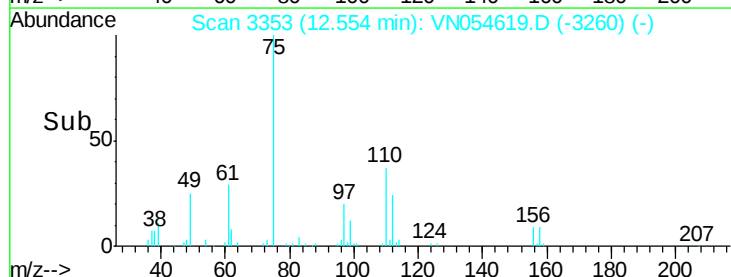


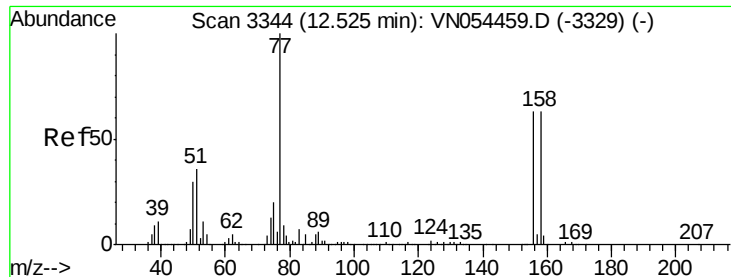
Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

Time-->

12.55





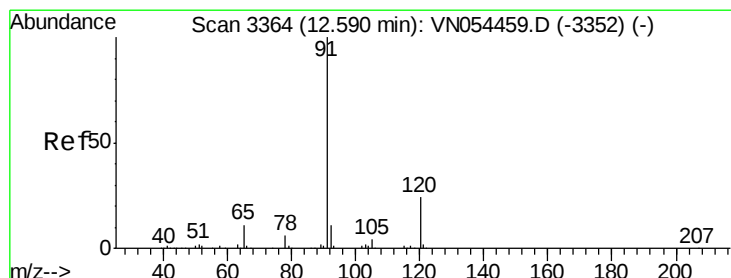
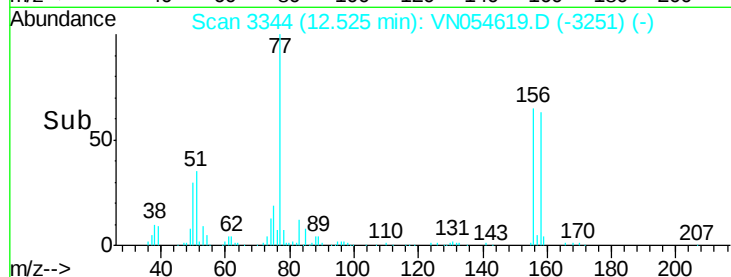
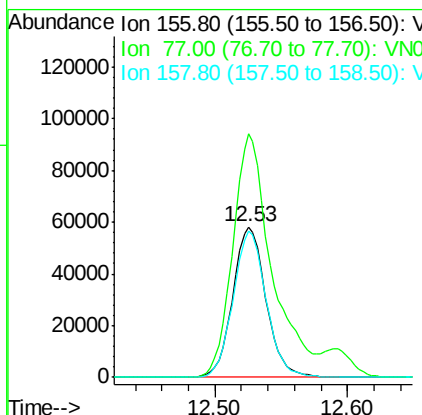
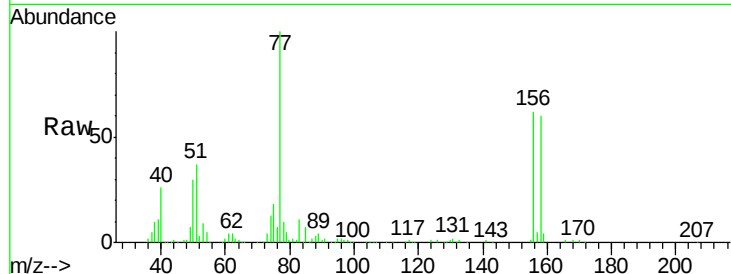
#77
Bromobenzene
Concen: 20.452 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.6	81.5	244.4
158	96.7	49.0	147.2

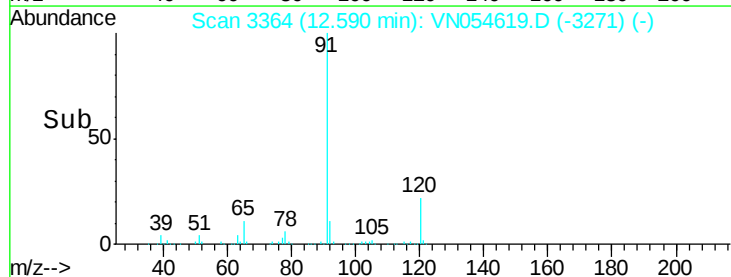
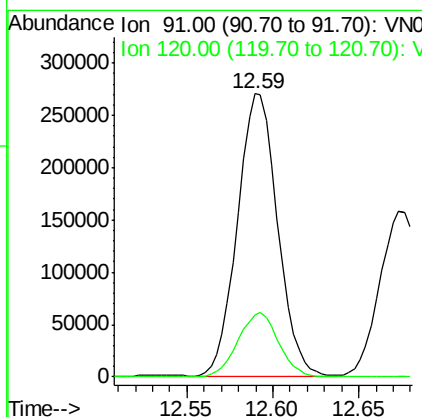
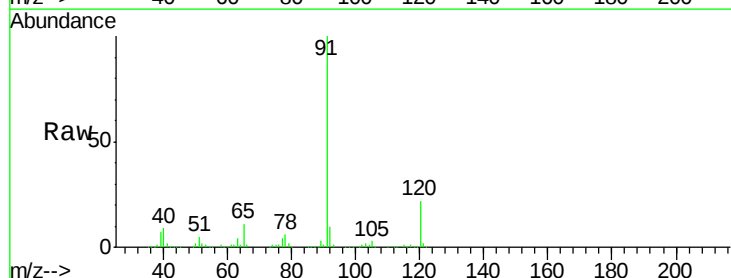
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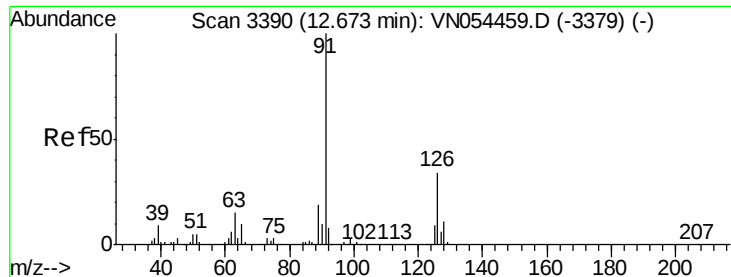
MMDadoda
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#78
n-propylbenzene
Concen: 20.145 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.130 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

VN0323MBS01

Tot Ion: 91 Resp: 271710

Ion Ratio Lower Upper

91 100

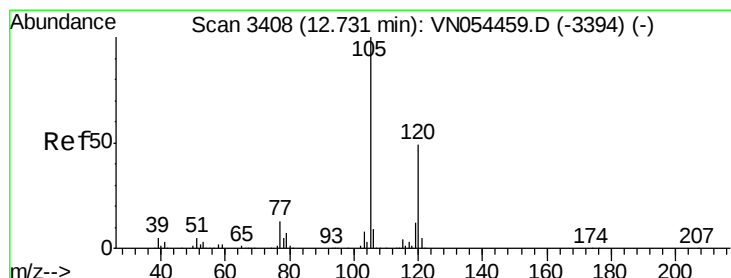
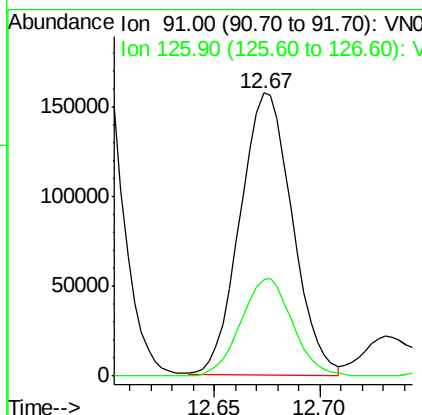
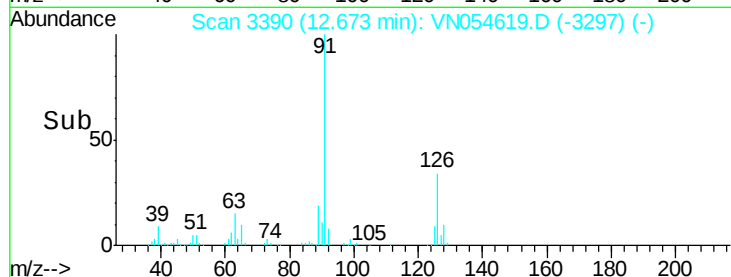
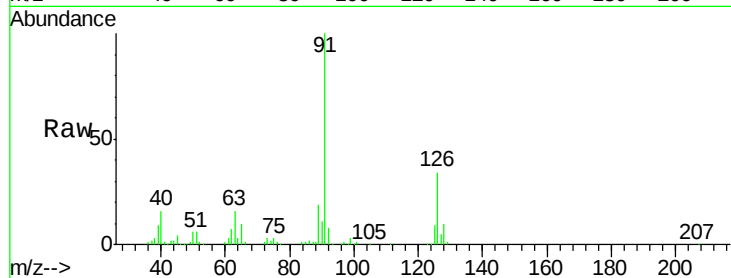
126 34.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.322 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054619.D

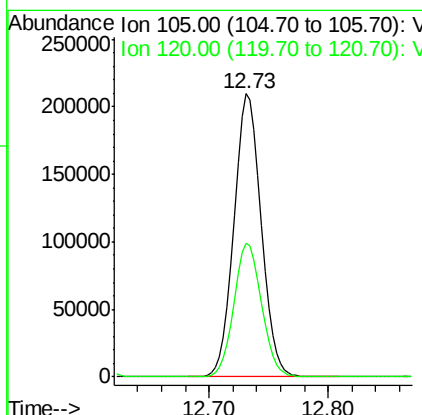
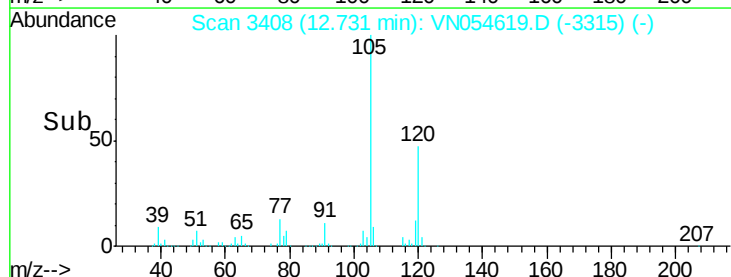
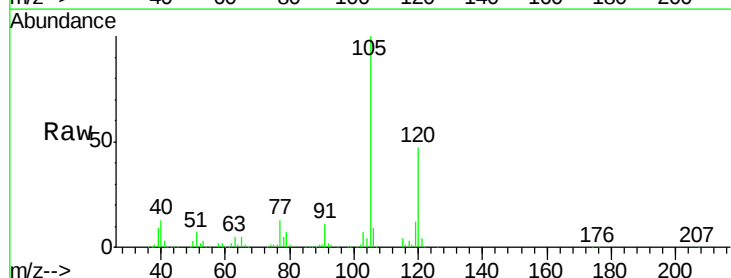
Acq: 23 Mar 2019 22:50

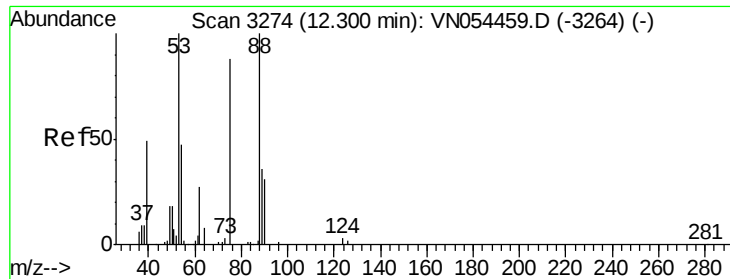
Tgt Ion: 105 Resp: 332466

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0





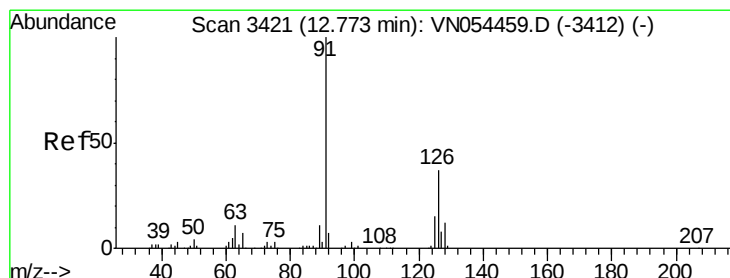
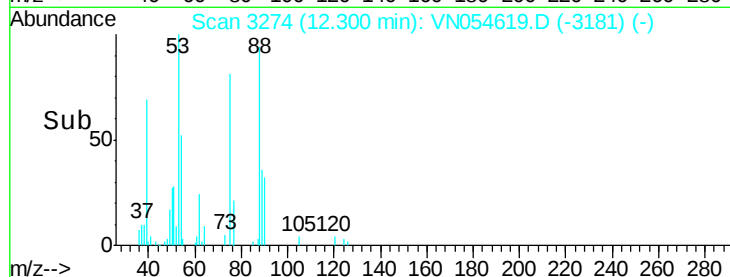
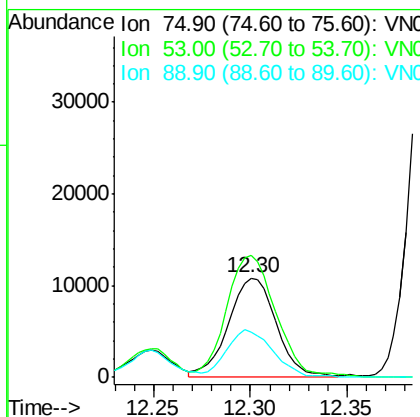
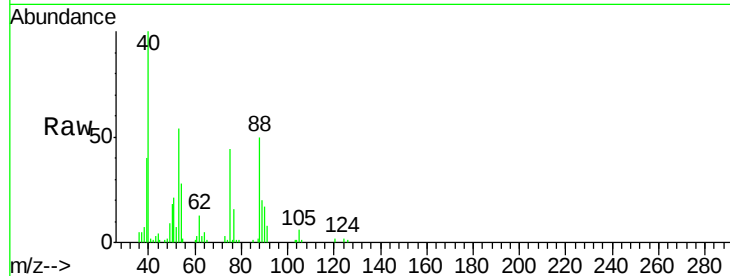
#81
trans-1,4-Dichloro-2-butene
Concen: 18.555 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.5	76.2	114.2#
89	43.5	39.2	58.8

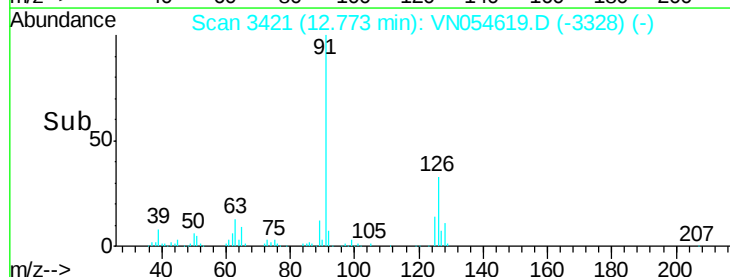
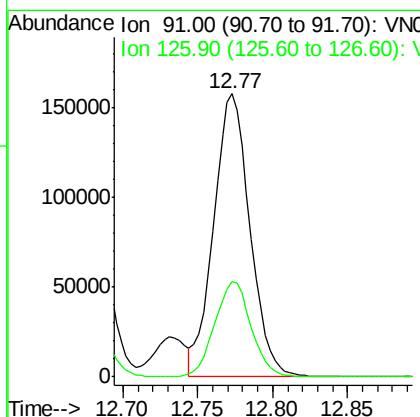
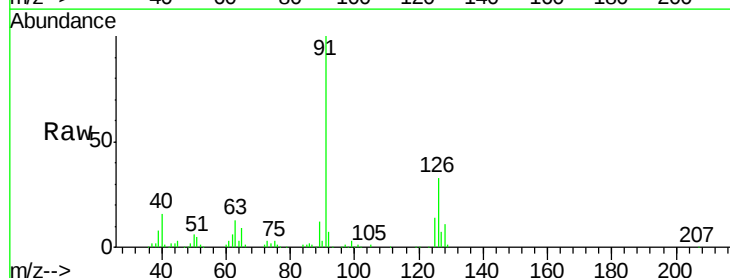
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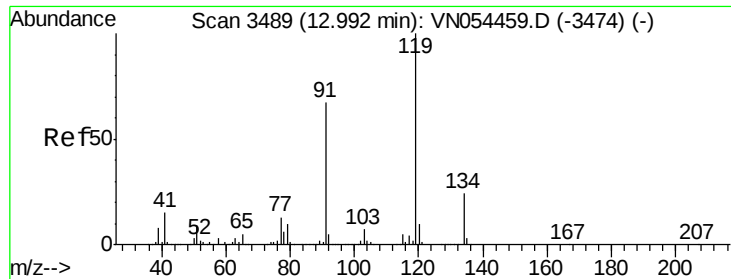
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.287 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.456 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

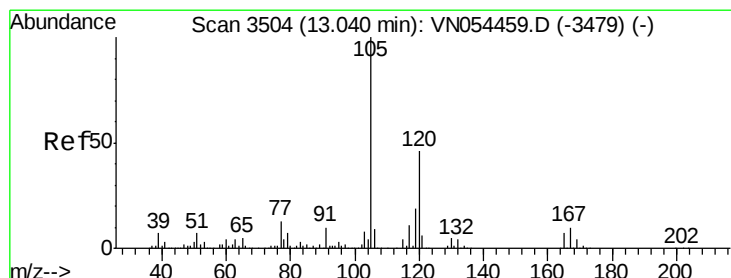
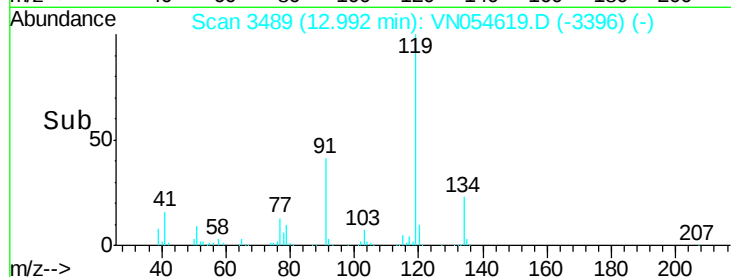
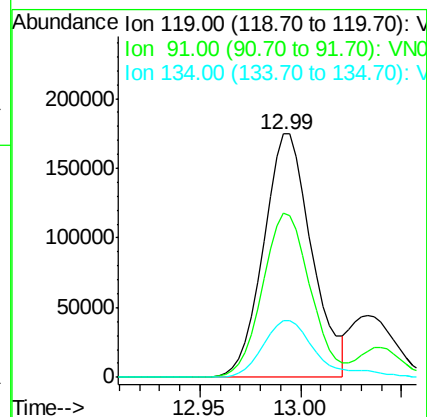
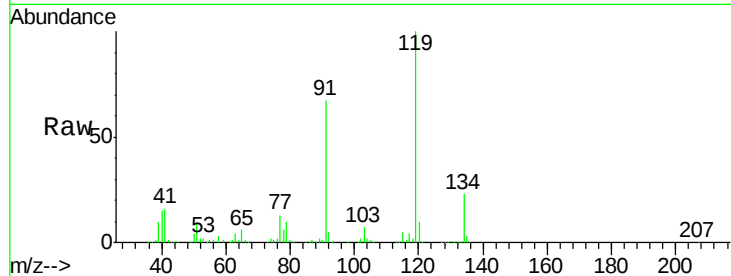
ClientSampleId :

VN0323MBSD01

Tot Ion:	119	Resp:	291295
Ion Ratio	Lower	Upper	
119	100		
91	66.5	30.9	92.8
134	26.0	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 20.193 ug/l

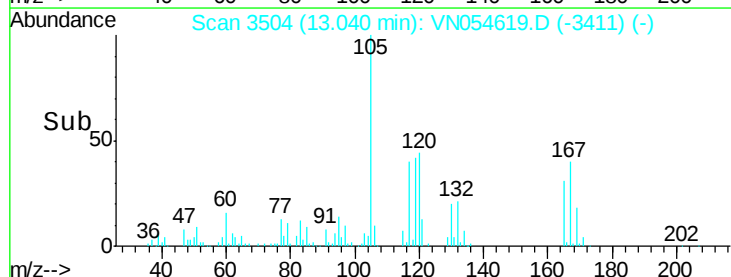
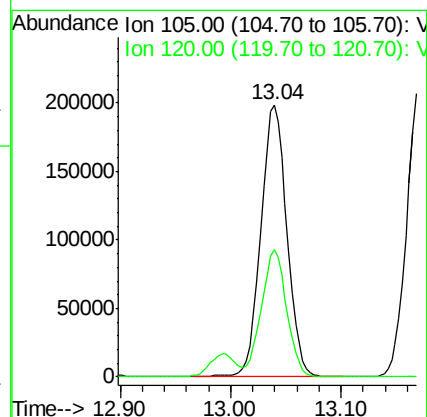
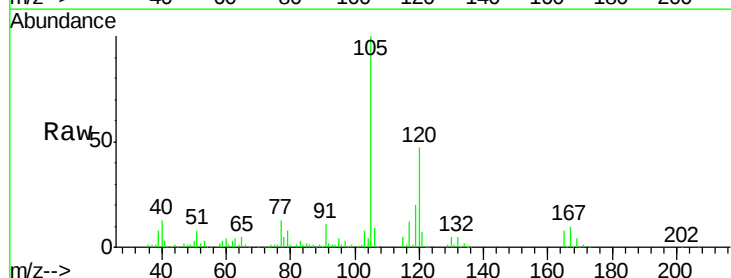
RT: 13.04 min Scan# 3504

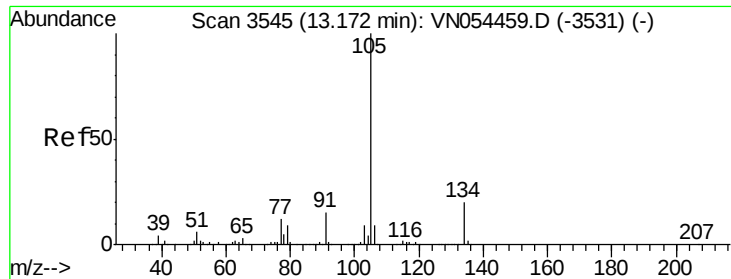
Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	105	Resp:	324141
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.898 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

ClientSampleID :

VN0323MBS01

Tot Ion:105 Resp: 353229

Ion Ratio Lower Upper

105 100

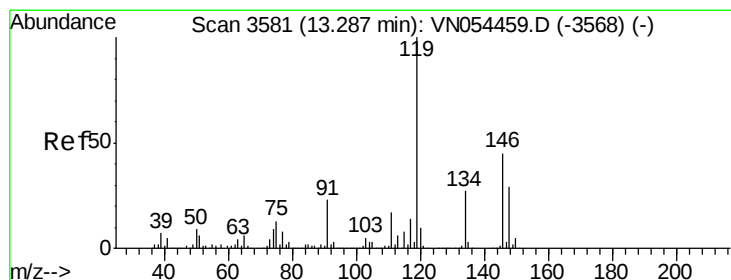
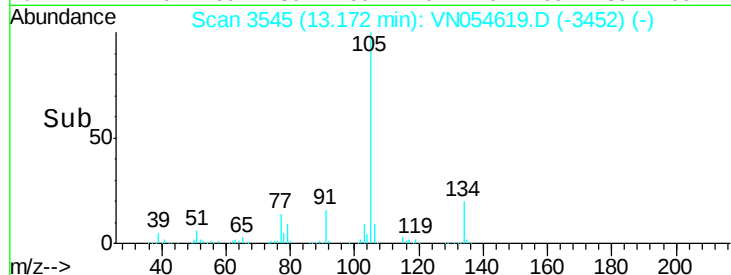
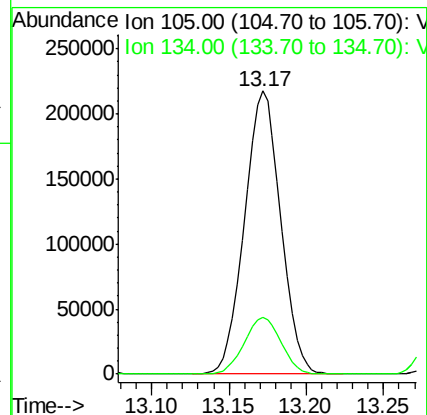
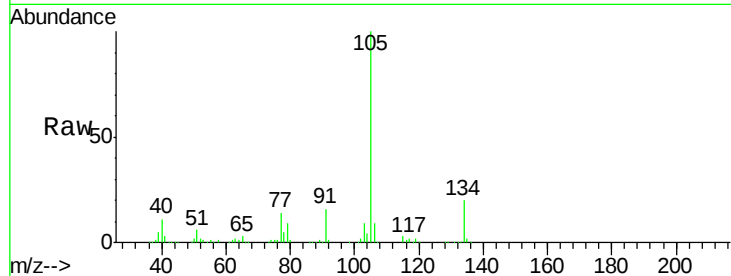
134 20.6 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.329 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

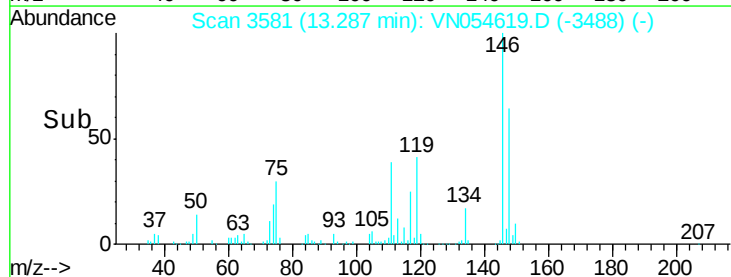
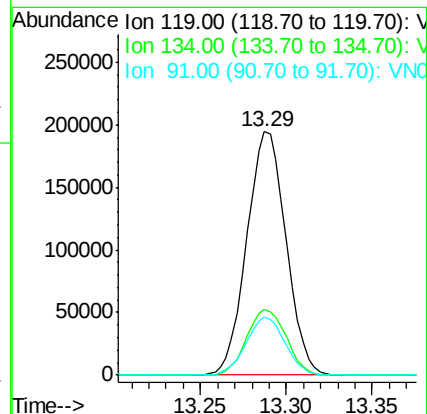
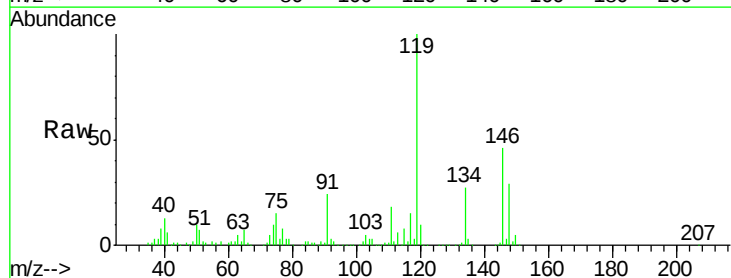
Tgt Ion:119 Resp: 306981

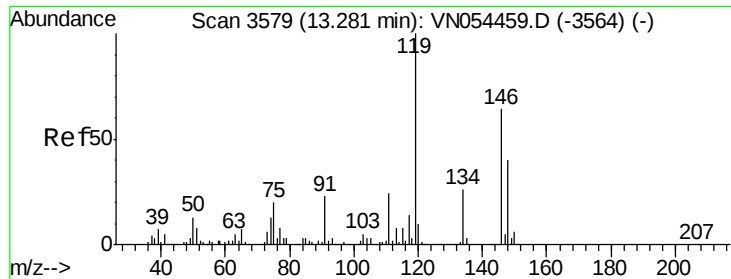
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 23.8 11.1 33.3





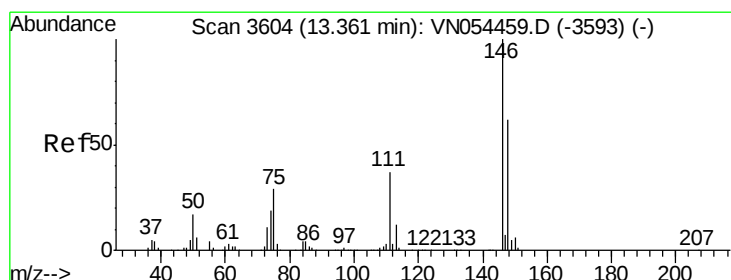
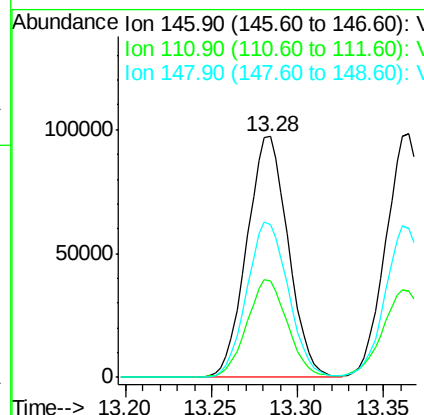
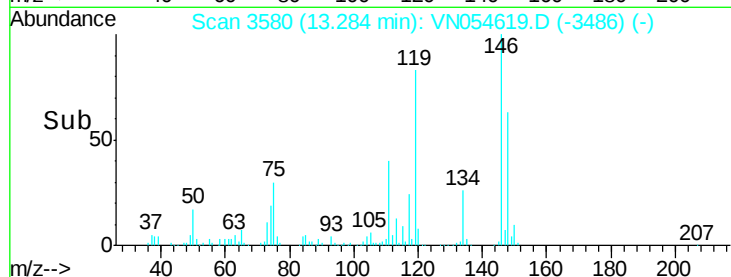
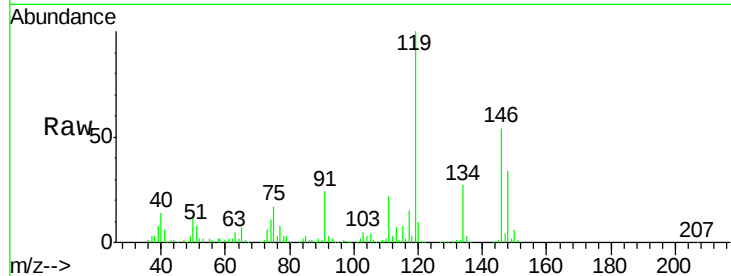
#87
 1,3-Dichlorobenzene
 Concen: 19.759 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	162105		
111	39.9	18.8	56.3	
148	64.5	32.2	96.6	

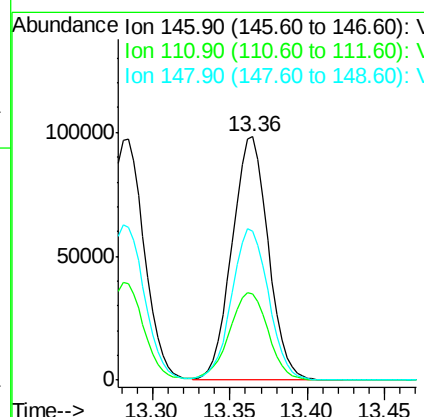
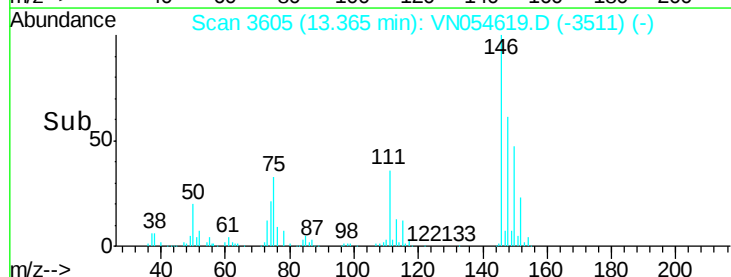
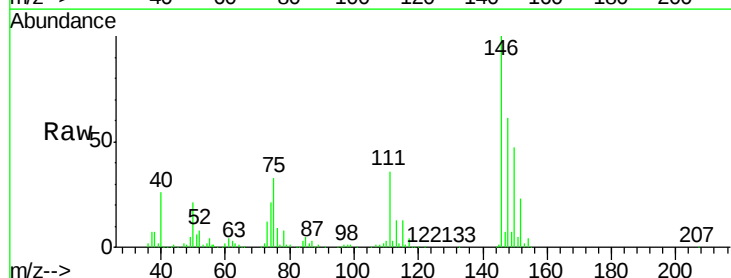
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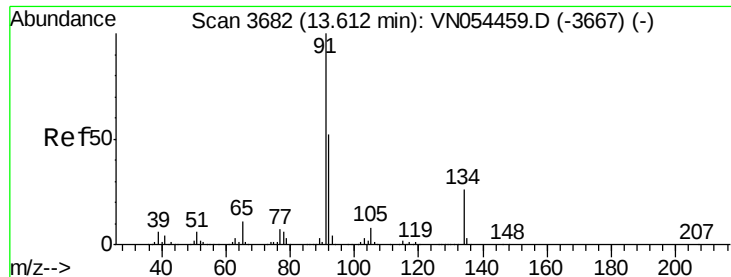
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#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	159984		
111	38.6	18.1	54.1	
148	63.4	32.0	96.0	





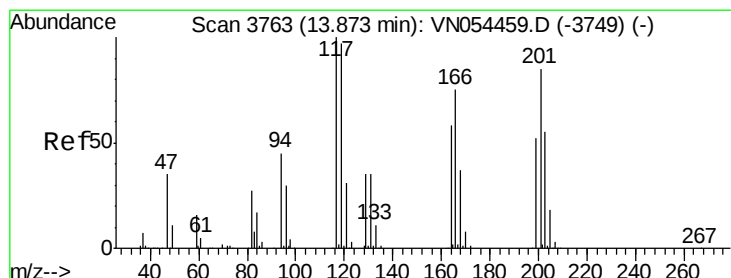
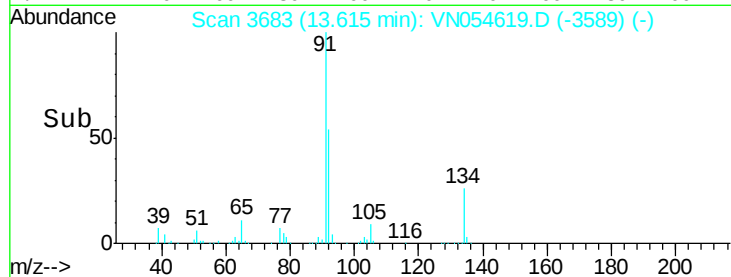
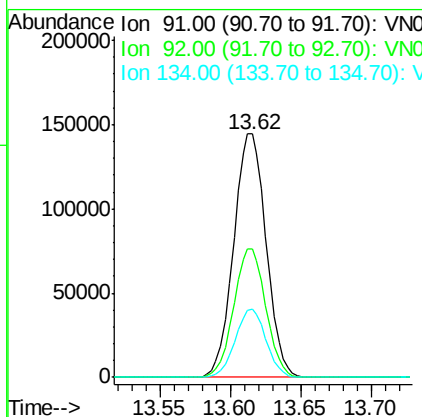
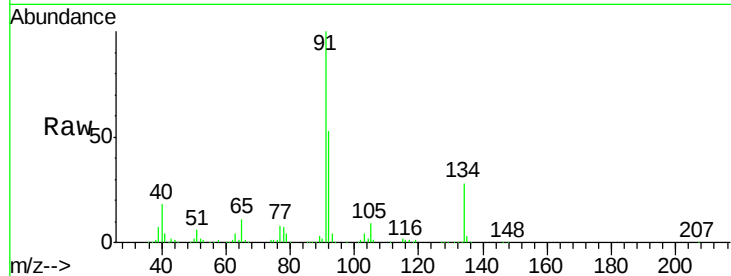
#89
n-Butylbenzene
Concen: 18.750 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	232850		
92	52.4		26.2	78.6
134	26.6		14.3	42.9

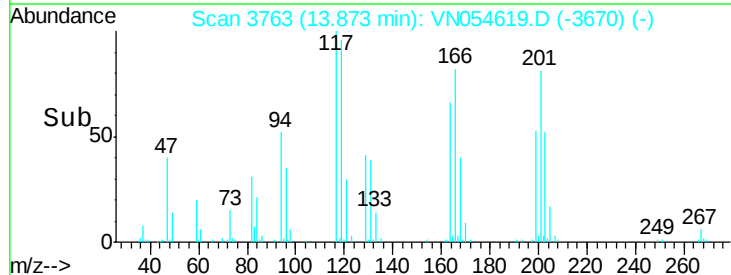
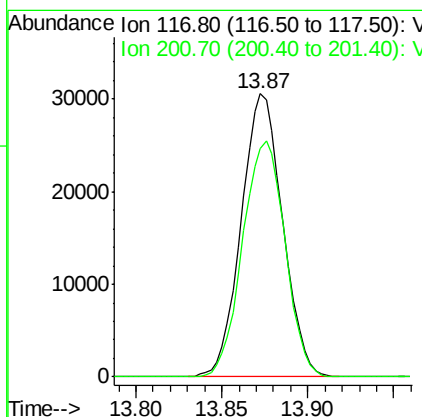
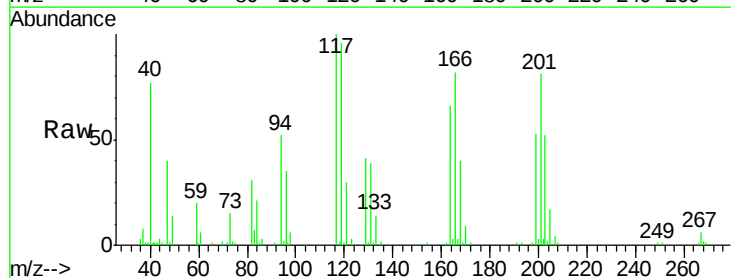
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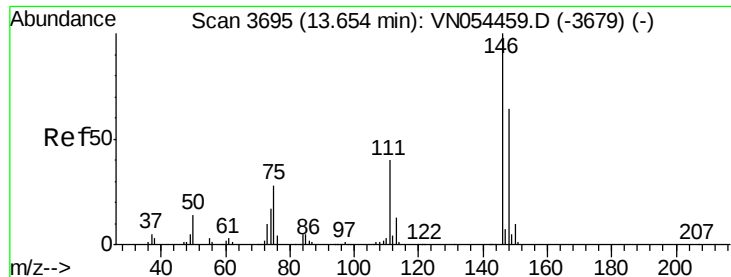
MMDadoda
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#90
Hexachloroethane
Concen: 20.716 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054619.D
Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51069		
201	85.2		48.1	144.4





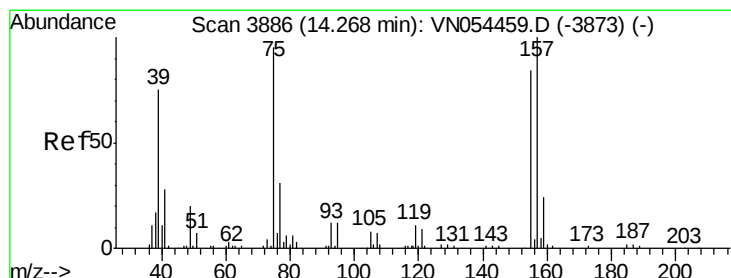
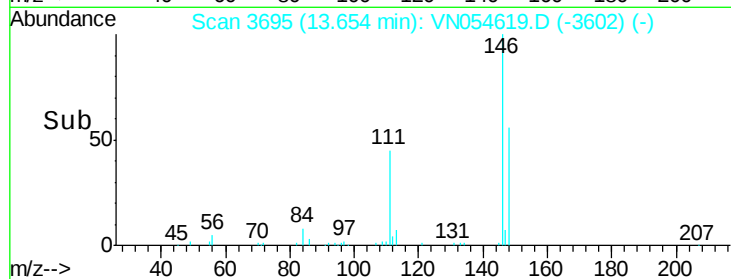
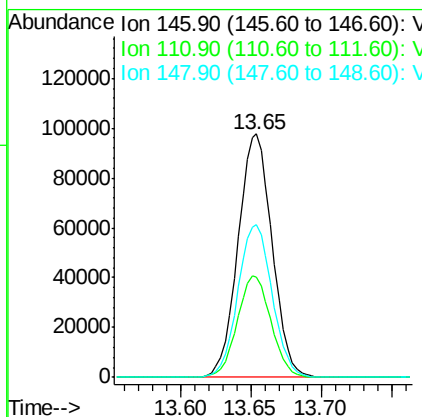
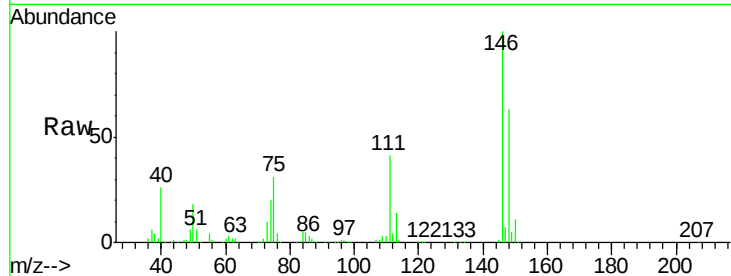
#91
 1,2-Dichlorobenzene
 Concen: 20.771 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	63.4	32.4	97.0

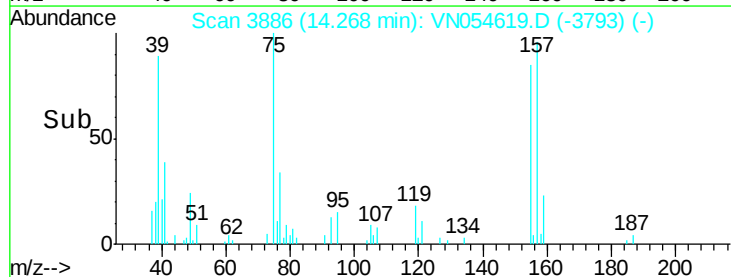
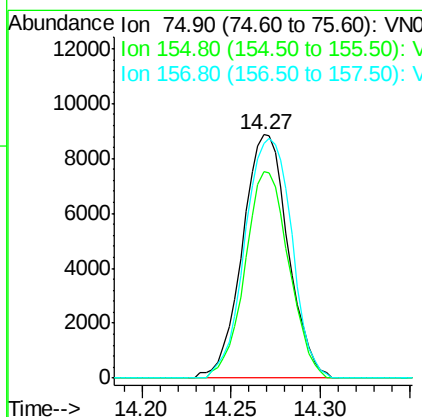
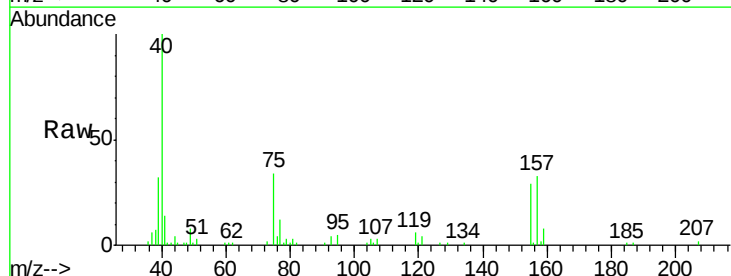
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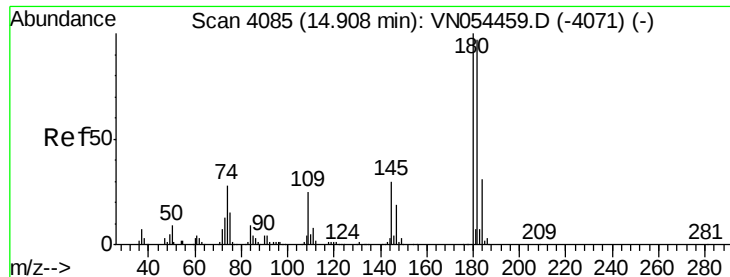
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.718 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	50.1	150.3
157	100.6	63.1	189.3





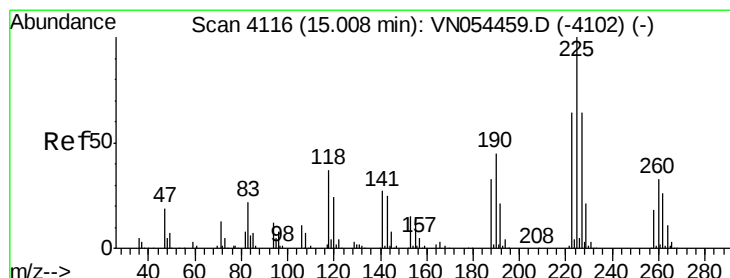
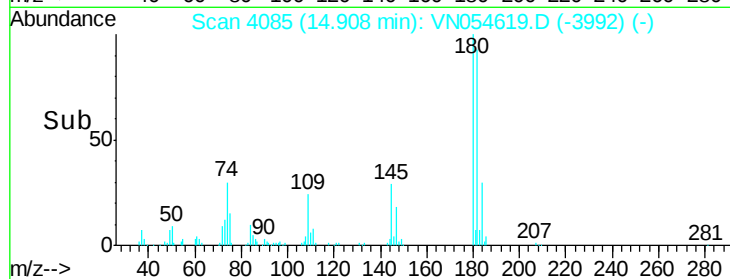
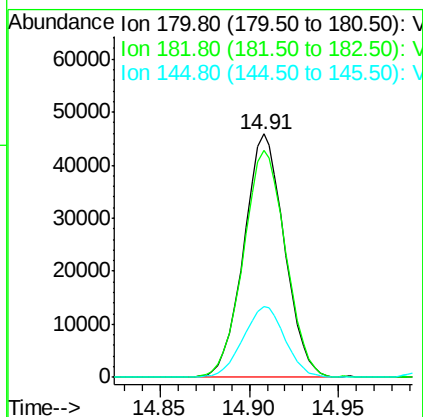
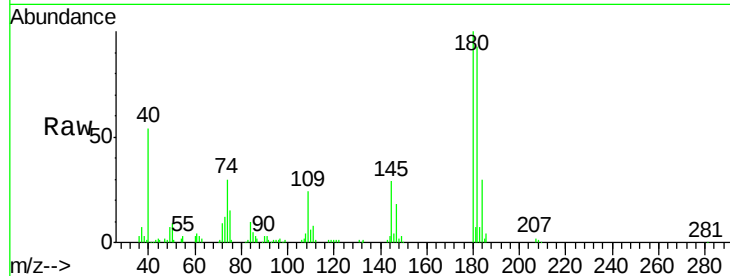
#93
 1,2,4-Trichlorobenzene
 Concen: 18.460 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.0	144.2
145	30.1	14.2	42.8

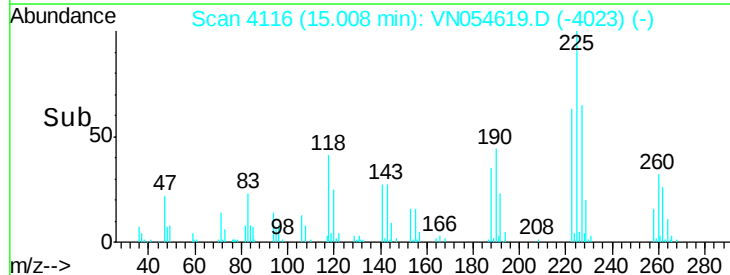
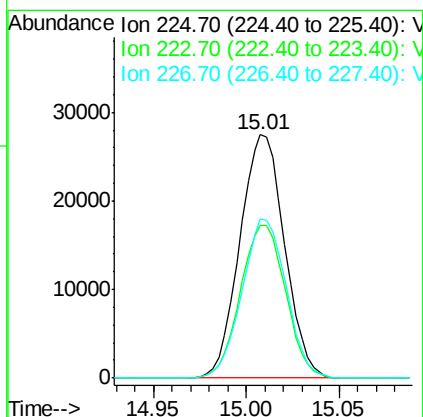
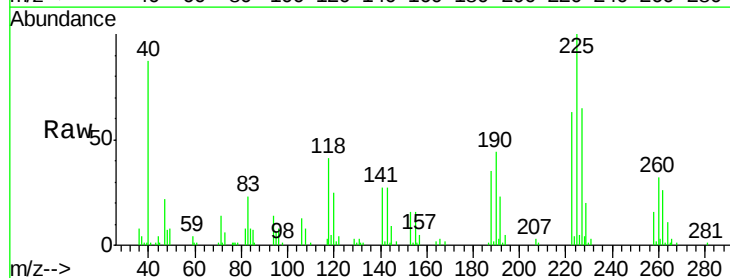
Manual Integrations
 APPROVED

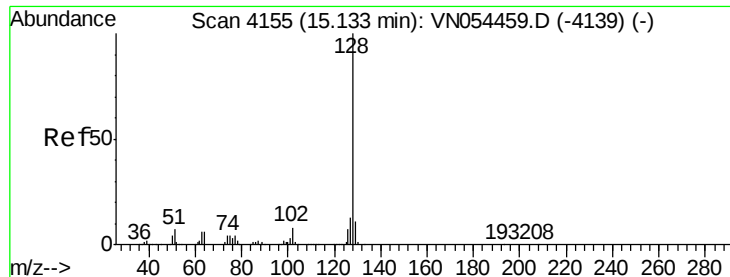
MMDadoda
 3/25/2019 10:09:07 AM



#94
 Hexachlorobutadiene
 Concen: 19.052 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054619.D
 Acq: 23 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.5
227	64.9	31.9	95.9





#95

Naphthalene

Concen: 19.887 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Instrument :

MSVOA_N

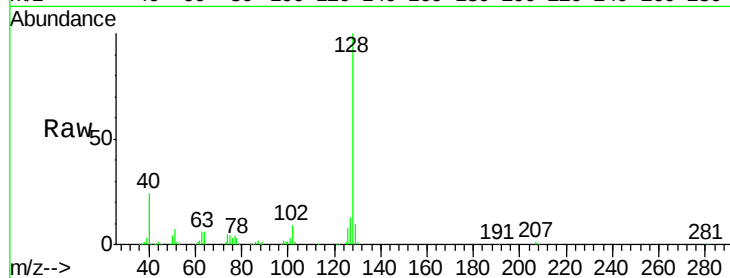
ClientSampleId :

VN0323MBSD01

Tot Ion:	128	Resp:	175720
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.6	8.7	13.1

Manual Integrations
APPROVED

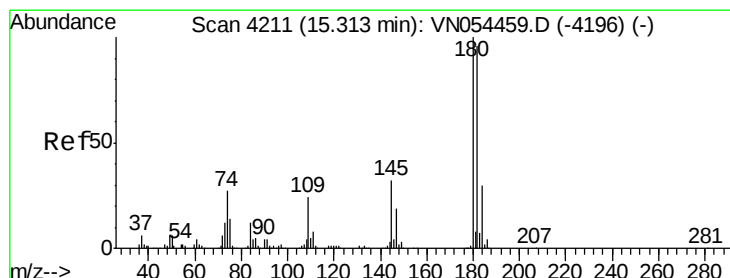
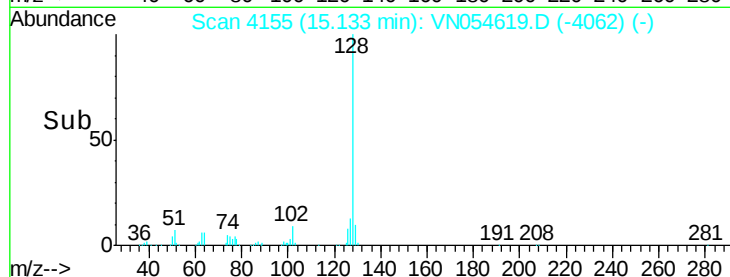
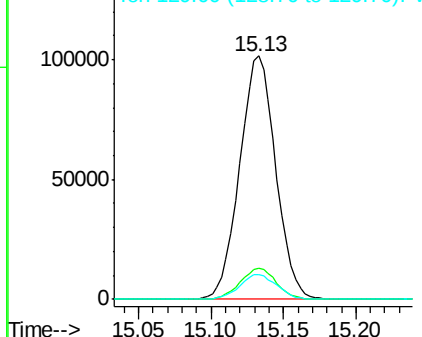
MMDadoda
3/25/2019 10:09:07 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.379 ug/l

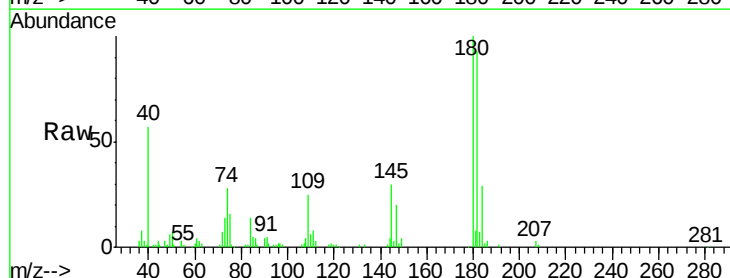
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054619.D

Acq: 23 Mar 2019 22:50

Tgt Ion:	180	Resp:	76404
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.6
145	30.1	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

