

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054569.D
 Acq On : 22 Mar 2019 20:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 3:11:51 PM

Quant Time: Mar 23 04:14:51 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	457431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	746841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273202	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	314143	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	7.59	113	246177	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	896942	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	302717	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	220773	50.486	ug/l	98
3) Chloromethane	2.06	50	298710	50.206	ug/l	98
4) Vinyl Chloride	2.19	62	292721	49.003	ug/l	100
5) Bromomethane	2.57	94	165849	42.937	ug/l	94
6) Chloroethane	2.71	64	163905	45.746	ug/l	99
7) Trichlorofluoromethane	3.02	101	363635	50.127	ug/l	97
8) Diethyl Ether	3.41	74	126643	45.392	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188587	44.234	ug/l	95
10) Methyl Iodide	3.94	142	284879	45.425	ug/l #	90
11) Tert butyl alcohol	4.82	59	88406	256.645	ug/l	100
12) 1,1-Dichloroethene	3.73	96	191949	43.505	ug/l #	77
13) Acrolein	3.61	56	120977	254.491	ug/l	100
14) Allyl chloride	4.32	41	442930	53.312	ug/l #	92
15) Acrylonitrile	5.00	53	487435	284.149	ug/l	100
16) Acetone	3.82	43	358859	209.784	ug/l #	82
17) Carbon Disulfide	4.04	76	542378	45.880	ug/l	99
18) Methyl Acetate	4.33	43	215235	56.451	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	680811	52.873	ug/l	94
20) Methylene Chloride	4.54	84	255422	50.653	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	237072	52.621	ug/l	88
22) Diisopropyl ether	5.96	45	919104	56.084	ug/l #	95
23) Vinyl Acetate	5.90	43	3347365	289.209	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	483580	54.804	ug/l	97
25) 2-Butanone	6.85	43	607815	277.377	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	310891	49.426	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	274994	51.174	ug/l	87
28) Bromochloromethane	7.20	49	238613	54.939	ug/l #	73
29) Tetrahydrofuran	7.22	42	415656	292.302	ug/l #	84
30) Chloroform	7.37	83	468622	54.420	ug/l	100
31) Cyclohexane	7.65	56	437496	51.811	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	389871	54.878	ug/l	95
36) 1,1-Dichloropropene	7.79	75	345754	49.514	ug/l	96
37) Ethyl Acetate	6.94	43	279194	56.215	ug/l	96
38) Carbon Tetrachloride	7.77	117	334291	49.262	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	368805	46.171	ug/l	90
40) Benzene	8.04	78	1031364	51.650	ug/l	98
41) Methacrylonitrile	7.18	41	162574	53.675	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	375274	51.605	ug/l	97
43) Isopropyl Acetate	8.17	43	466967	55.672	ug/l #	93
44) Trichloroethene	8.83	130	266433	47.992	ug/l	93
45) 1,2-Dichloropropane	9.12	63	292219	54.499	ug/l	98
46) Dibromomethane	9.21	93	167702	52.427	ug/l	89
47) Bromodichloromethane	9.40	83	355181	53.502	ug/l	96
48) Methyl methacrylate	9.20	41	243883	53.570	ug/l	87
49) 1,4-Dioxane	9.20	88	49884	980.127	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1309740	281.751	ug/l	93
52) Toluene	10.16	92	614722	50.053	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	332805	47.634	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	405842	53.317	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	229829	52.060	ug/l	96
56) Ethyl methacrylate	10.43	69	314410	53.061	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	406889	53.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613867	251.588	ug/l	90
59) 2-Hexanone	10.75	43	809343	266.548	ug/l	92
60) Dibromochloromethane	10.90	129	251184	53.470	ug/l	98
61) 1,2-Dibromoethane	11.01	107	226746	51.952	ug/l	97
64) Tetrachloroethene	10.63	164	256419	48.463	ug/l	96
65) Chlorobenzene	11.43	112	644255	49.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	249029	53.477	ug/l	99
67) Ethyl Benzene	11.51	91	1147252	50.060	ug/l	98
68) m/p-Xylenes	11.62	106	847805	97.667	ug/l	95
69) o-Xylene	11.95	106	419191	49.448	ug/l	97
70) Styrene	11.96	104	689807	50.107	ug/l	97
71) Bromoform	12.13	173	149814	46.813	ug/l #	99
73) Isopropylbenzene	12.25	105	1093487	49.670	ug/l	98
74) N-amyl acetate	12.07	43	359370	56.771	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	276822	55.083	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	219224m	50.567	ug/l	
77) Bromobenzene	12.53	156	272125	49.839	ug/l	86
78) n-propylbenzene	12.59	91	1191771	49.923	ug/l	97
79) 2-Chlorotoluene	12.68	91	733000	49.239	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	885720	49.089	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59782	47.694	ug/l #	80
82) 4-Chlorotoluene	12.77	91	726843	50.371	ug/l	95
83) tert-Butylbenzene	12.99	119	773562	49.253	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	872236	49.266	ug/l	98
85) sec-Butylbenzene	13.17	105	938655	47.943	ug/l	98
86) p-Isopropyltoluene	13.29	119	846336	48.318	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	447150	49.419	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	426582	48.456	ug/l	98
89) n-Butylbenzene	13.62	91	665617	48.598	ug/l	98
90) Hexachloroethane	13.88	117	140208	51.568	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441161	50.338	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40939	55.539	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212802	48.708	ug/l	100
94) Hexachlorobutadiene	15.01	225	121512	49.477	ug/l	97
95) Naphthalene	15.13	128	503887	51.707	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	218176	50.175	ug/l	99

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

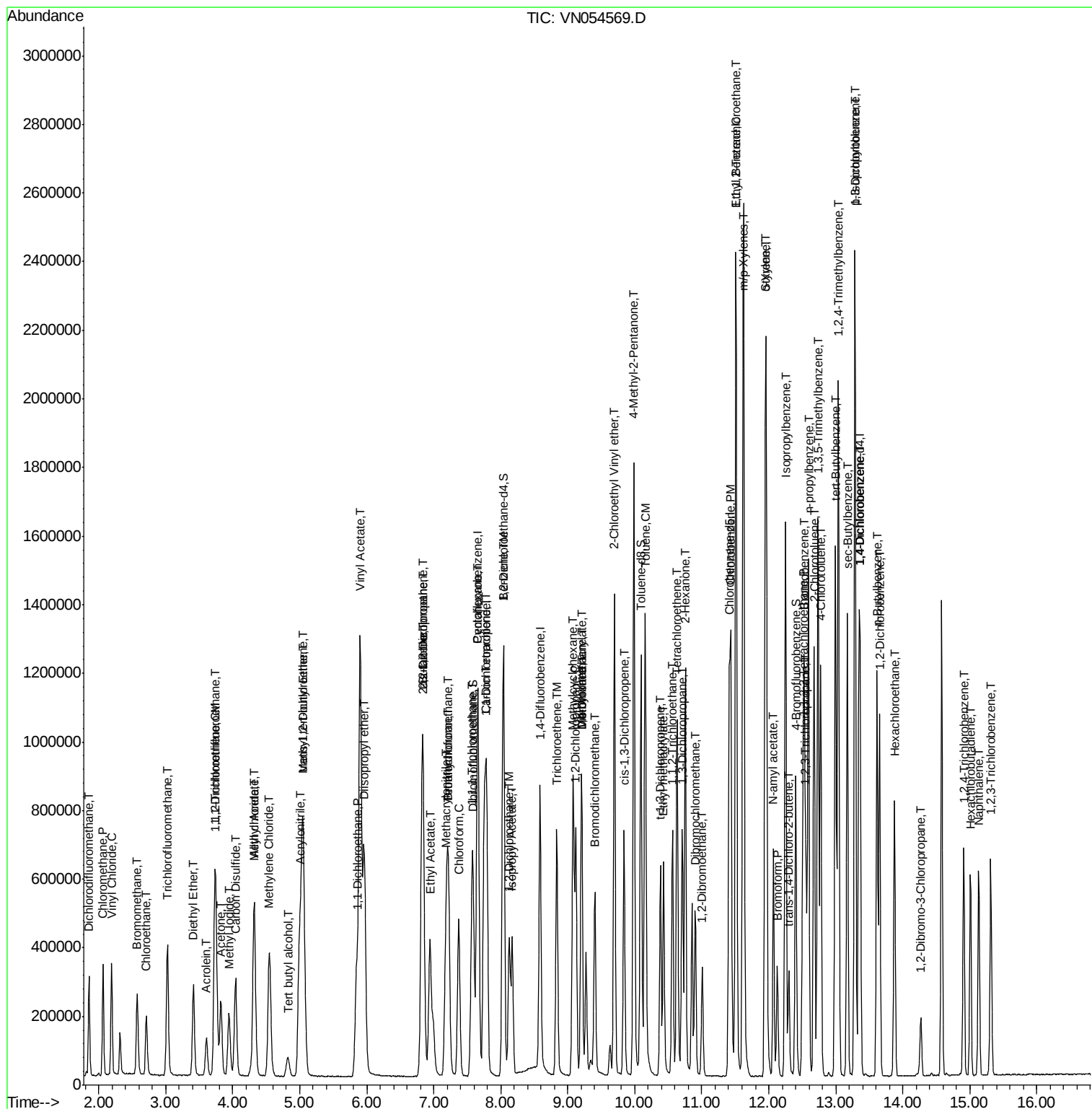
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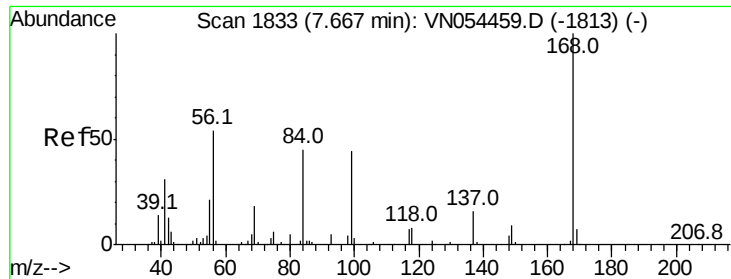
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 457431

Ion Ratio Lower Upper

168 100

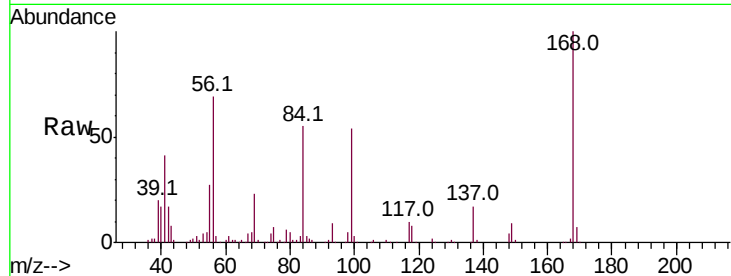
99 54.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

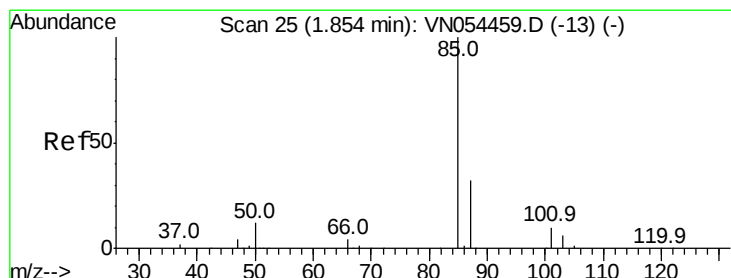
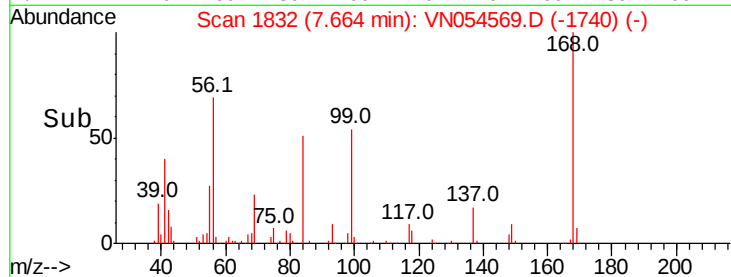
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.486 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054569.D

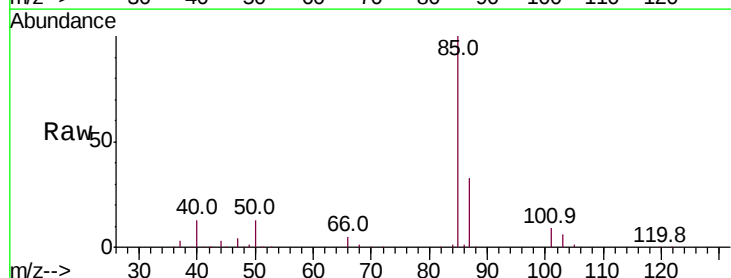
Acq: 22 Mar 2019 20:22

Tgt Ion: 85 Resp: 220773

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

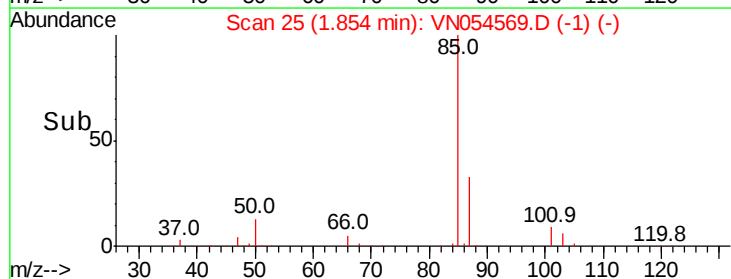
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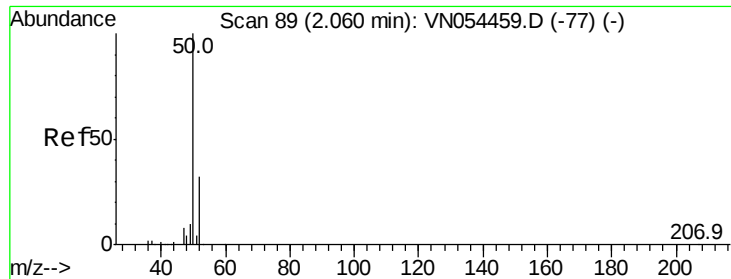
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.206 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 298710

Ion Ratio Lower Upper

50 100

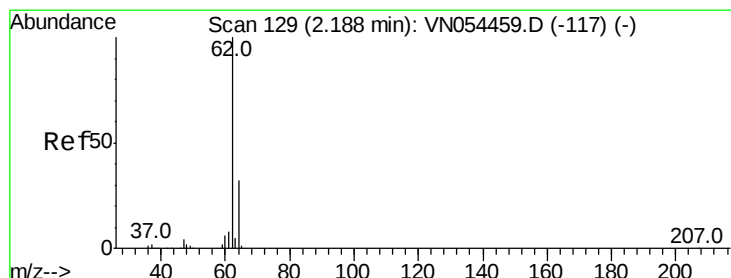
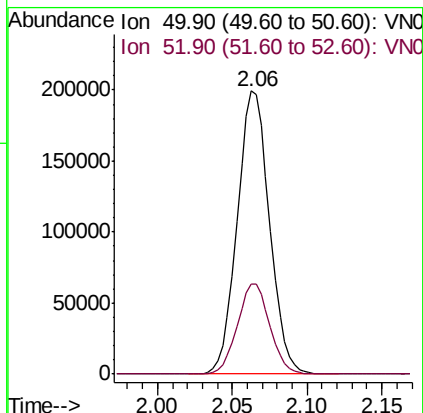
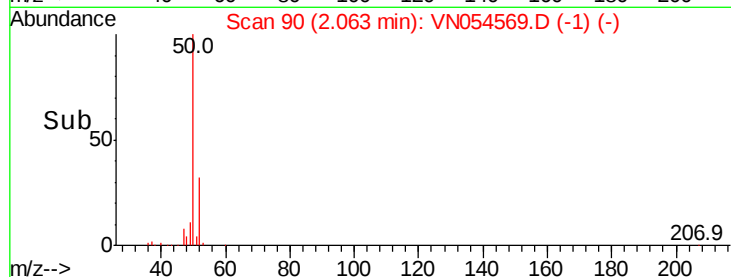
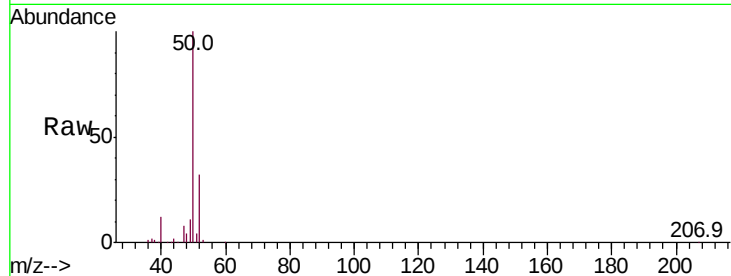
52 31.9 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.003 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054569.D

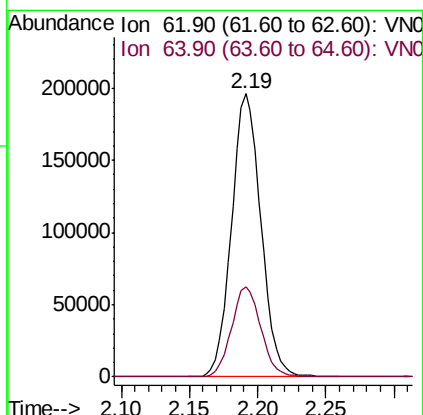
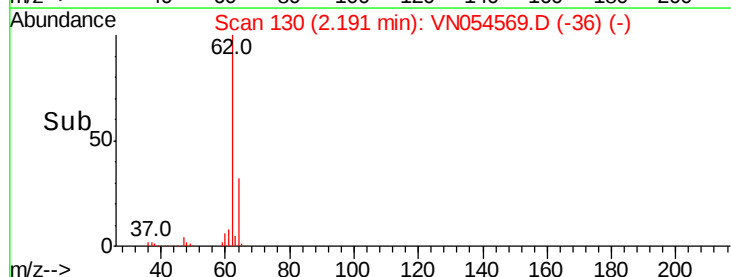
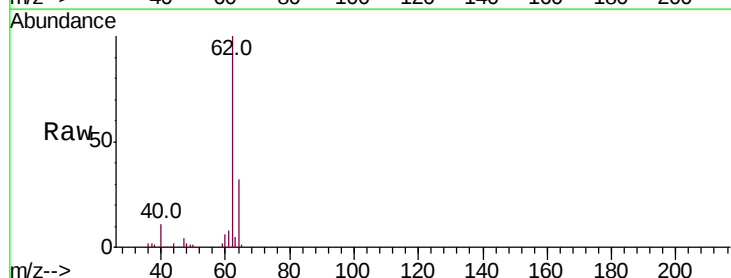
Acq: 22 Mar 2019 20:22

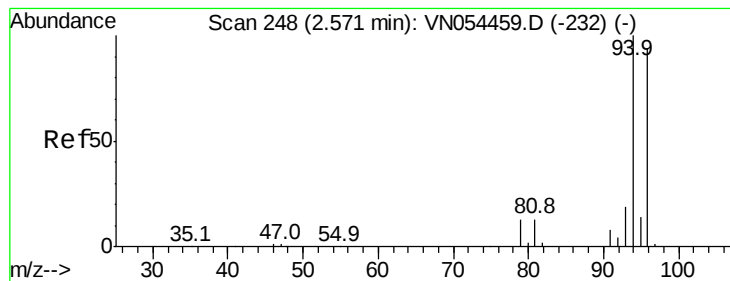
Tgt Ion: 62 Resp: 292721

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 42.937 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

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Acq: 22 Mar 2019 20:22

Instrument :

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Tot Ion: 94 Resp: 165849

Ion Ratio Lower Upper

94 100

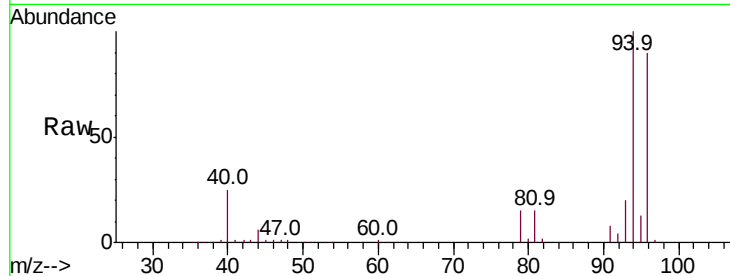
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Manual Integrations

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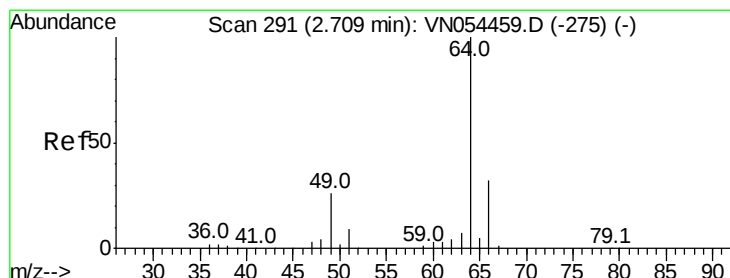
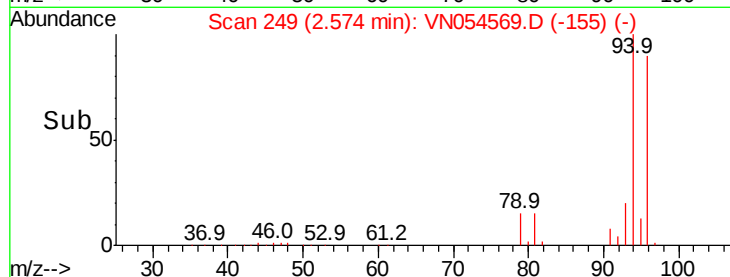
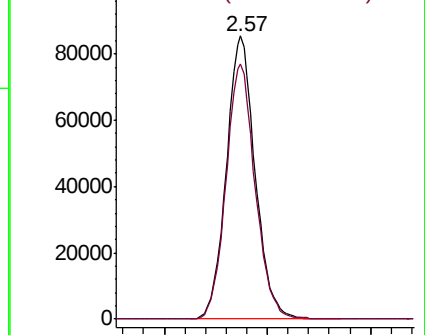
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.746 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054569.D

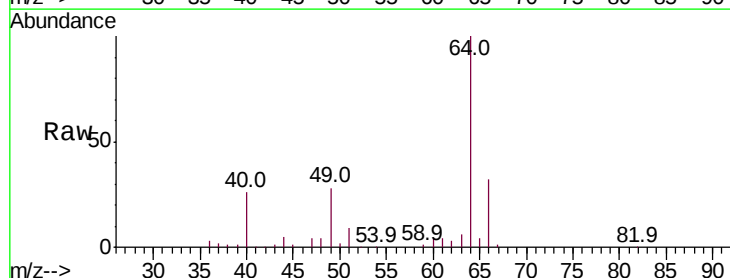
Acq: 22 Mar 2019 20:22

Tgt Ion: 64 Resp: 163905

Ion Ratio Lower Upper

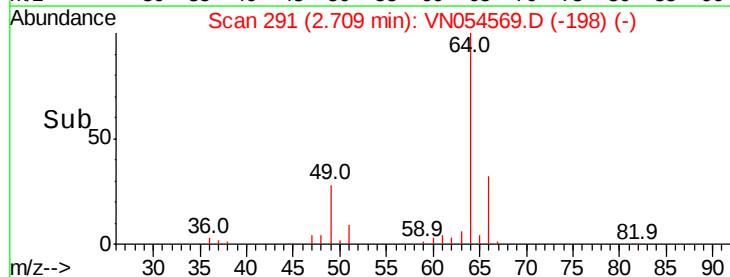
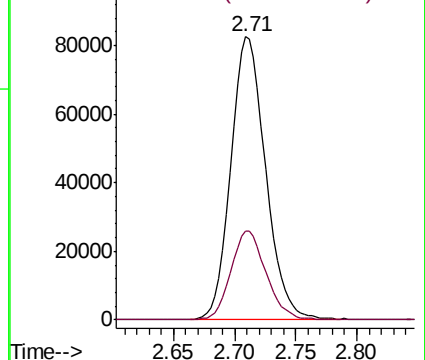
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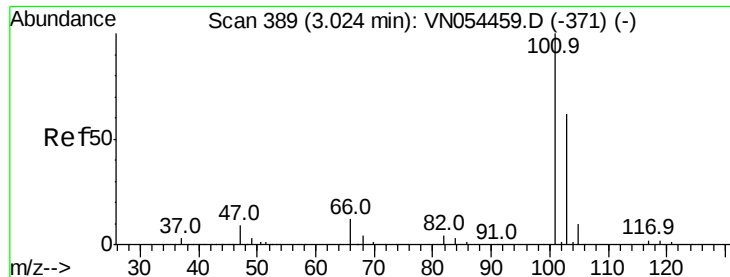
66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 50.127 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 363635

Ion Ratio Lower Upper

101 100

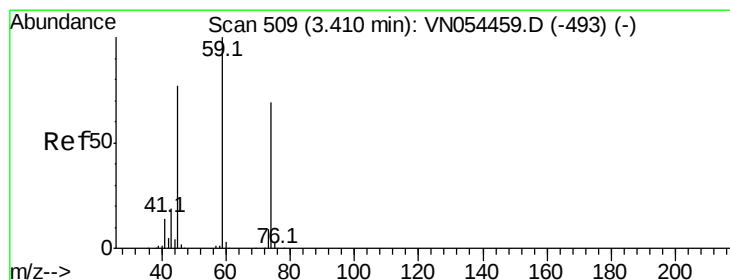
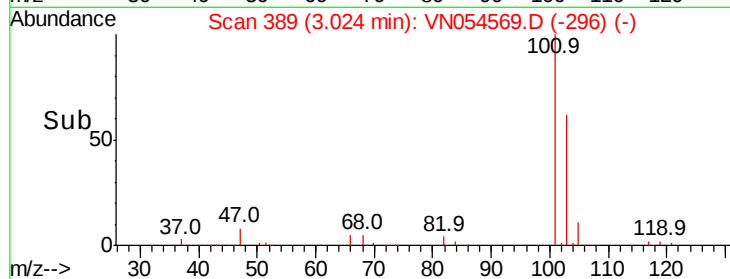
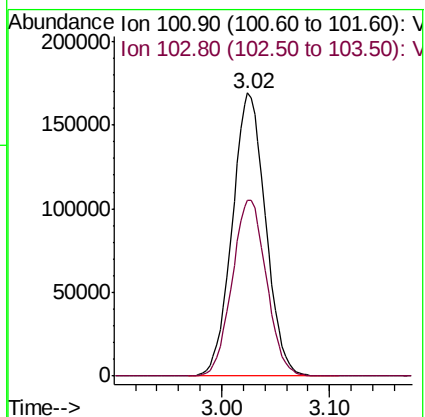
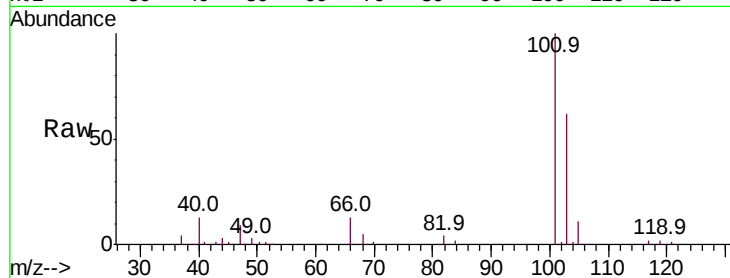
103 62.3 51.4 77.2

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#8

Diethyl Ether

Concen: 45.392 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

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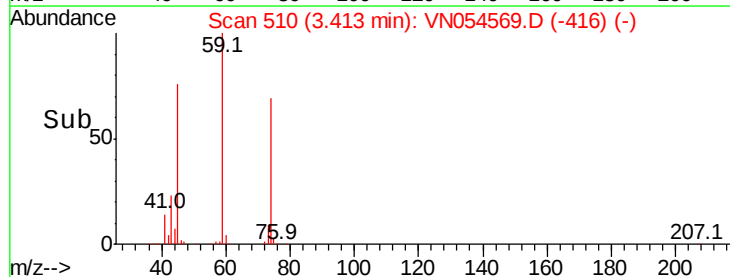
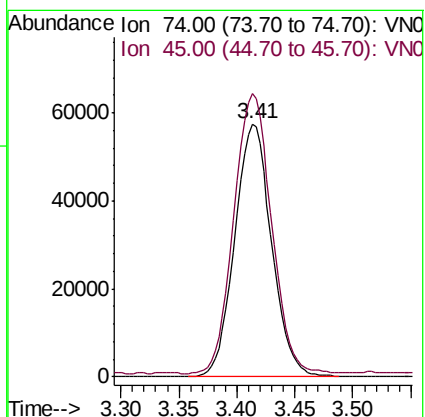
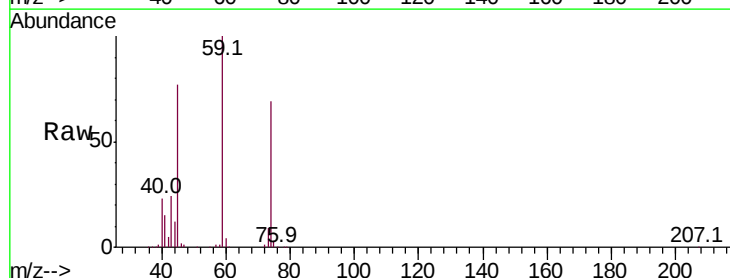
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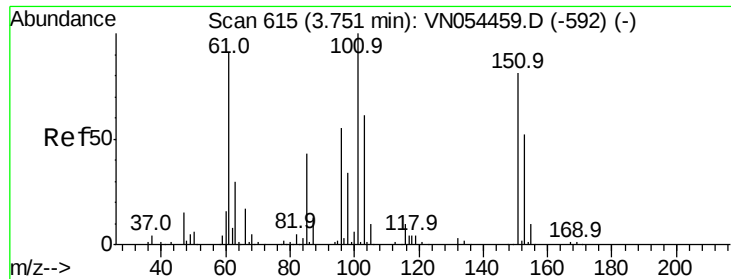
Tgt Ion: 74 Resp: 126643

Ion Ratio Lower Upper

74 100

45 113.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.234 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

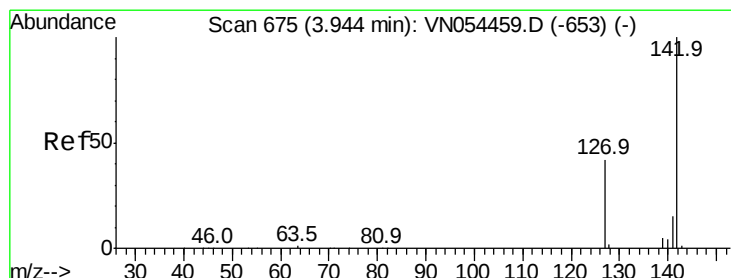
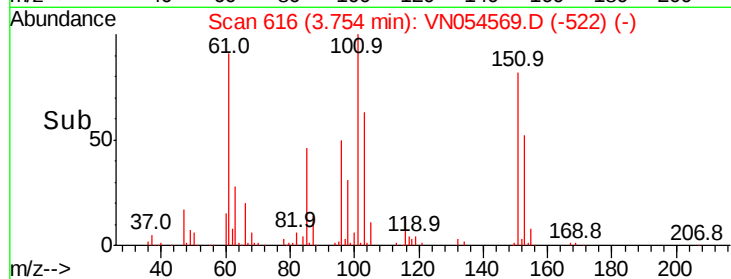
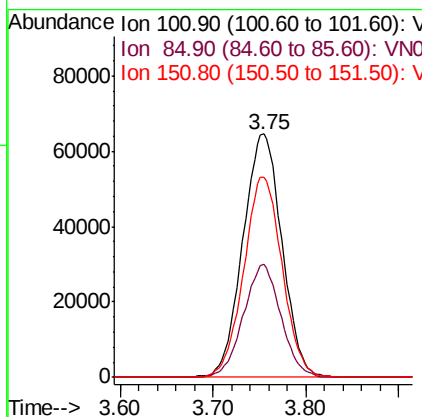
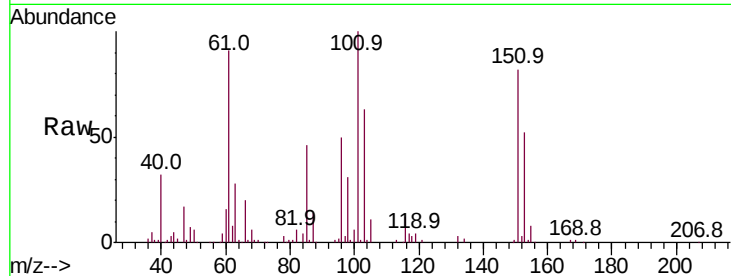
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	188587
Ion Ratio	Lower	Upper	
101	100		
85	44.4	32.4	48.6
151	80.8	68.2	102.2

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#10

Methyl Iodide

Concen: 45.425 ug/l

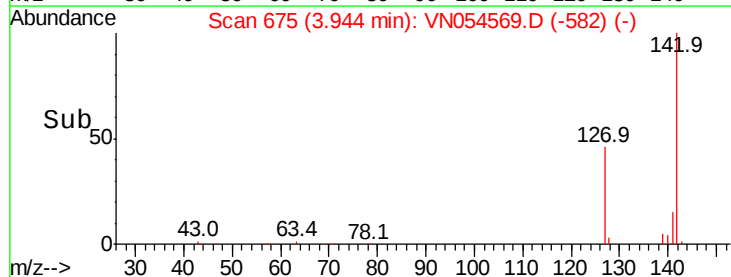
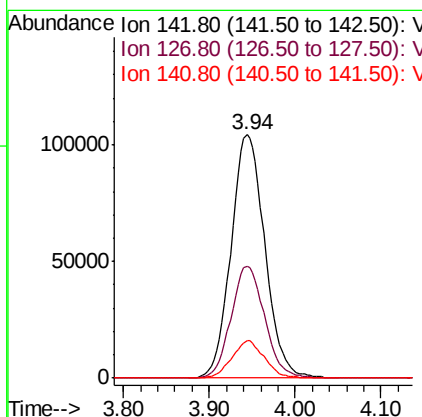
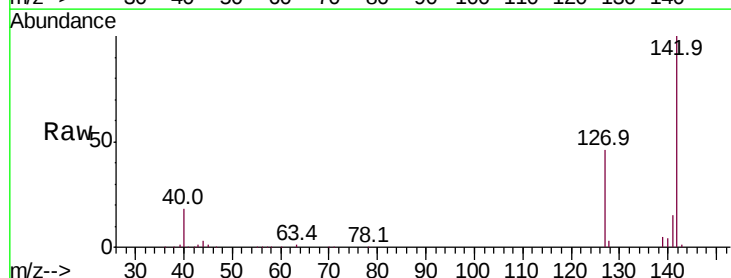
RT: 3.94 min Scan# 675

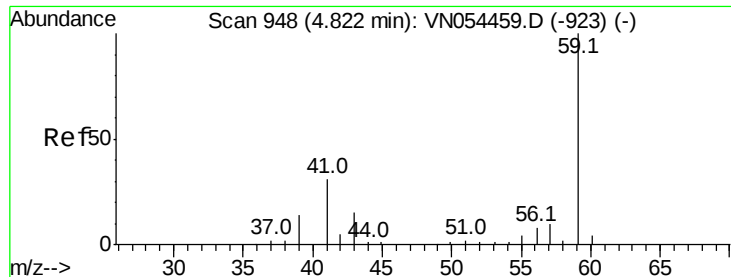
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion:	142	Resp:	284879
Ion Ratio	Lower	Upper	
142	100		
127	45.7	30.3	45.5#
141	14.8	11.2	16.8





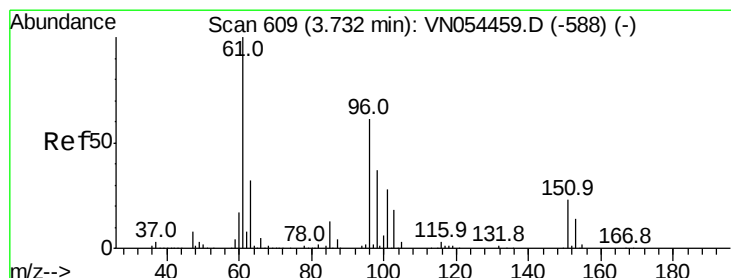
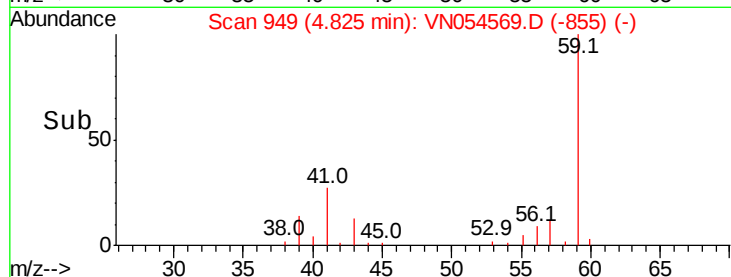
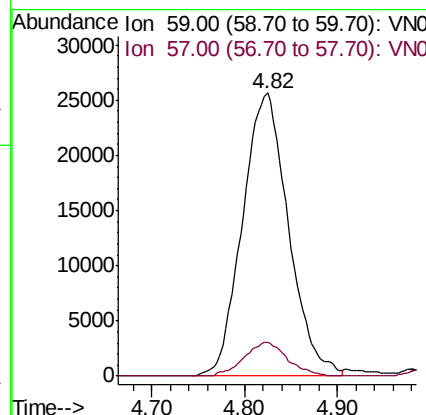
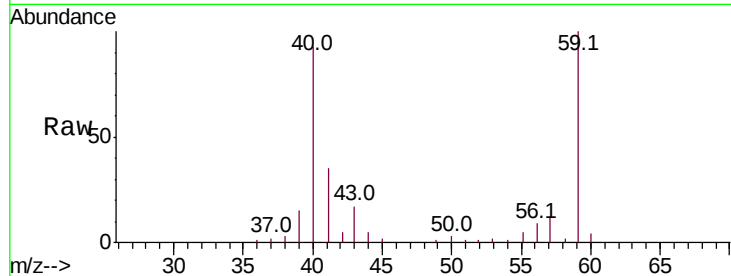
#11
Tert butyl alcohol
Concen: 256.645 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 88406
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.6

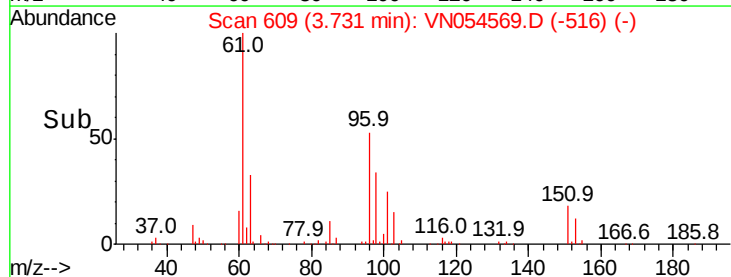
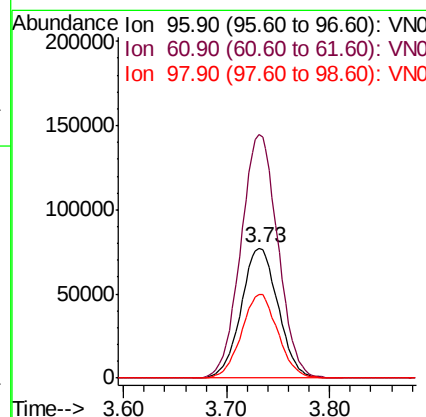
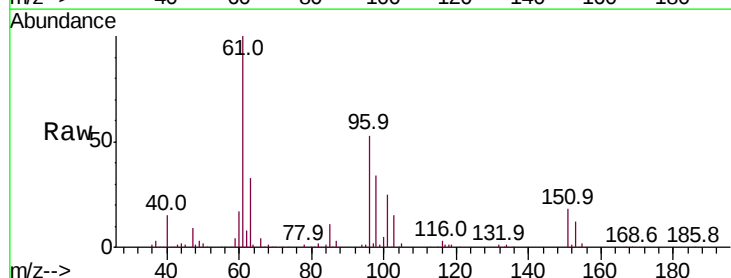
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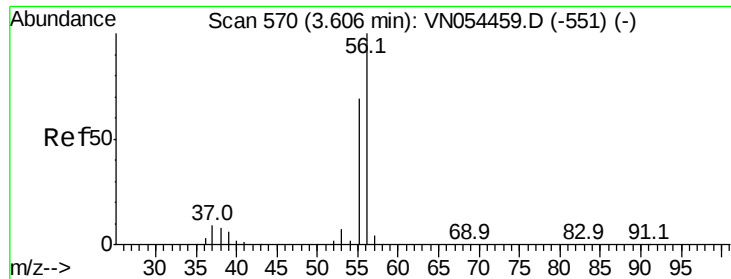
MMDadoda
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#12
1,1-Dichloroethene
Concen: 43.505 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 96 Resp: 191949
Ion Ratio Lower Upper
96 100
61 187.2 116.5 174.7#
98 64.2 51.0 76.4





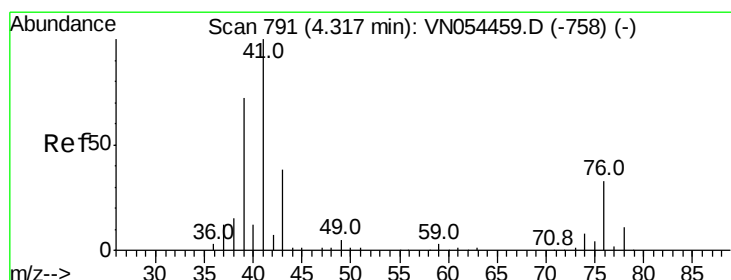
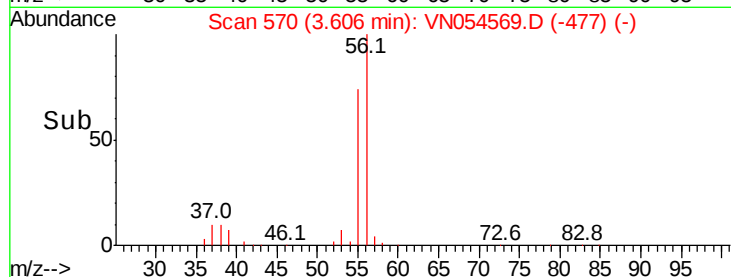
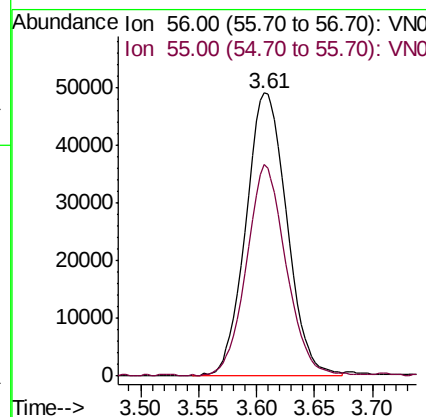
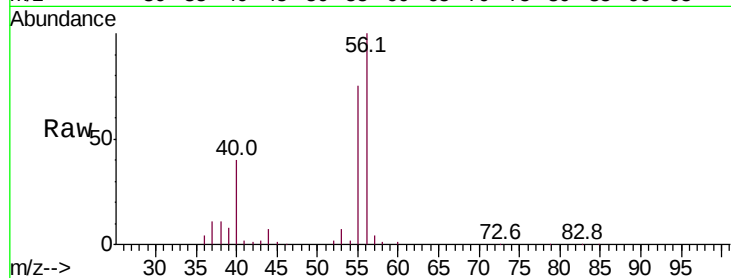
#13
Acrolein
Concen: 254.491 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Ratio	Lower	Upper
56	100			
55	71.0	56.7	85.1	

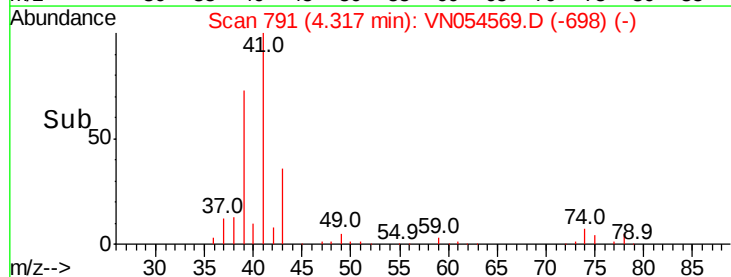
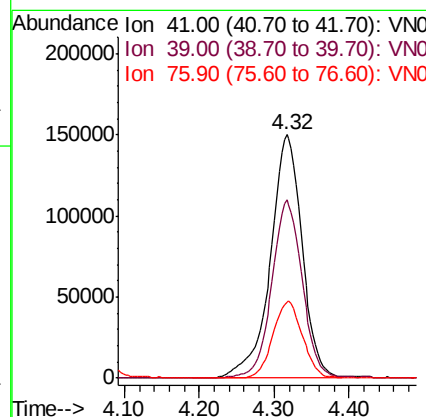
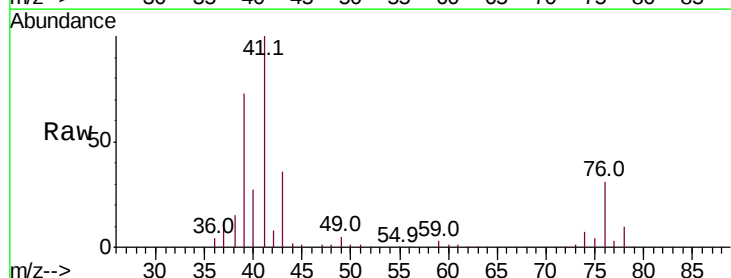
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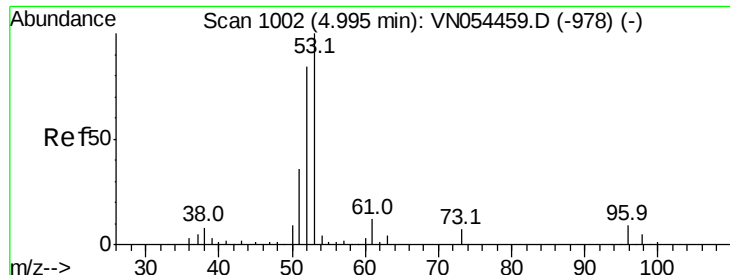
MMDadoda
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#14
Allyl chloride
Concen: 53.312 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	41	Ratio	Lower	Upper
41	100			
39	69.6	58.2	87.4	
76	29.2	31.7	47.5	





#15

Acrylonitrile

Concen: 284.149 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

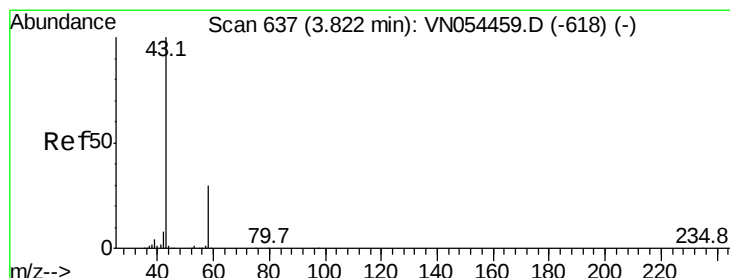
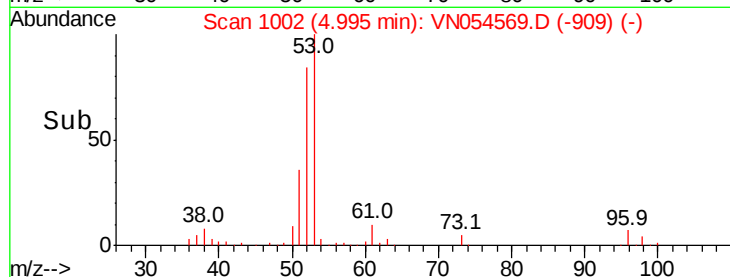
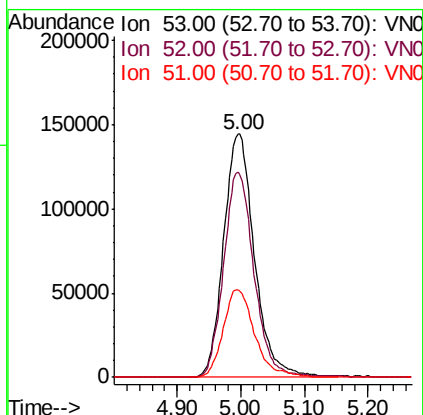
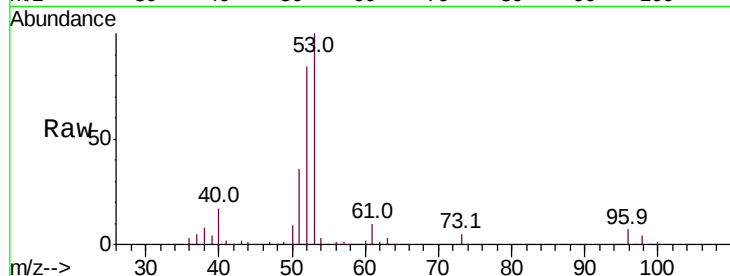
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	487435
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.4	99.6
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 209.784 ug/l

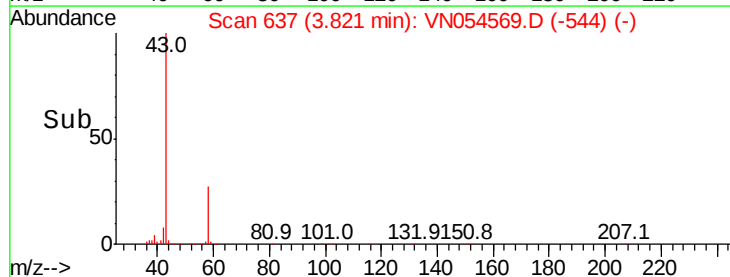
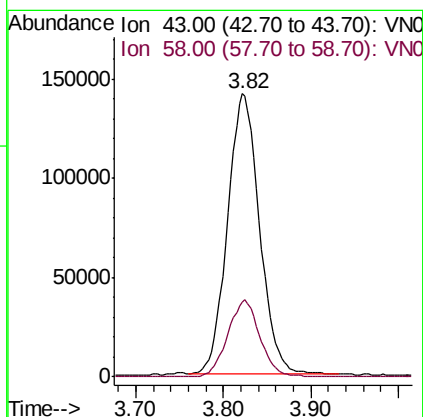
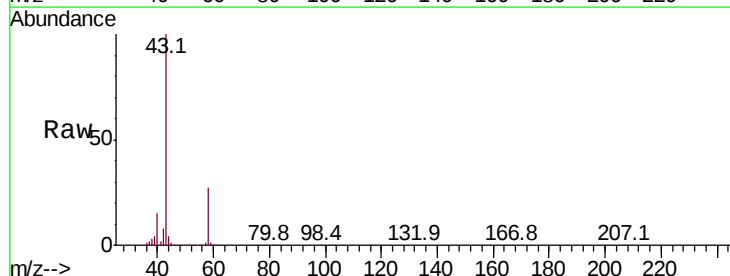
RT: 3.82 min Scan# 637

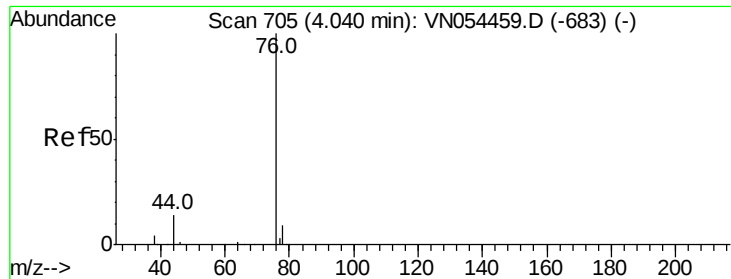
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion:	43	Resp:	358859
Ion Ratio	Lower	Upper	
43	100		
58	26.7	29.9	44.9#





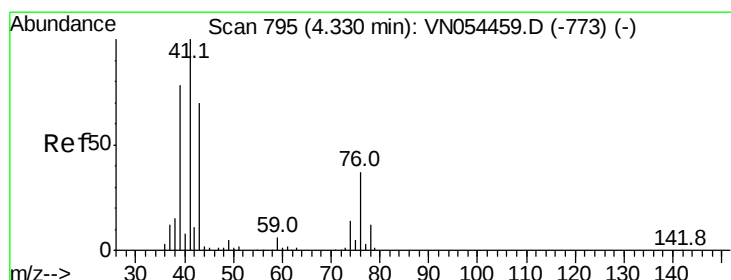
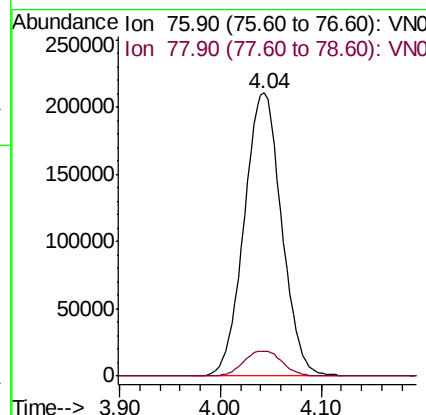
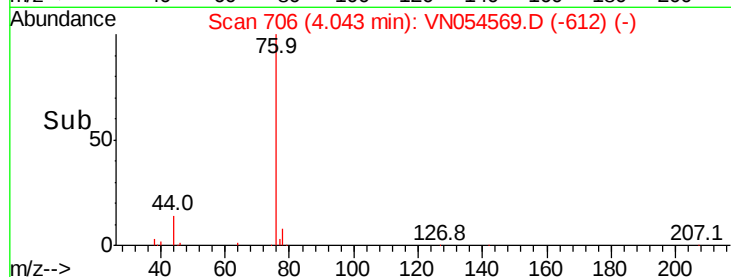
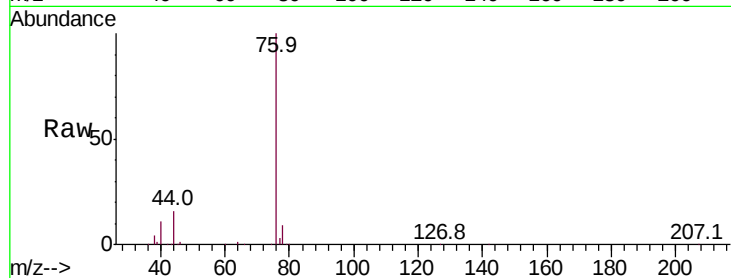
#17
Carbon Disulfide
Concen: 45.880 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 542378
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

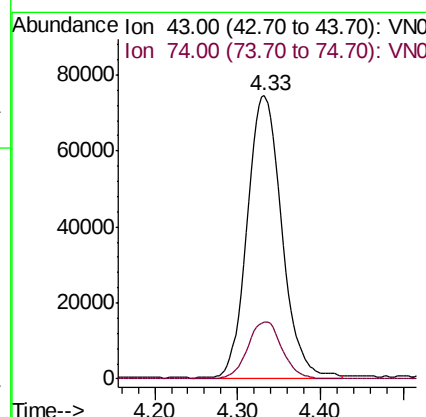
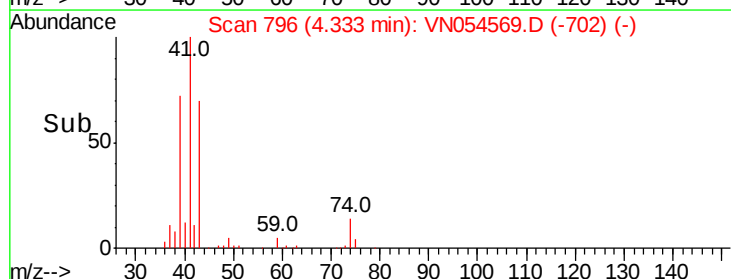
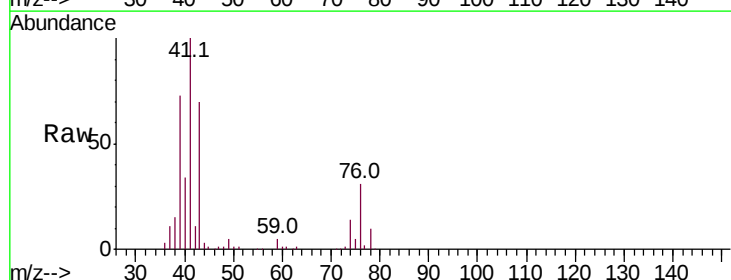
Manual Integrations
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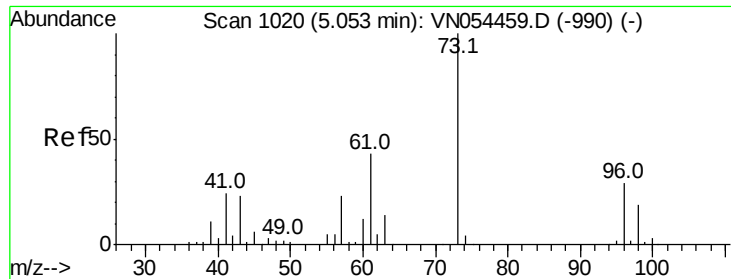
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#18
Methyl Acetate
Concen: 56.451 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 43 Resp: 215235
Ion Ratio Lower Upper
43 100
74 20.2 20.8 31.2#





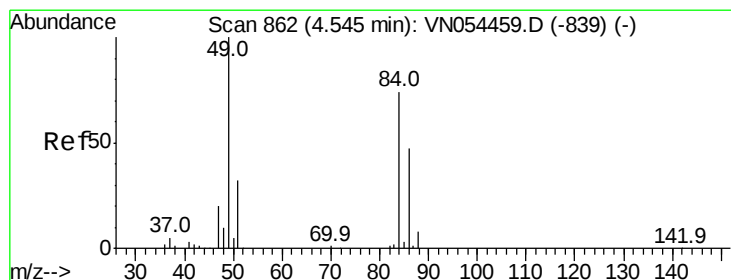
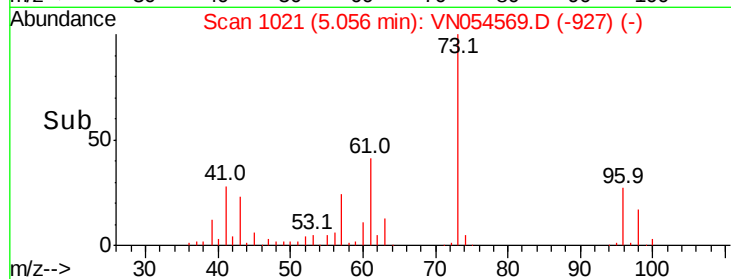
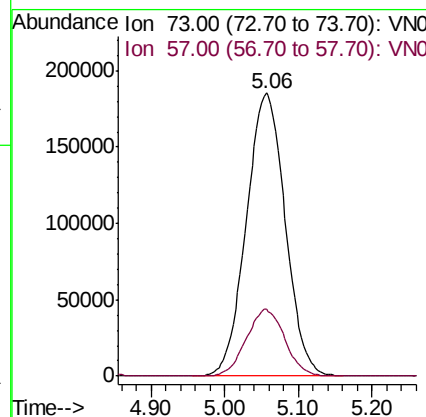
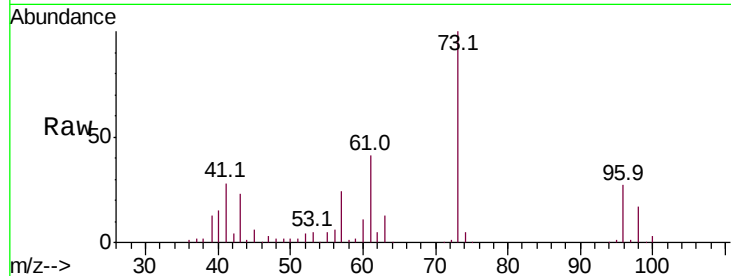
#19
Methvl tert-butvl Ether
Concen: 52.873 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	16.8	25.2

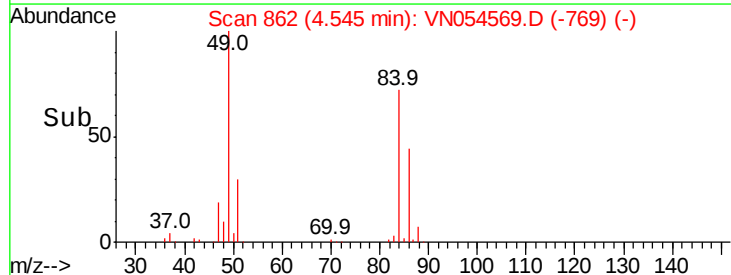
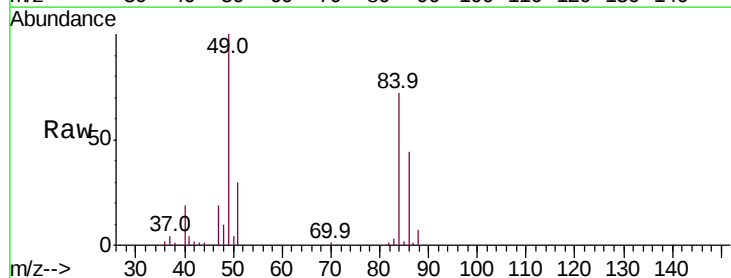
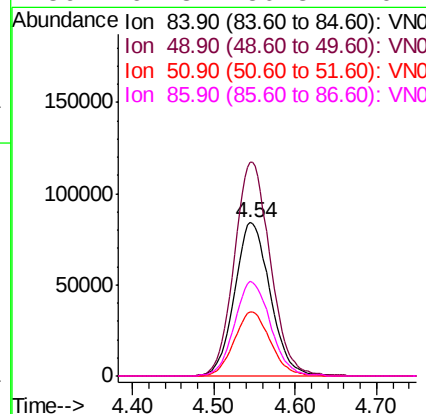
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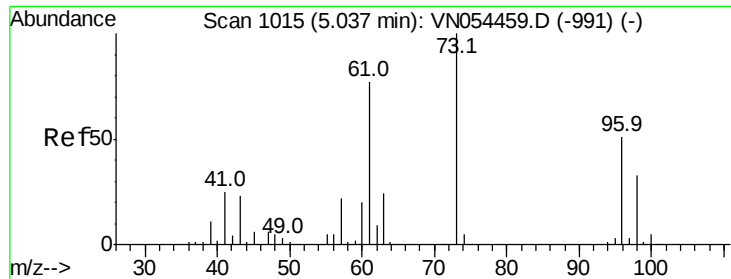
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#20
Methylene Chloride
Concen: 50.653 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.0	89.7	134.5#
51	42.1	28.2	42.4
86	61.3	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 52.621 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 237072

Ion Ratio Lower Upper

96 100

61 148.7 102.8 154.2

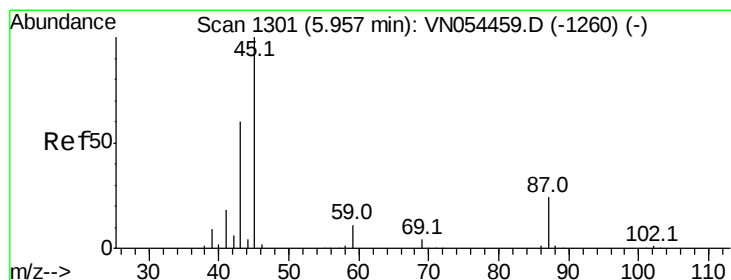
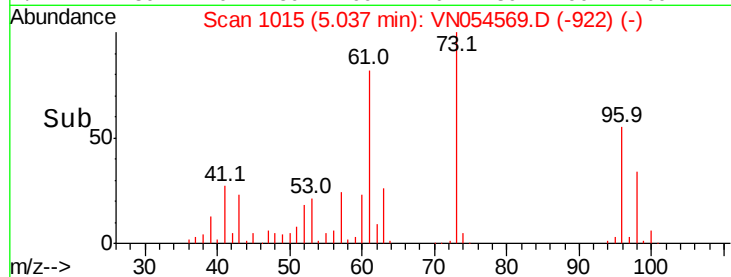
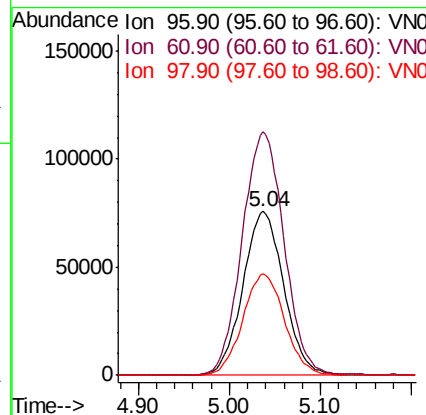
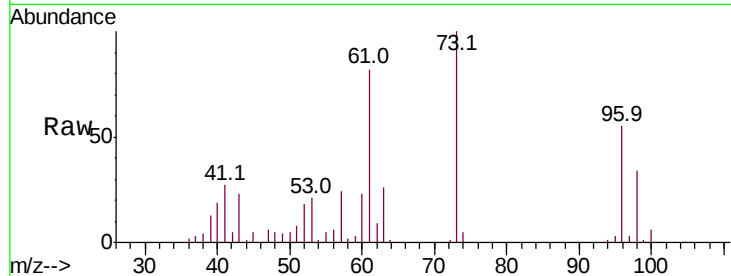
98 61.8 50.0 75.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.084 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion: 45 Resp: 919104

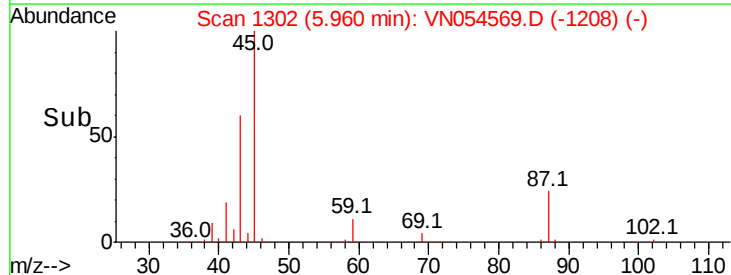
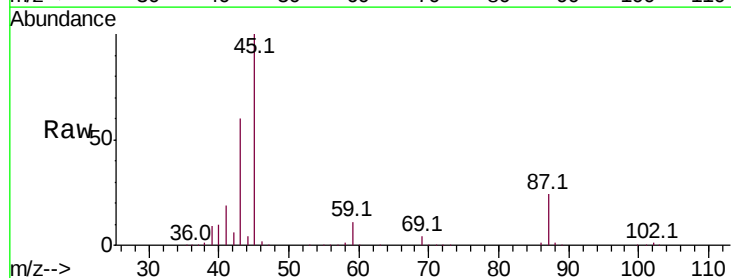
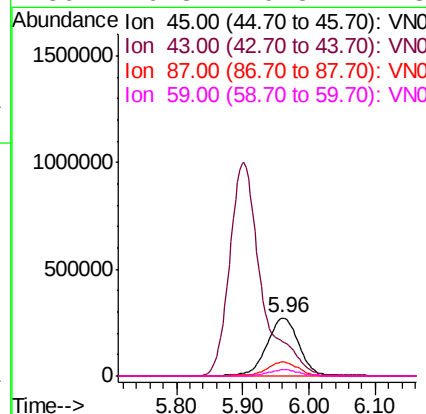
Ion Ratio Lower Upper

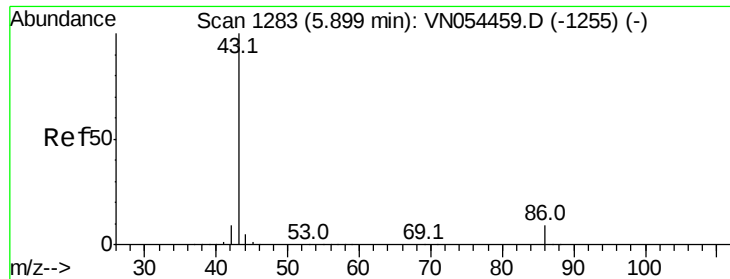
45 100

43 60.0 48.2 72.2

87 23.8 24.9 37.3#

59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 289.209 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3347365

Ion Ratio Lower Upper

43 100

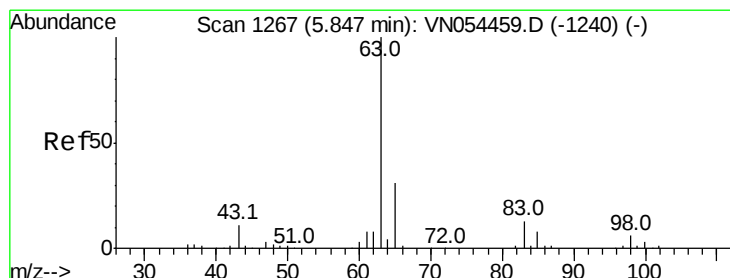
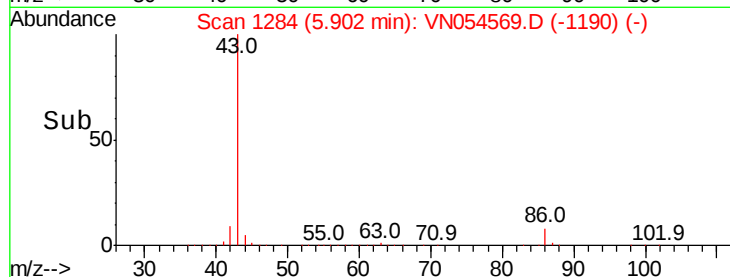
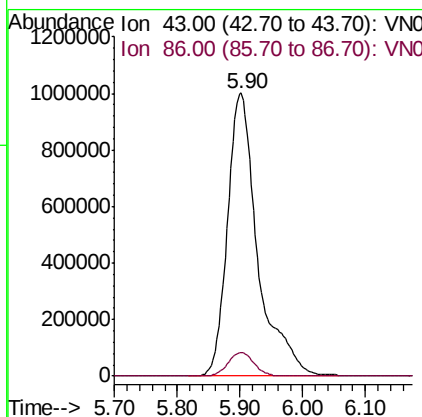
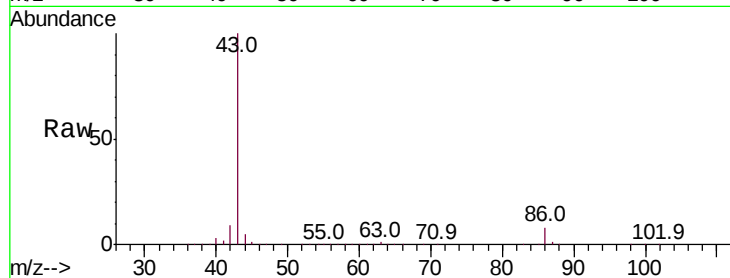
86 8.4 9.1 13.7#

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 54.804 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

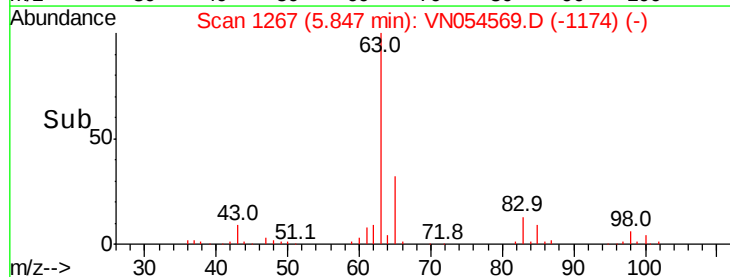
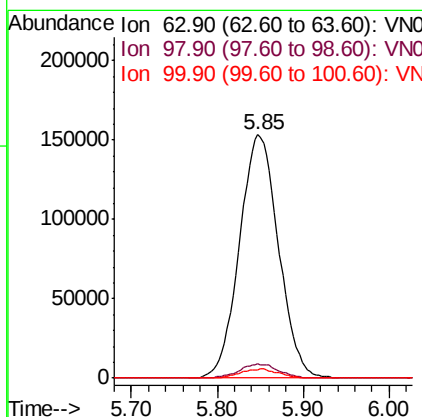
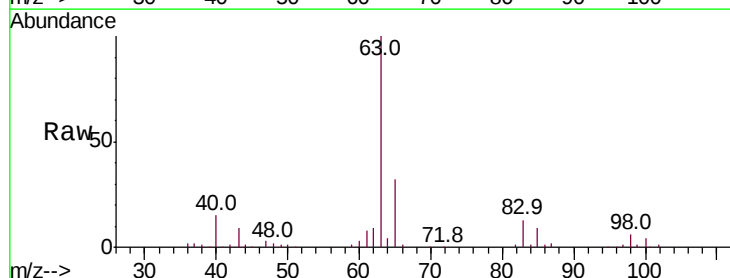
Tgt Ion: 63 Resp: 483580

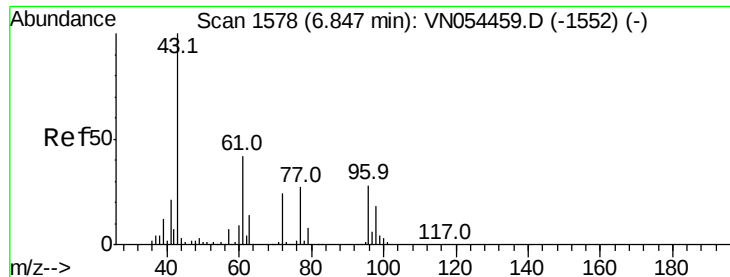
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 277.377 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 607815

Ion Ratio Lower Upper

43 100

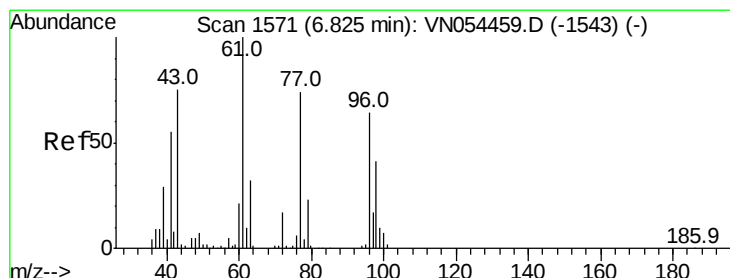
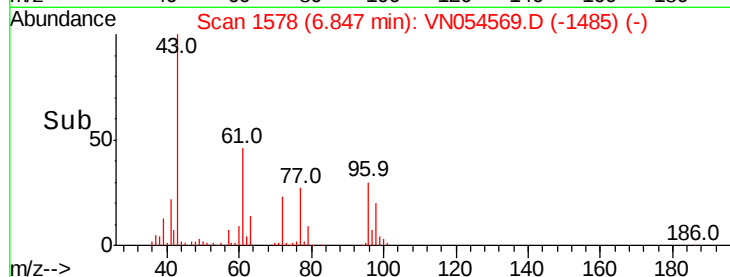
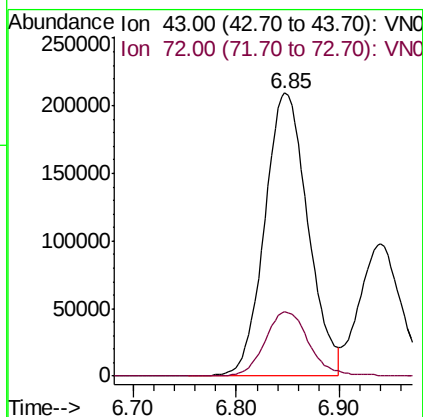
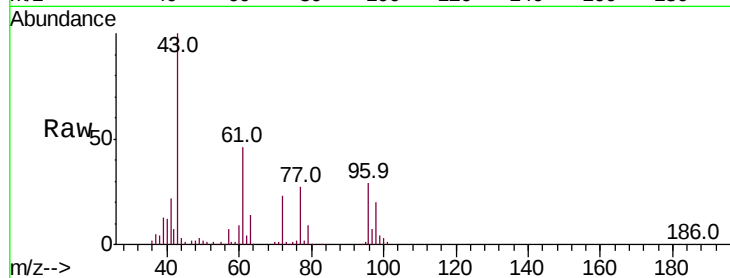
72 22.8 23.0 34.6#

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#26

2,2-Dichloropropane

Concen: 49.426 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054569.D

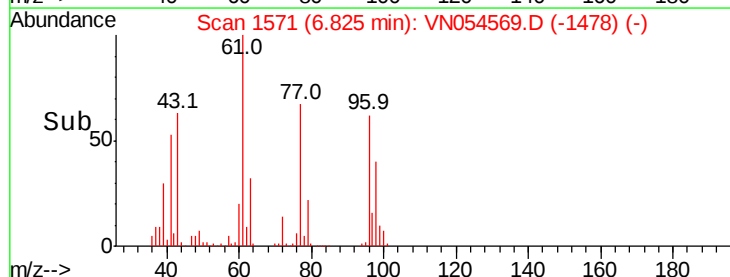
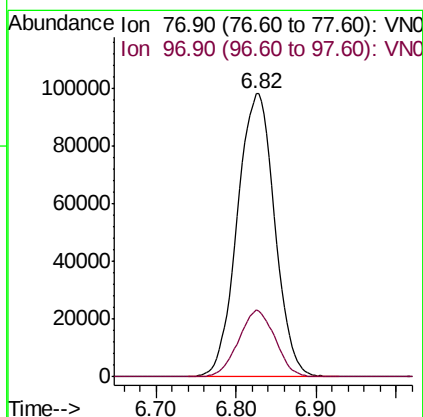
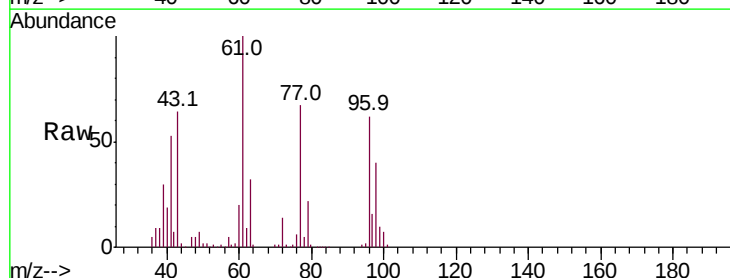
Acq: 22 Mar 2019 20:22

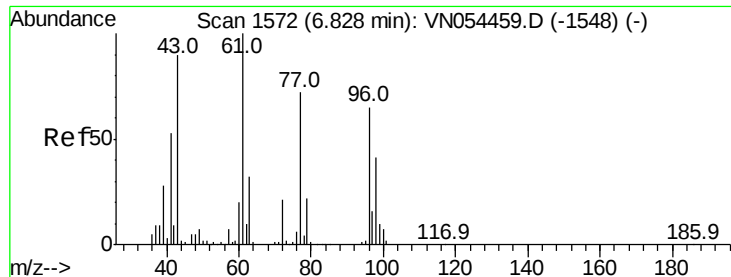
Tgt Ion: 77 Resp: 310891

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.174 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

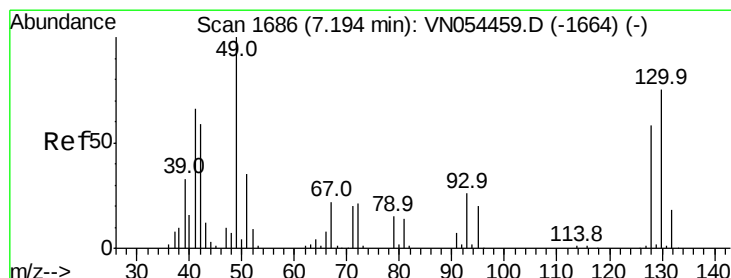
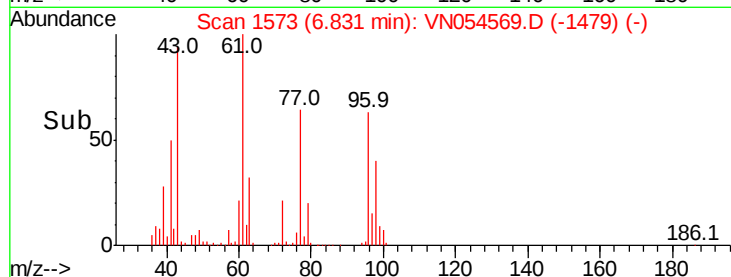
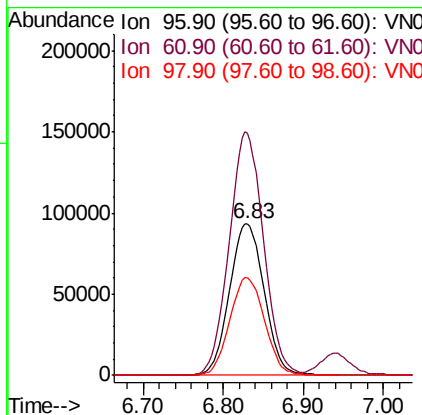
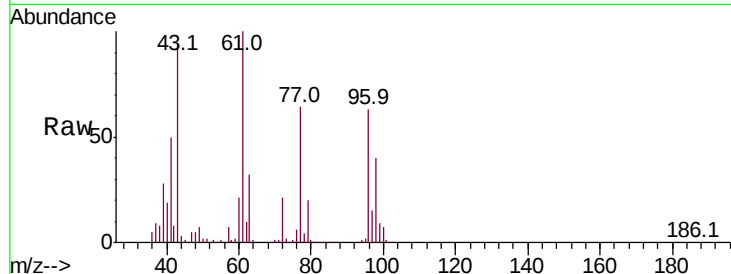
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	274994
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	273.0
98	64.7	0.0	130.6

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#28

Bromochloromethane

Concen: 54.939 ug/l

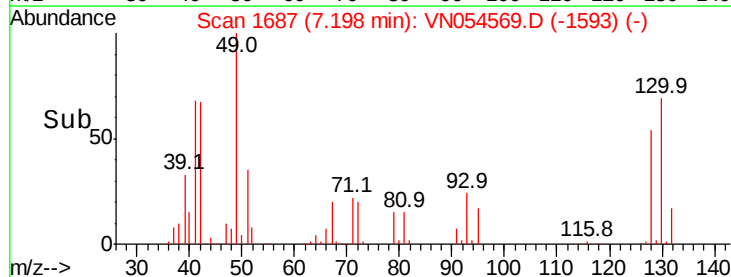
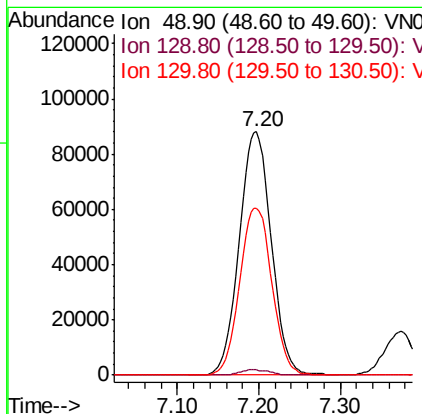
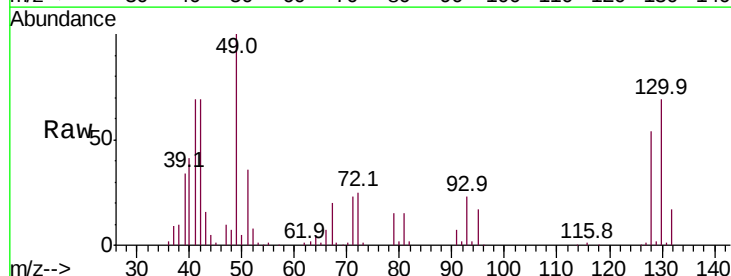
RT: 7.20 min Scan# 1687

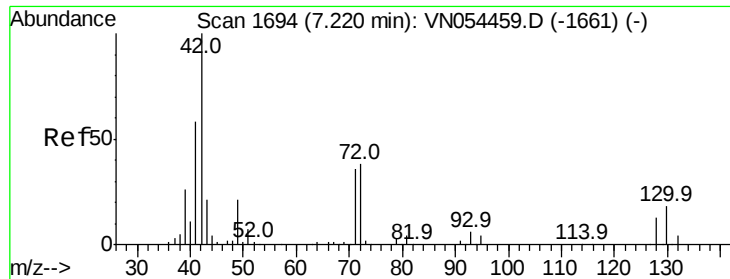
Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion:	49	Resp:	238613
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	68.9	76.7	115.1#





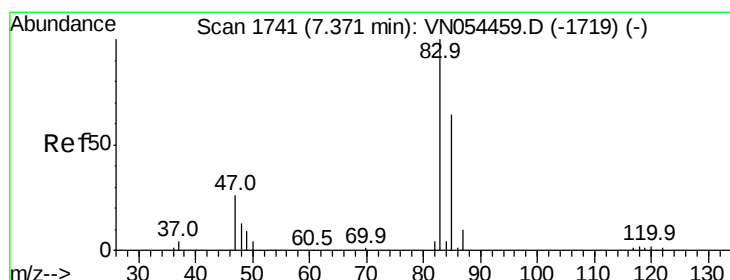
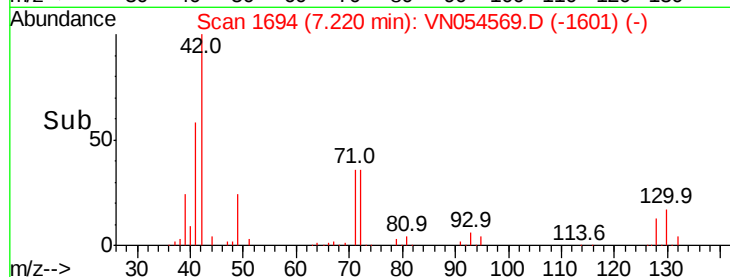
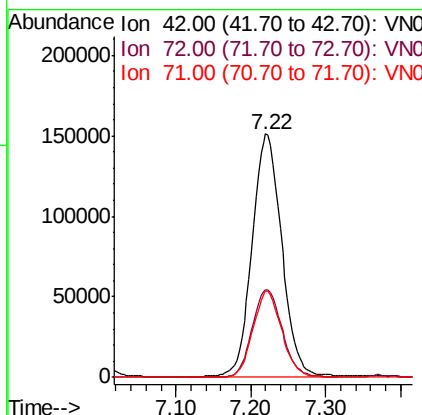
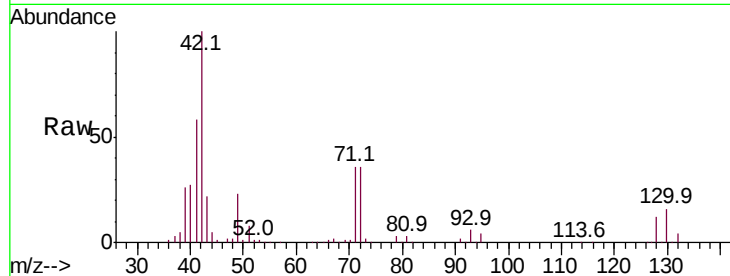
#29
Tetrahydrofuran
Concen: 292.302 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	37.8	56.6#
71	34.6	36.2	54.2#

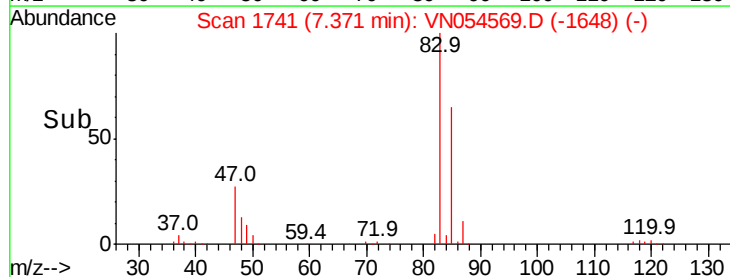
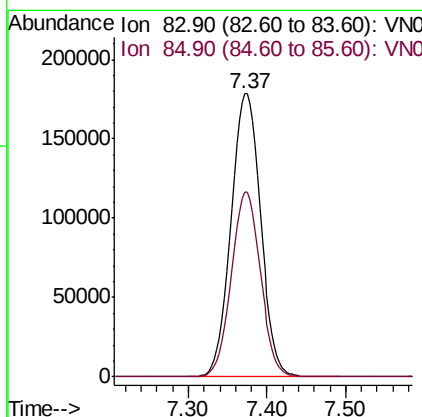
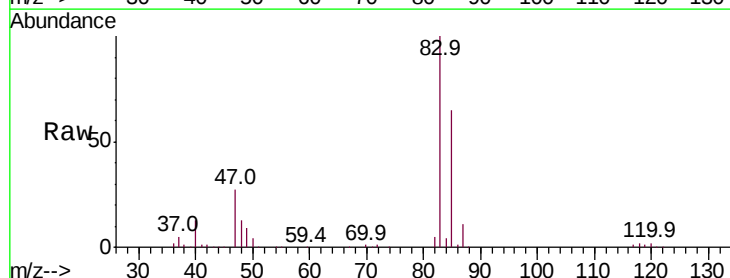
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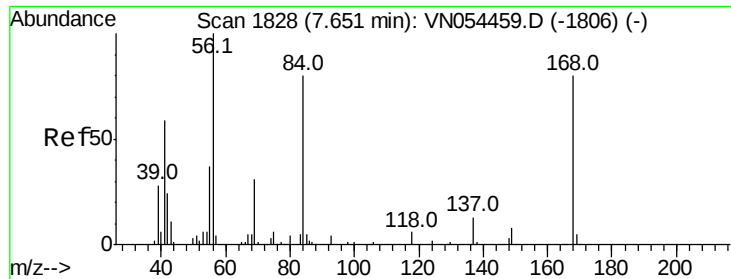
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#30
Chloroform
Concen: 54.420 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4





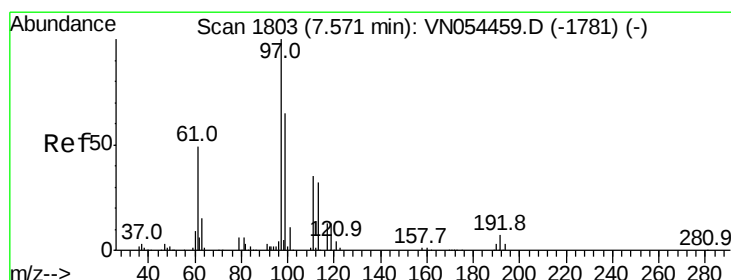
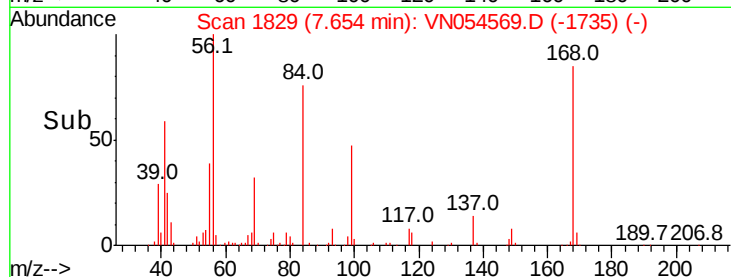
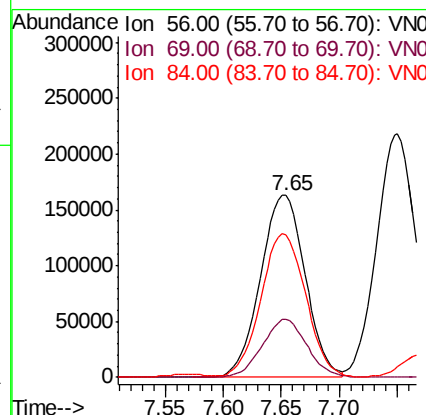
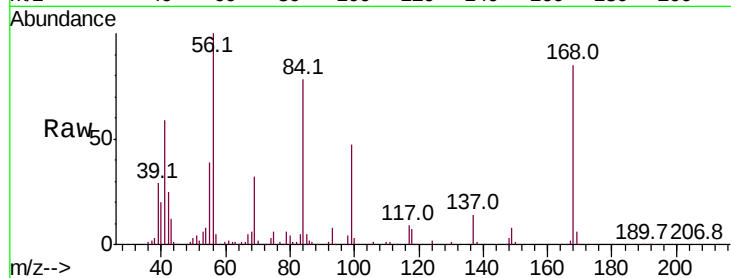
#31
Cyclohexane
Concen: 51.811 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.8	41.6
84	76.7	74.6	111.8

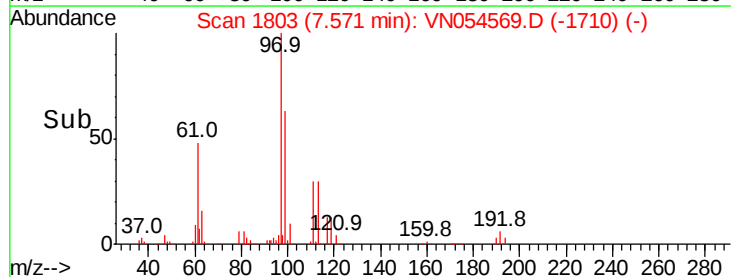
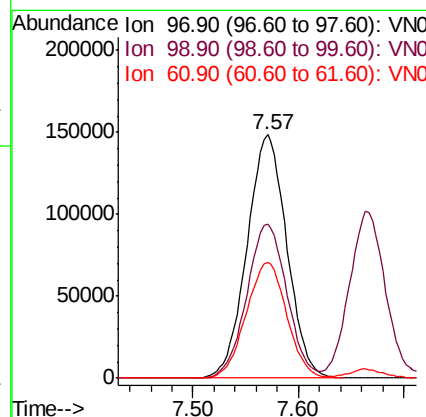
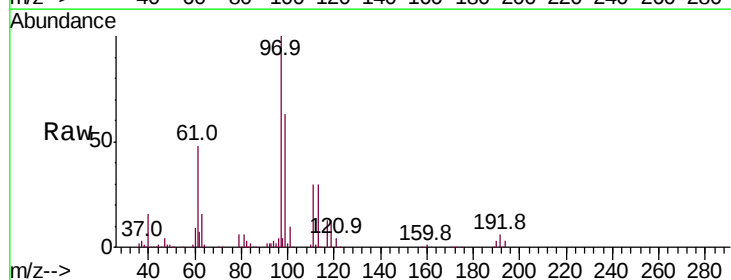
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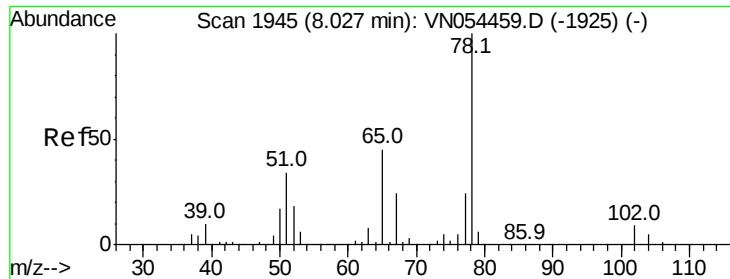
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#32
1,1,1-Trichloroethane
Concen: 54.878 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	48.5	33.6	50.4





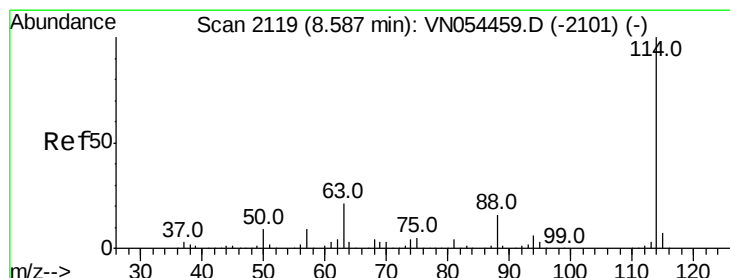
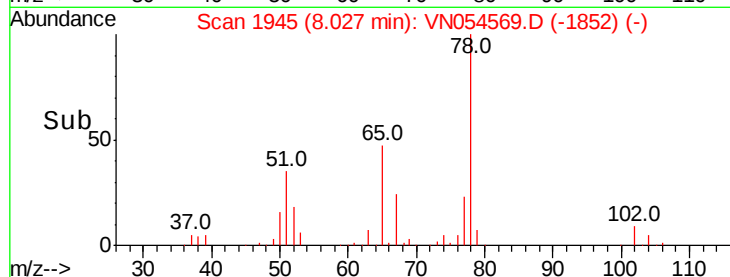
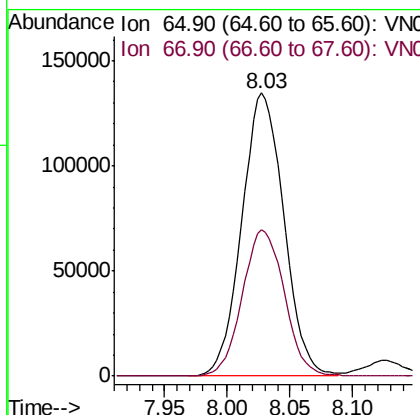
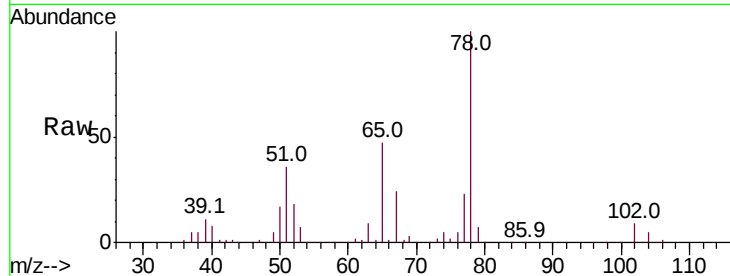
#33
 1,2-Dichloroethane-d4
 Concen: 55.212 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.6	

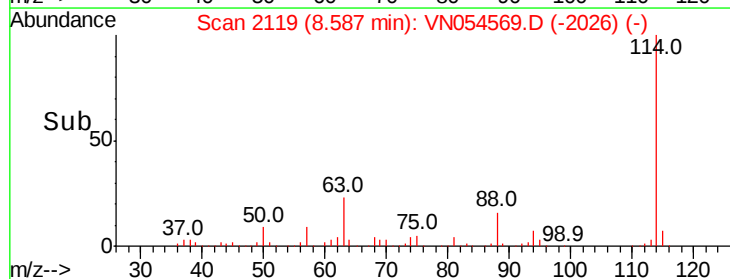
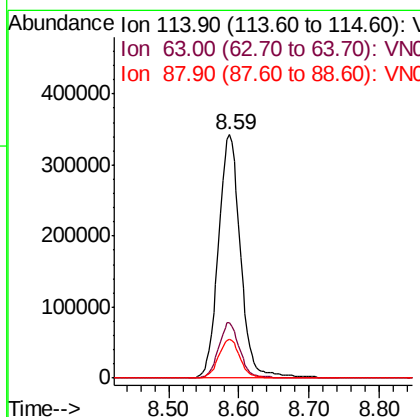
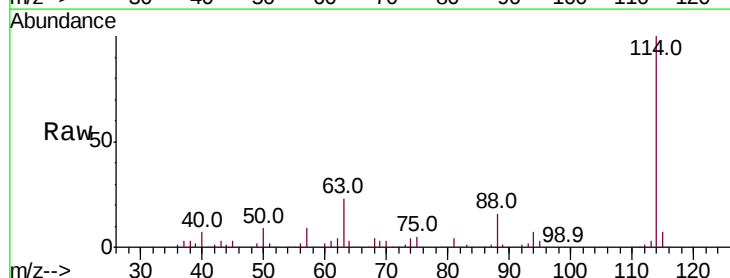
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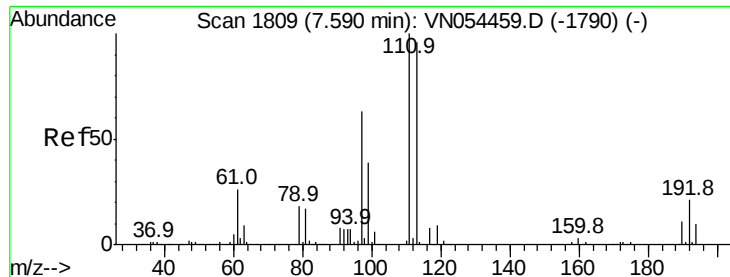
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	35.2	
88	16.0	0.0	30.2	





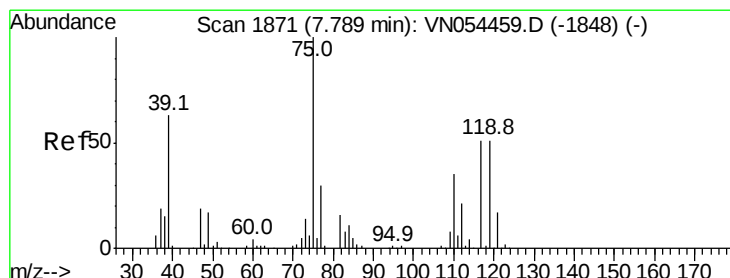
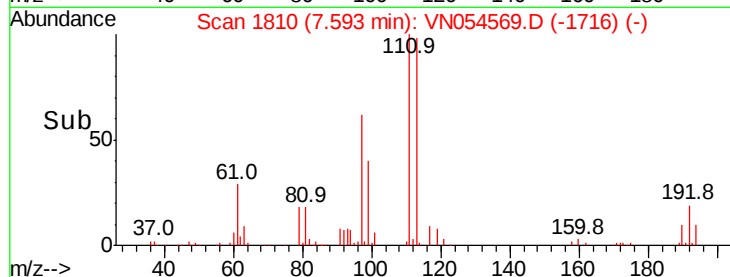
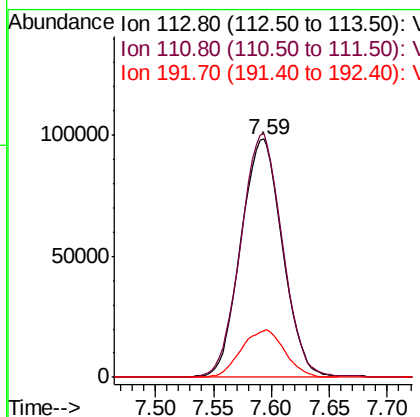
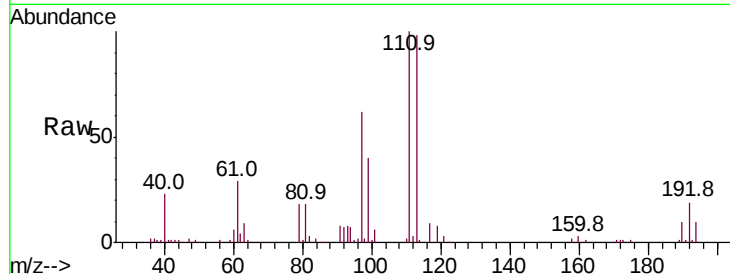
#35
 Dibromofluoromethane
 Concen: 51.164 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.2	123.4	
192	20.8	19.2	28.8	

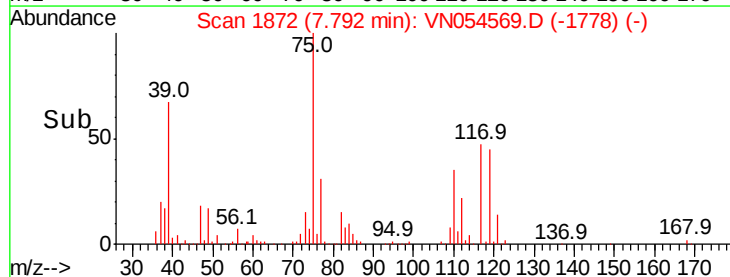
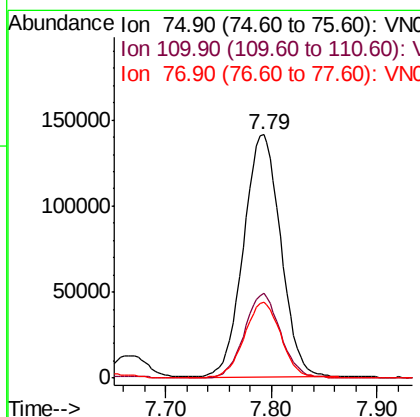
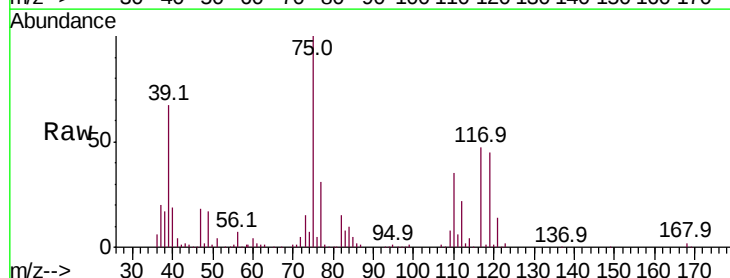
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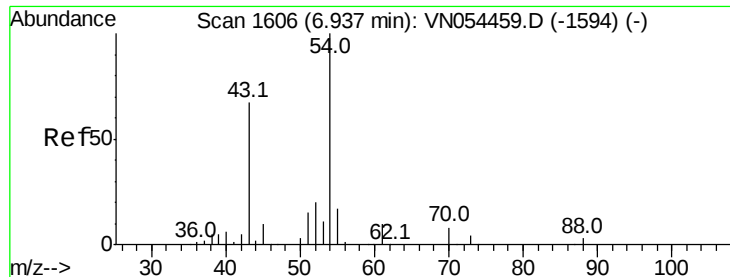
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#36
 1,1-Dichloropropene
 Concen: 49.514 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.9	19.1	57.5	
77	31.3	25.0	37.4	





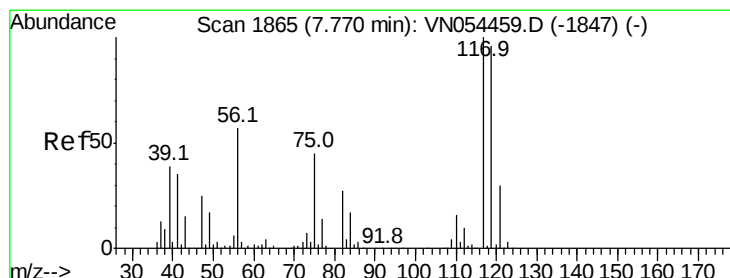
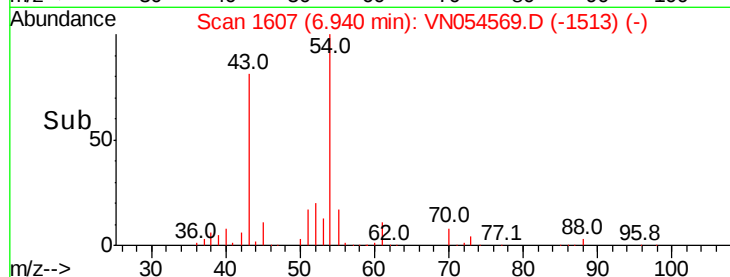
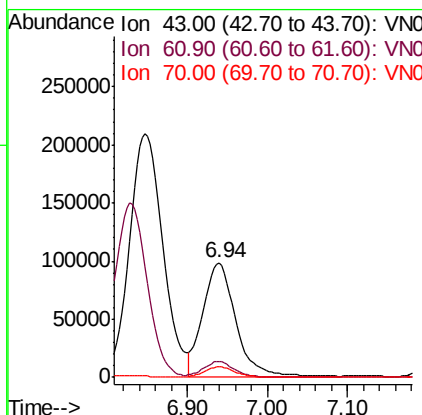
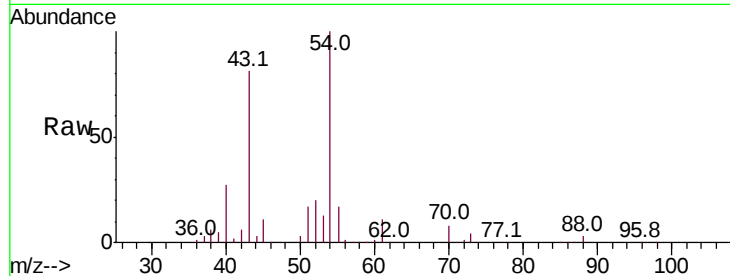
#37
Ethyl Acetate
Concen: 56.215 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	279194
Ion Ratio	100	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	9.1	8.4	12.6

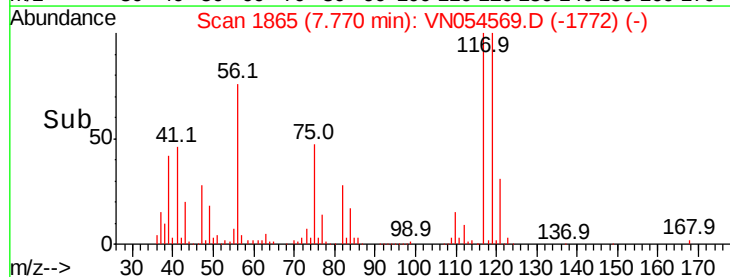
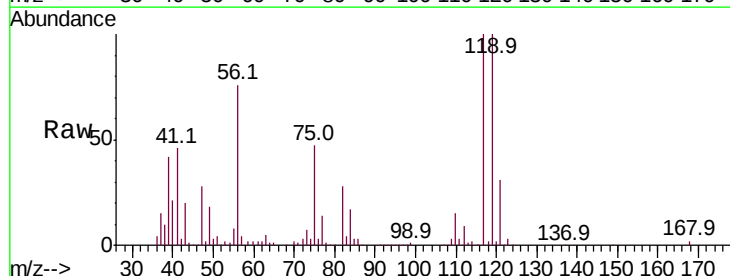
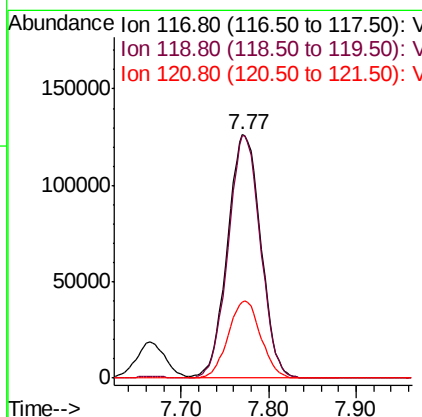
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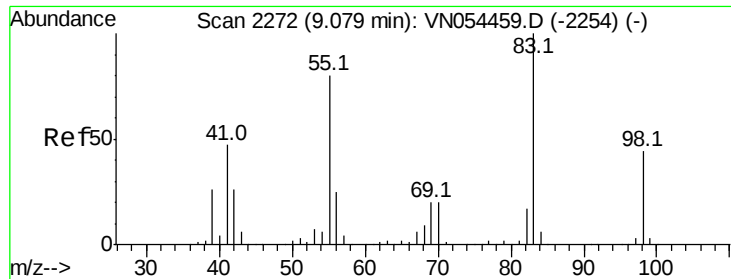
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#38
Carbon Tetrachloride
Concen: 49.262 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	117	Resp	334291
Ion Ratio	100	Lower	Upper
117	100		
119	99.7	76.3	114.5
121	31.2	24.6	36.8





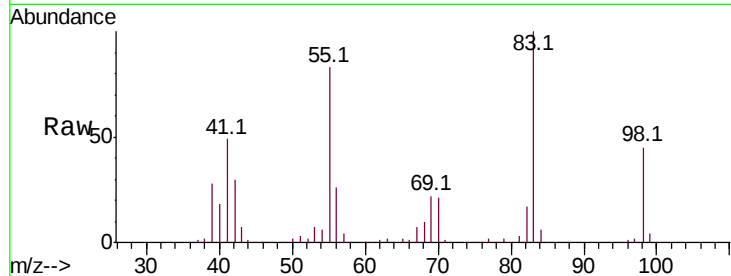
#39
Methvlcvclohexane
Concen: 46.171 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

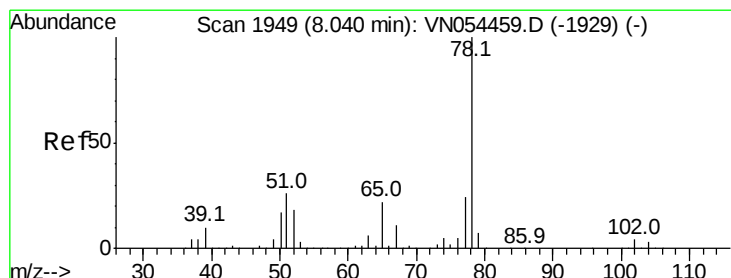
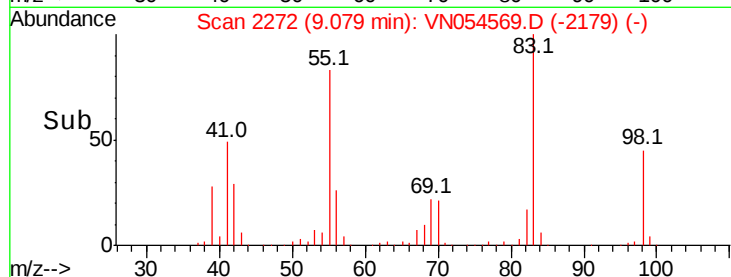
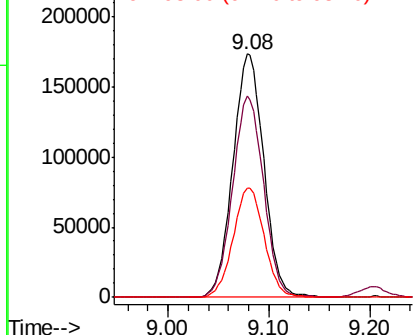
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	56.6	84.8
98	44.7	38.4	57.6

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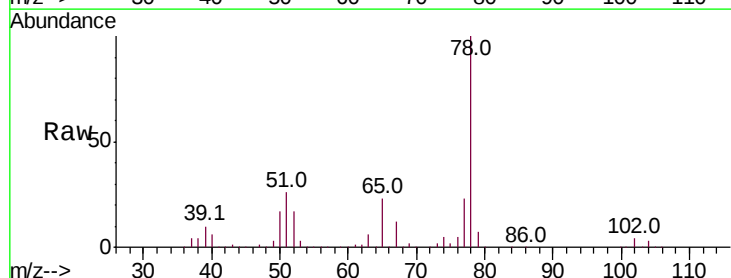


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

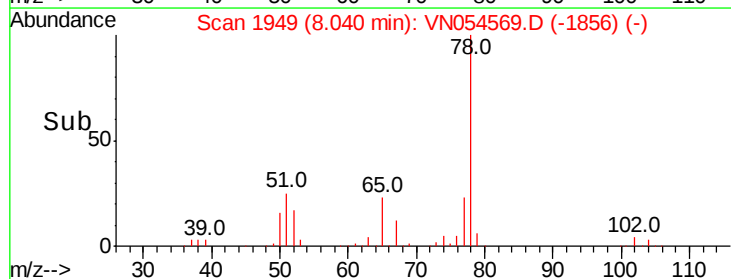
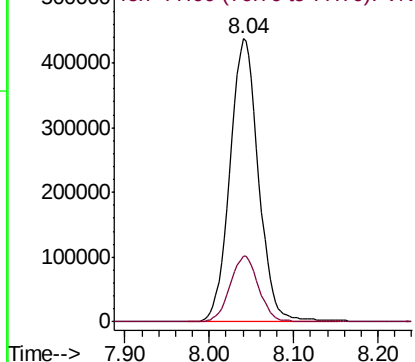


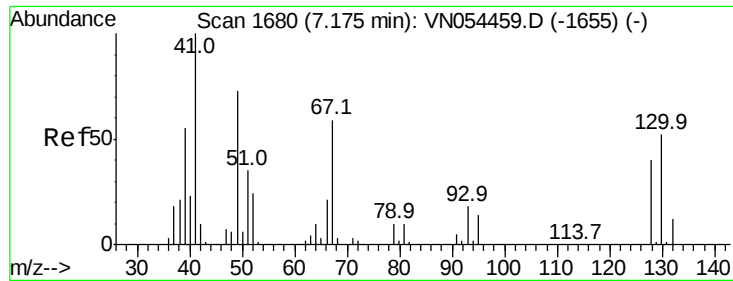
#40
Benzene
Concen: 51.650 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 53.675 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 162574
Ion Ratio Lower Upper

41 100

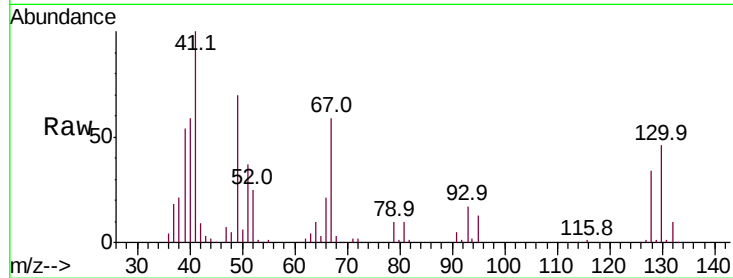
39 54.0 46.8 70.2

67 66.2 67.0 100.4#

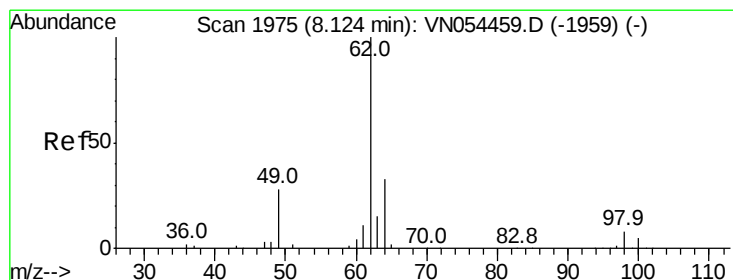
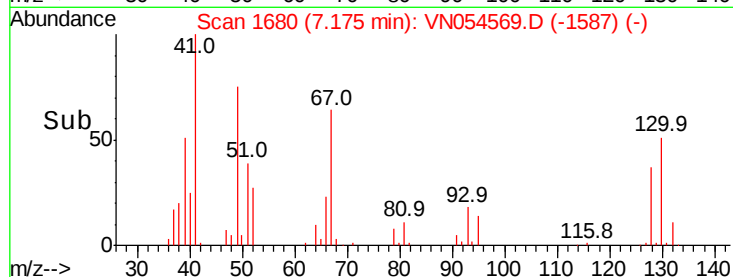
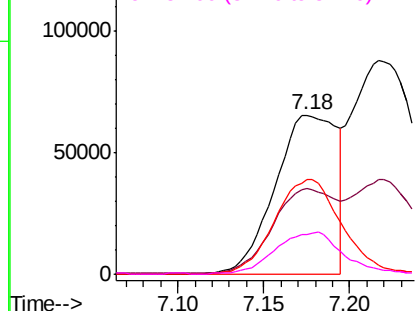
52 28.3 26.5 39.7

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



#42

1,2-Dichloroethane

Concen: 51.605 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

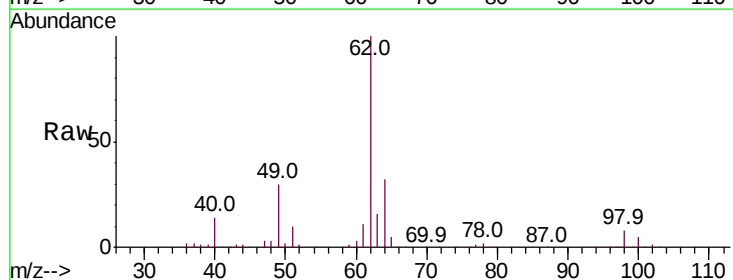
Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

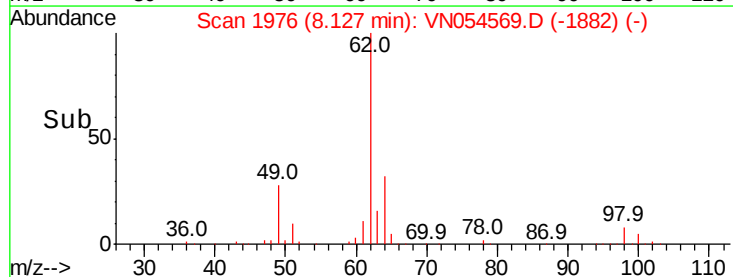
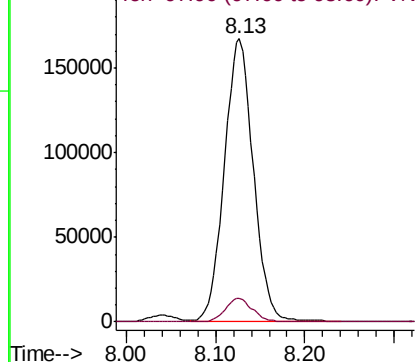
Tgt Ion: 62 Resp: 375274
Ion Ratio Lower Upper

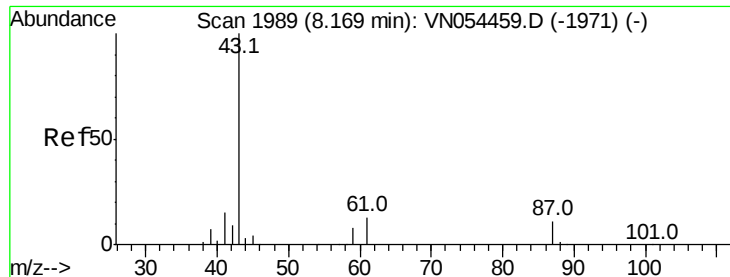
62 100

98 8.0 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 55.672 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

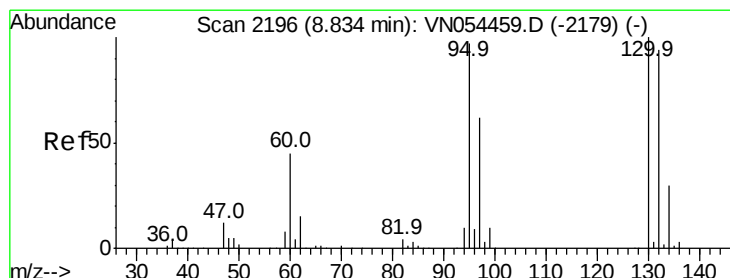
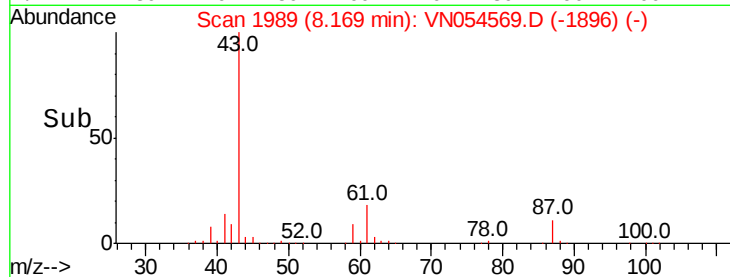
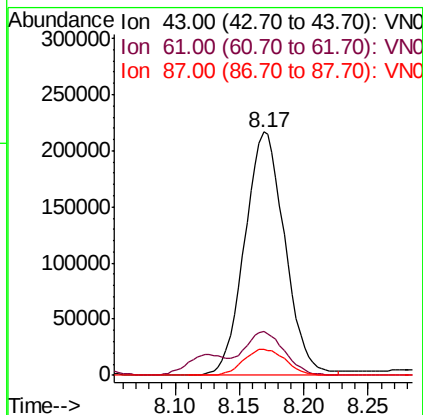
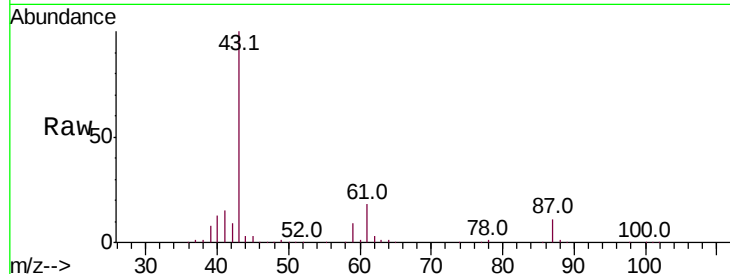
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	466967
Ion	Ratio	Lower	Upper
43	100		
61	16.9	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 47.992 ug/l

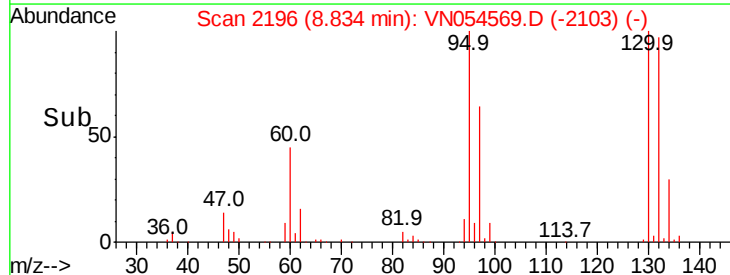
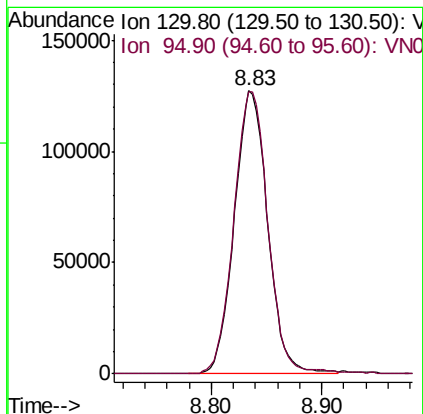
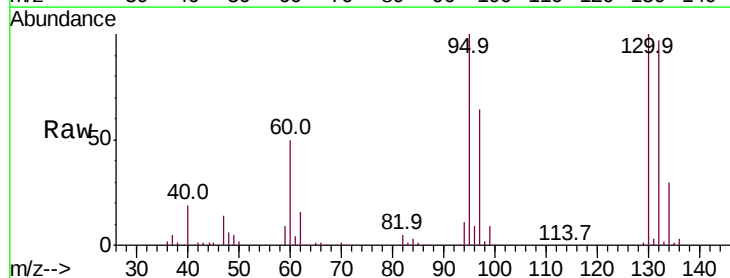
RT: 8.83 min Scan# 2196

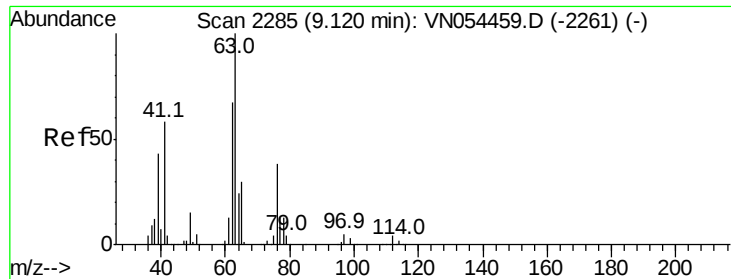
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion:	130	Resp:	266433
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	185.2





#45

1,2-Dichloropropane

Concen: 54.499 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 292219

Ion Ratio Lower Upper

63 100

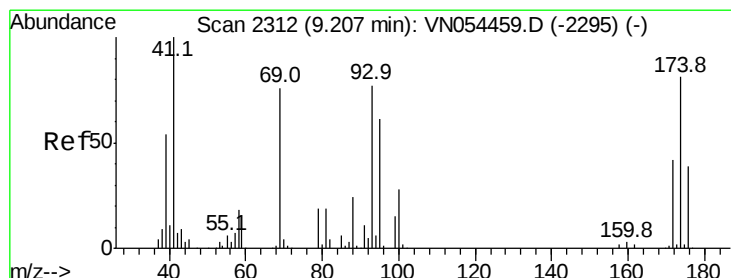
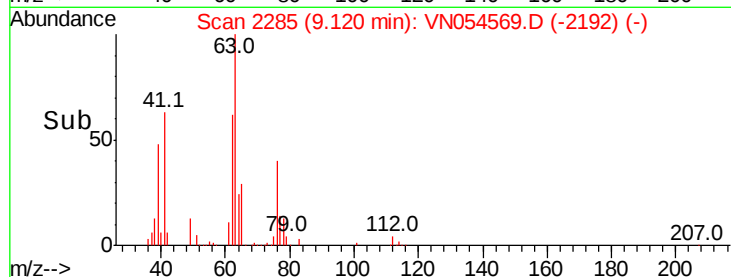
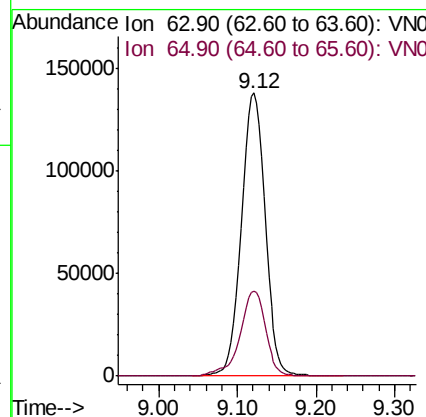
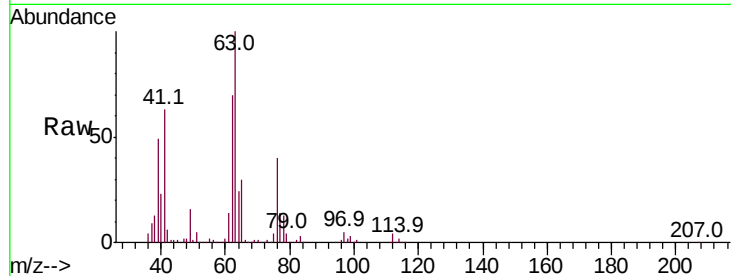
65 30.0 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 52.427 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

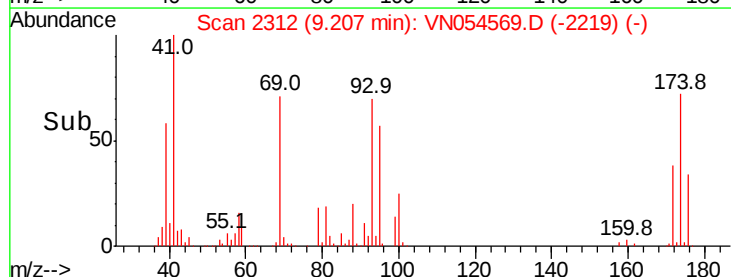
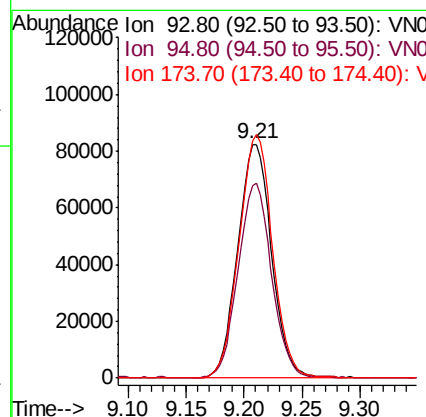
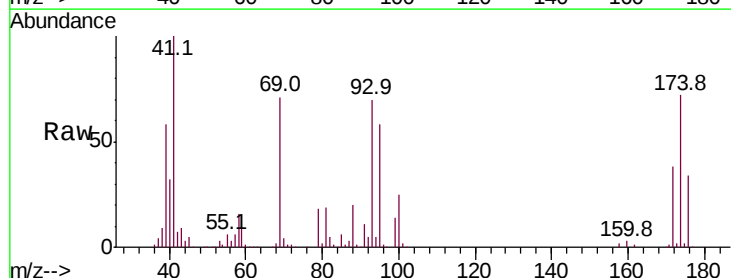
Tgt Ion: 93 Resp: 167702

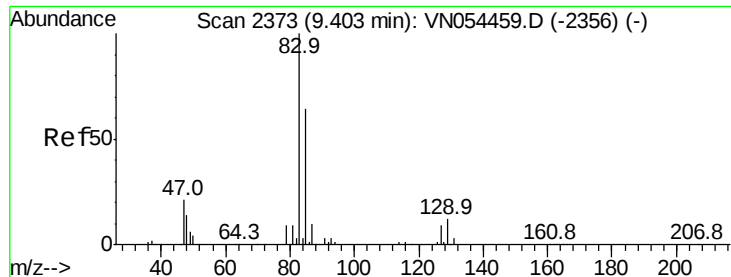
Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 103.4 98.5 147.7





#47

Bromodichloromethane

Concen: 53.502 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

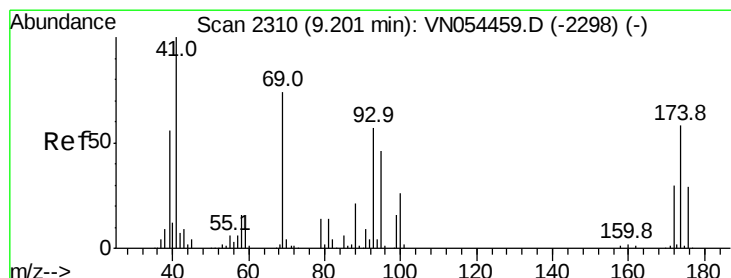
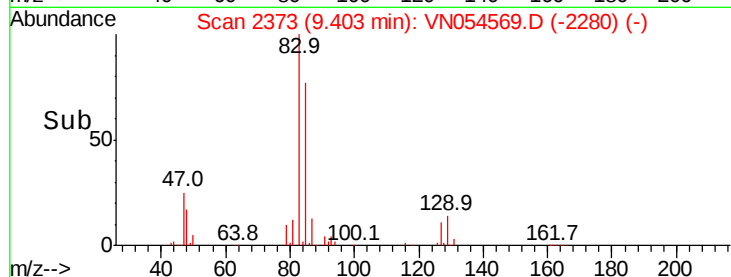
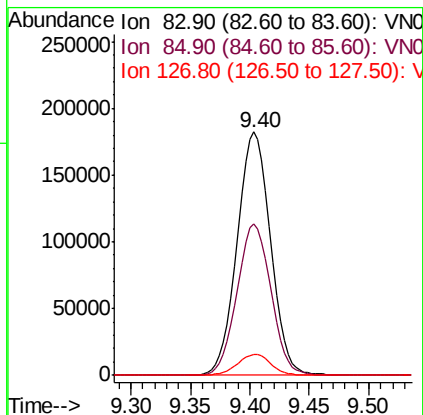
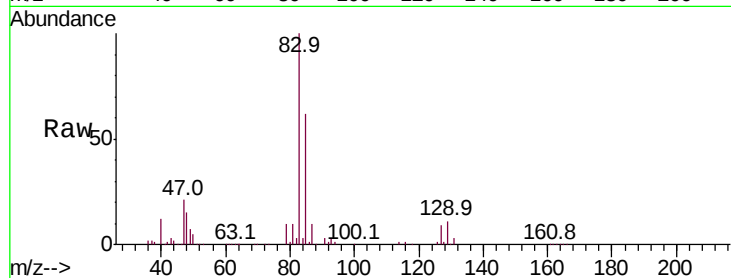
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	355181
Ion Ratio	Lower	Upper	
83	100		
85	62.3	52.8	79.2
127	8.5	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.570 ug/l

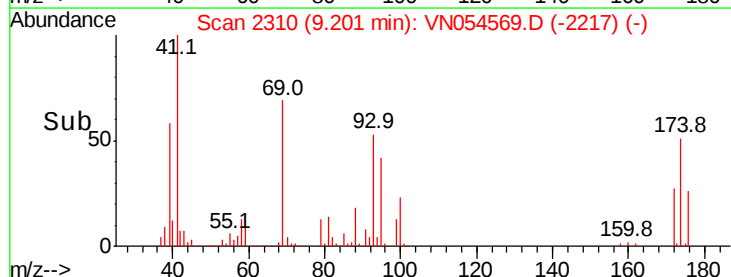
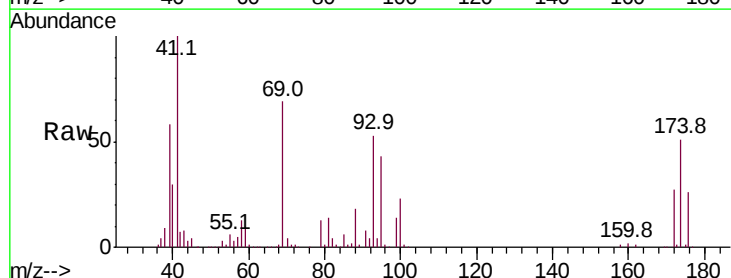
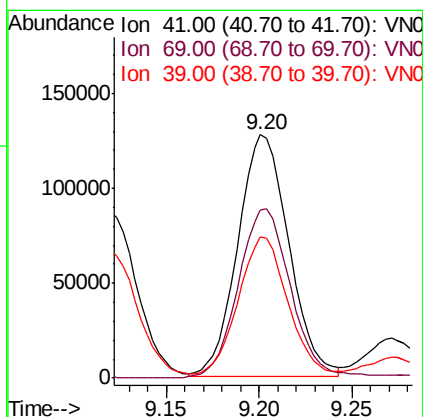
RT: 9.20 min Scan# 2310

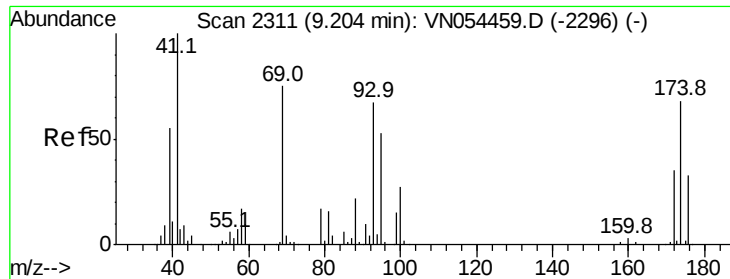
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion:	41	Resp:	243883
Ion Ratio	Lower	Upper	
41	100		
69	72.6	72.6	108.8
39	56.9	47.5	71.3





#49

1,4-Dioxane

Concen: 980.127 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 49884

Ion Ratio Lower Upper

88 100

43 40.3 24.1 36.1#

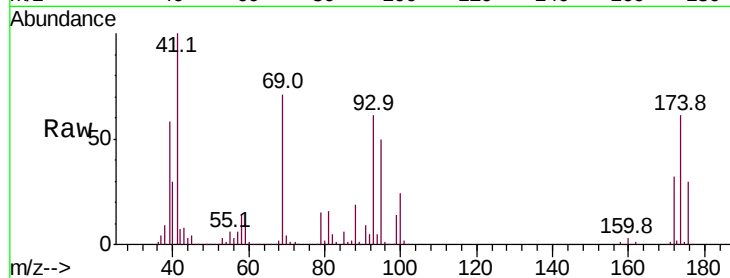
58 73.7 50.8 76.2

Manual Integrations

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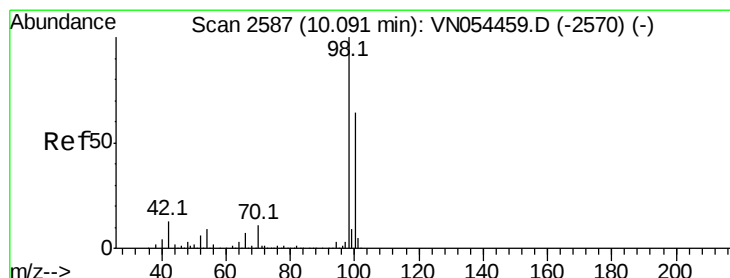
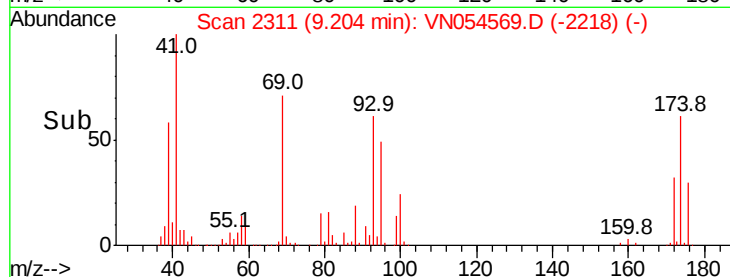
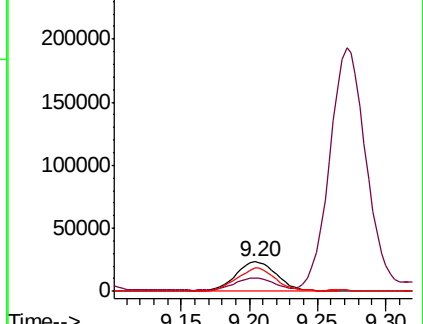
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Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

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

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



#50

Toluene-d8

Concen: 49.587 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054569.D

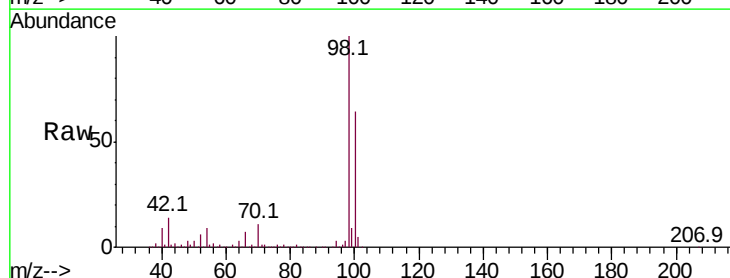
Acq: 22 Mar 2019 20:22

Tgt Ion: 98 Resp: 896942

Ion Ratio Lower Upper

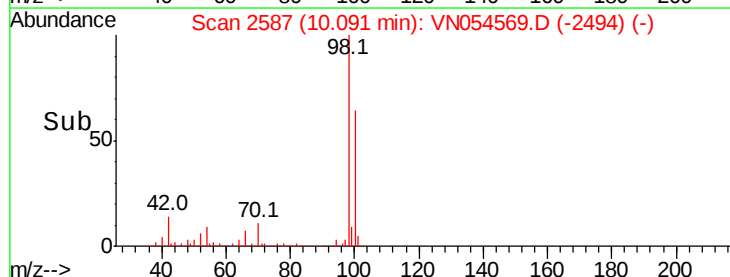
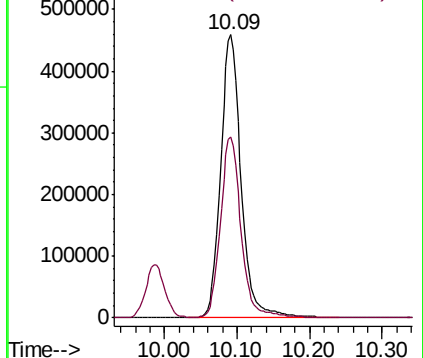
98 100

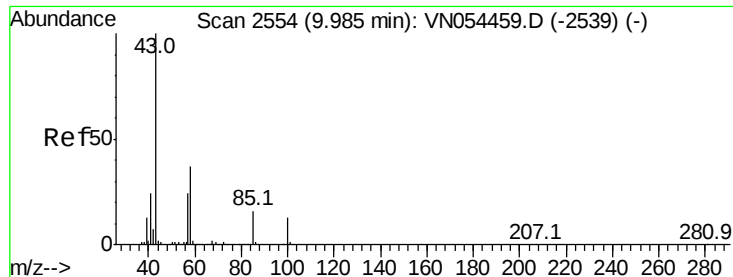
100 64.3 51.2 76.8



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

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





#51

4-Methyl-2-Pentanone

Concen: 281.751 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1309740

Ion Ratio Lower Upper

43 100

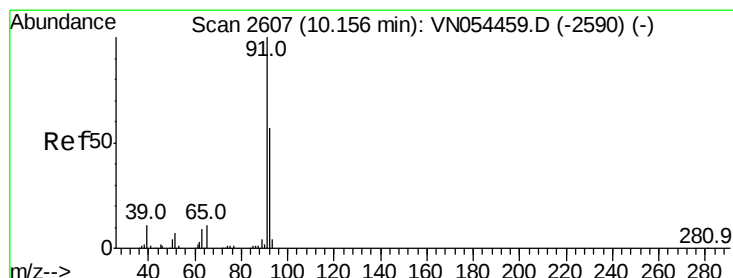
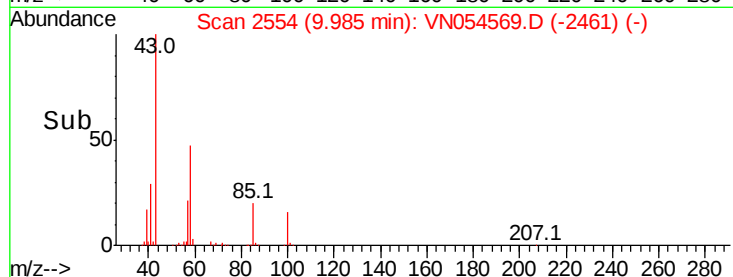
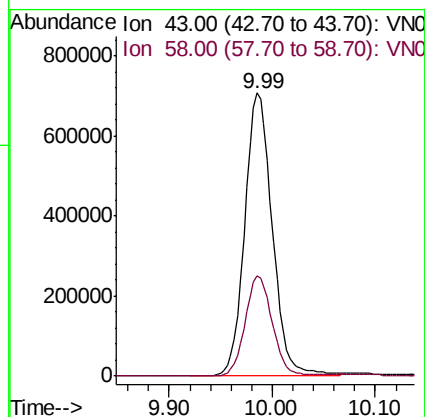
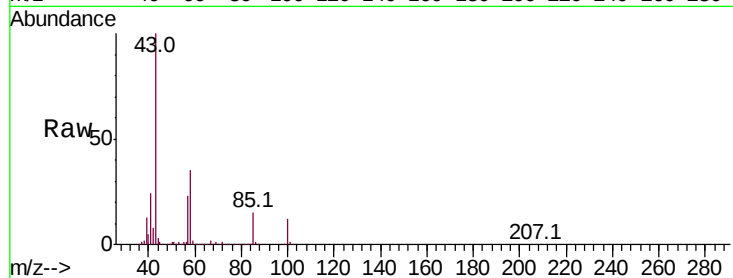
58 35.1 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 50.053 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054569.D

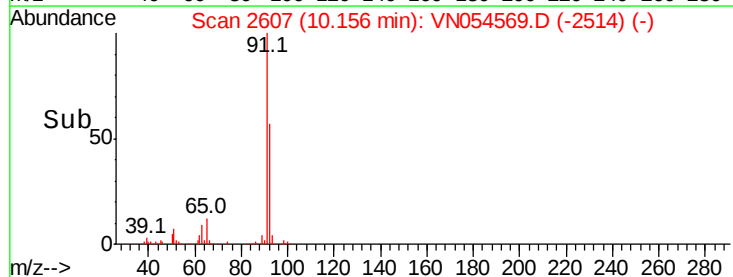
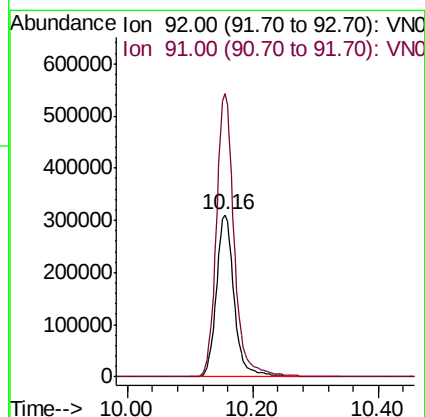
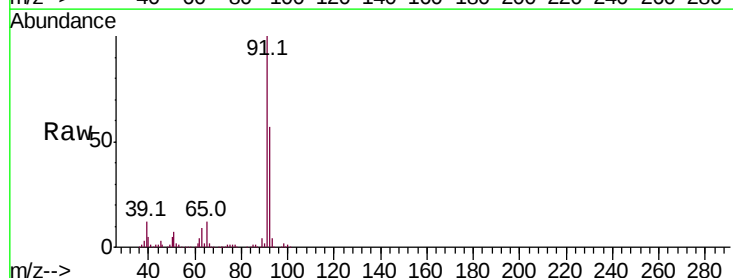
Acq: 22 Mar 2019 20:22

Tgt Ion: 92 Resp: 614722

Ion Ratio Lower Upper

92 100

91 174.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 47.634 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054569.D

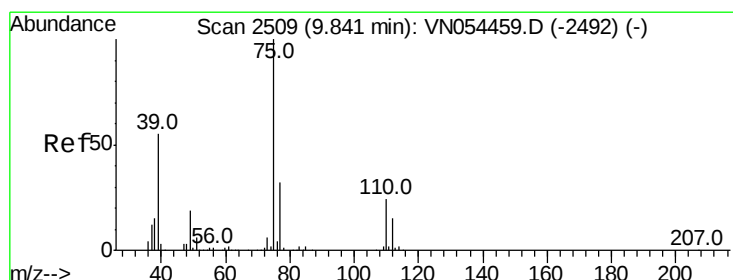
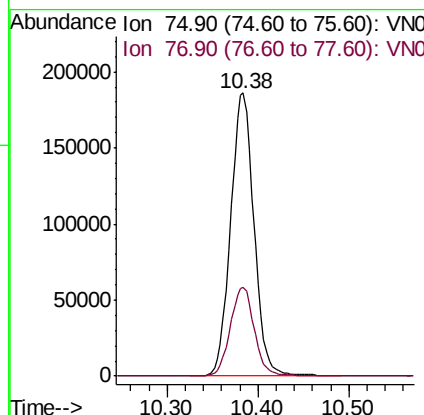
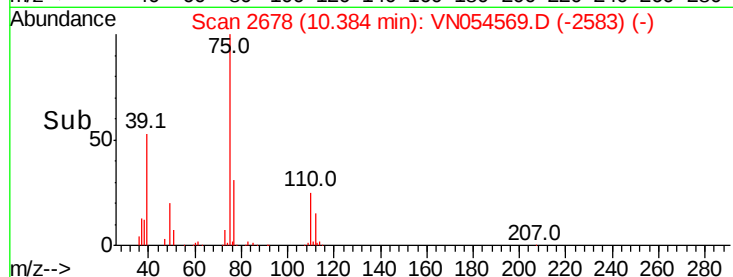
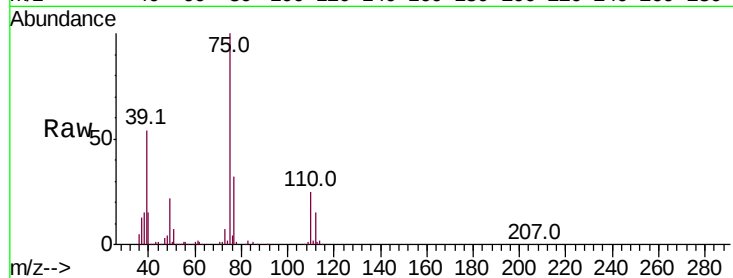
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 53.317 ug/l

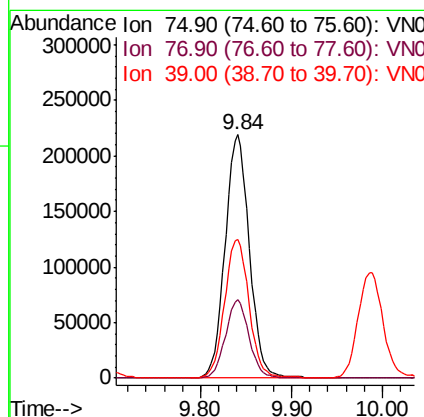
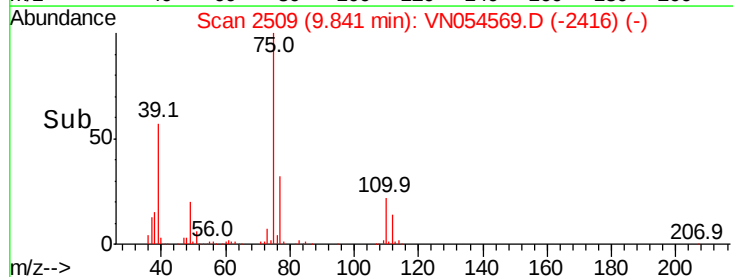
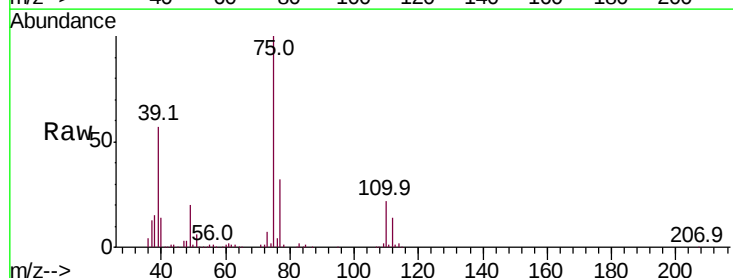
RT: 9.84 min Scan# 2509

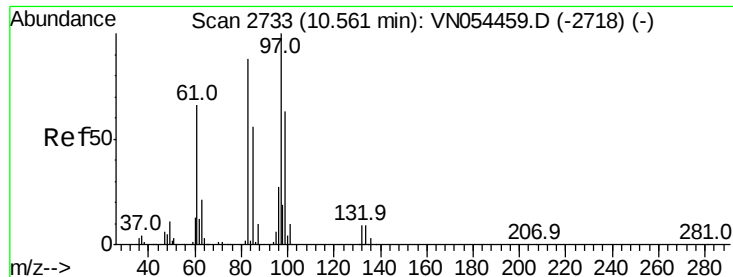
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	56.8	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 52.060 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

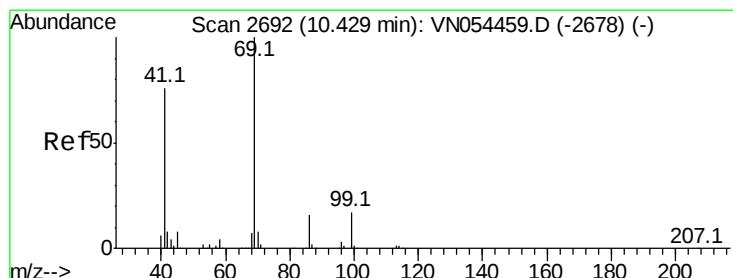
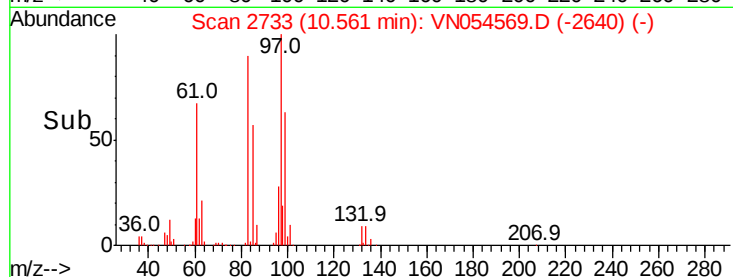
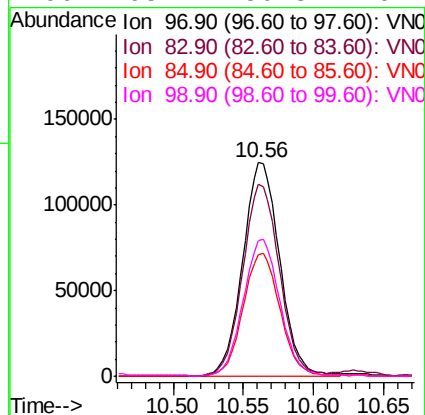
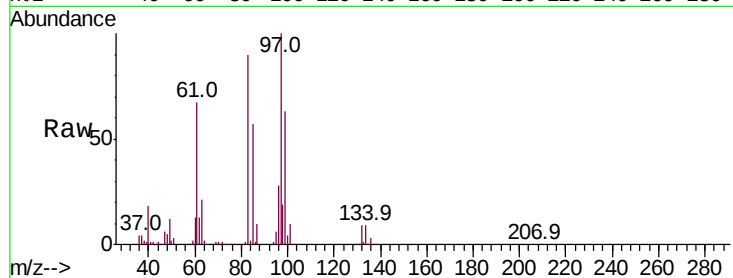
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	66.6	100.0
85	57.0	44.4	66.6
99	63.1	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.061 ug/l

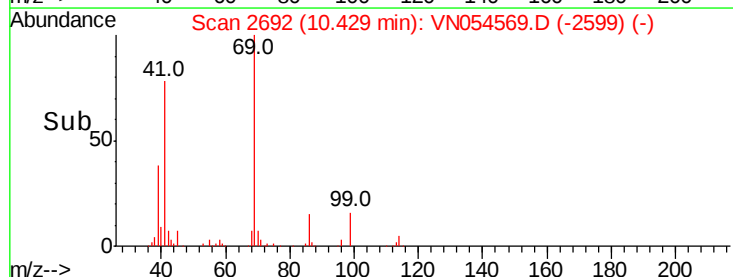
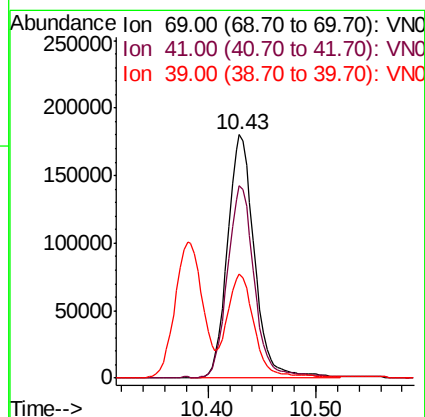
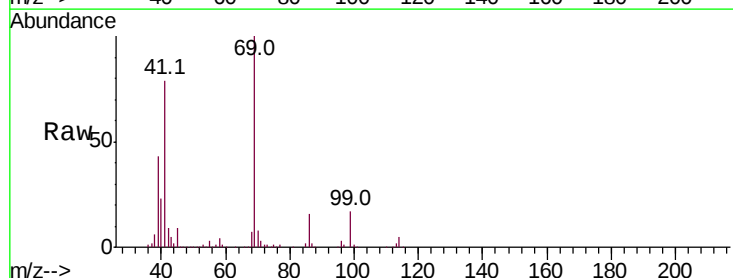
RT: 10.43 min Scan# 2692

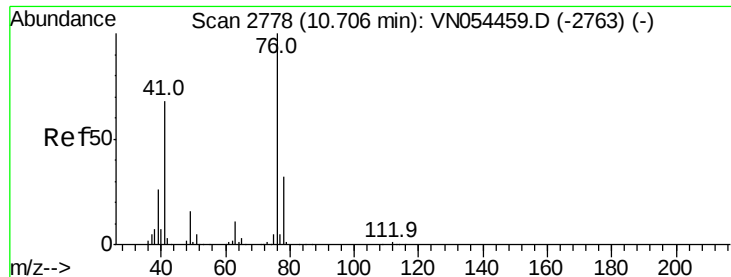
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.1	49.4	74.2#
39	41.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.020 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 406889

Ion Ratio Lower Upper

76 100

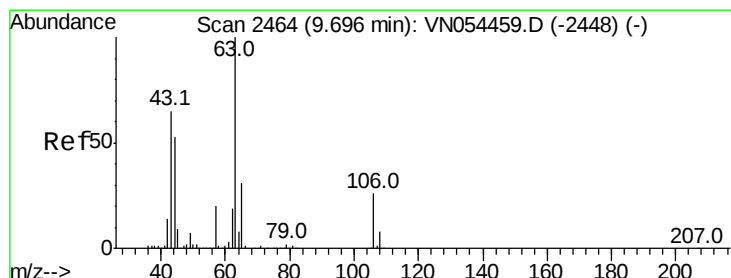
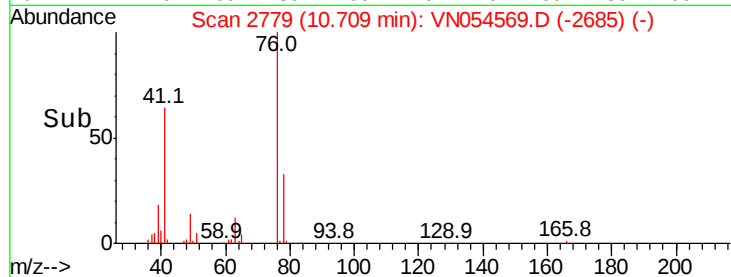
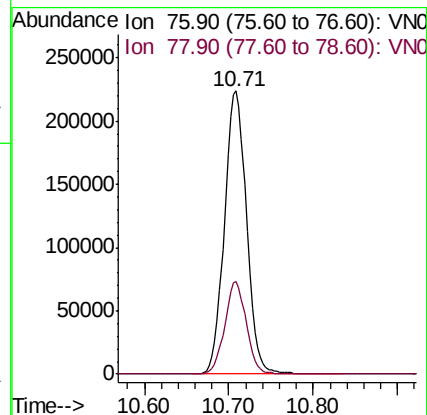
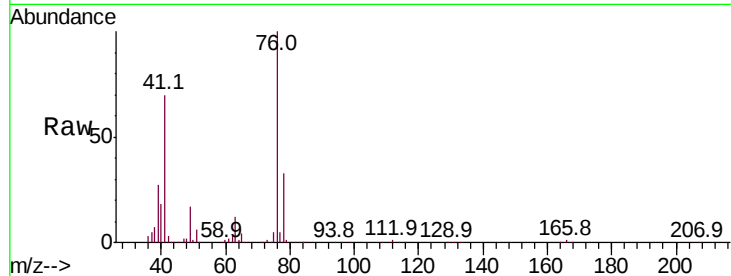
78 32.0 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 251.588 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054569.D

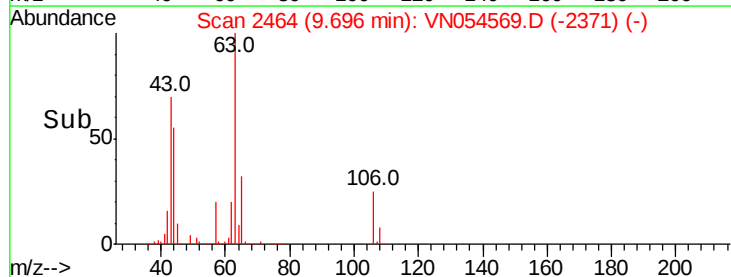
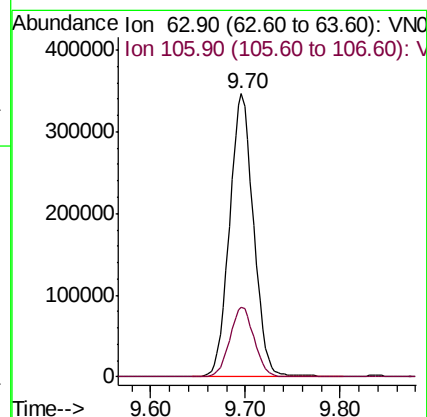
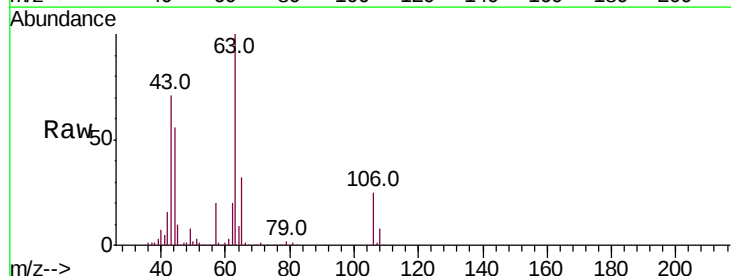
Acq: 22 Mar 2019 20:22

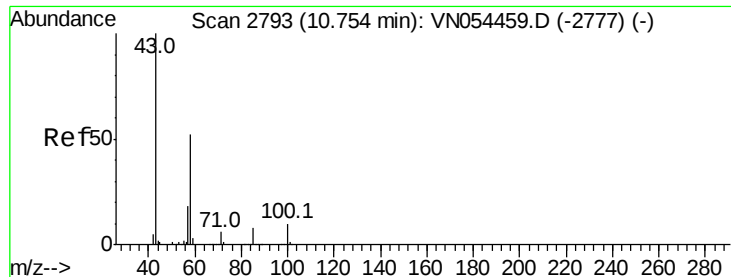
Tgt Ion: 63 Resp: 613867

Ion Ratio Lower Upper

63 100

106 24.8 24.4 36.6





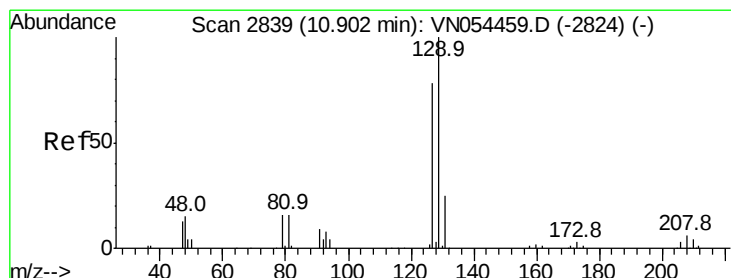
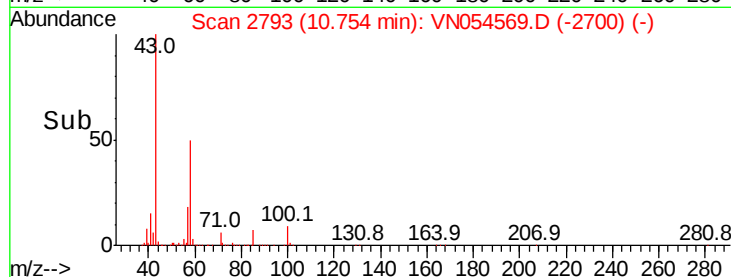
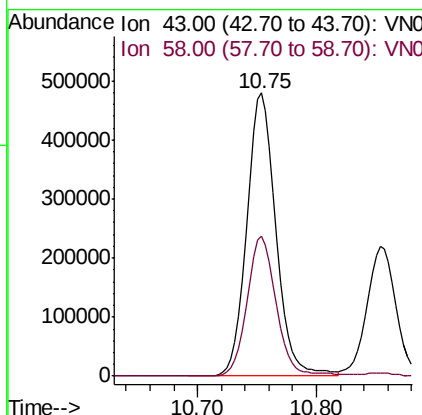
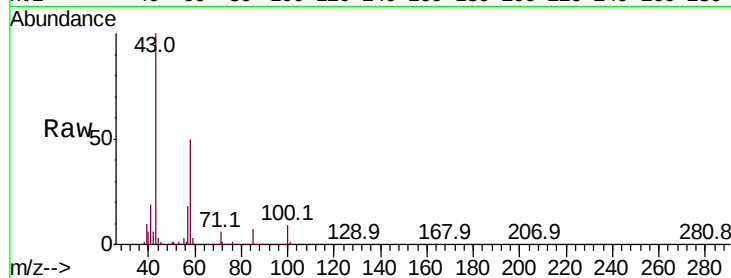
#59
2-Hexanone
Concen: 266.548 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 809343
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9

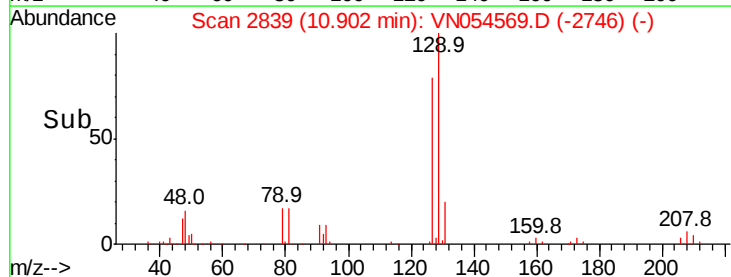
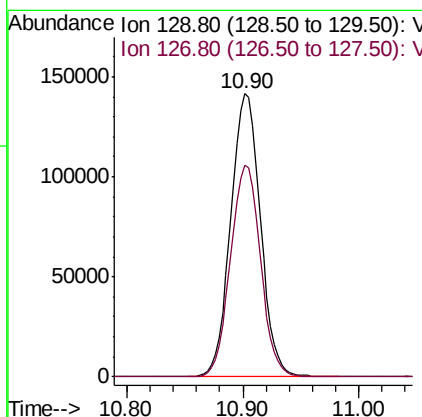
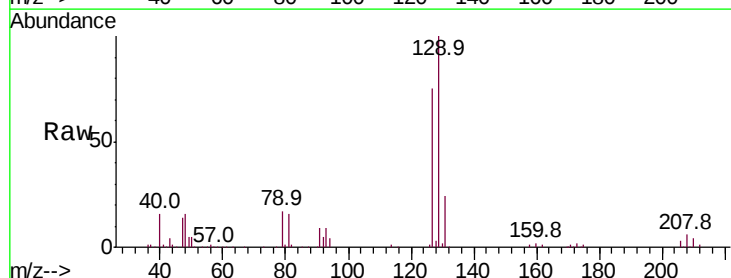
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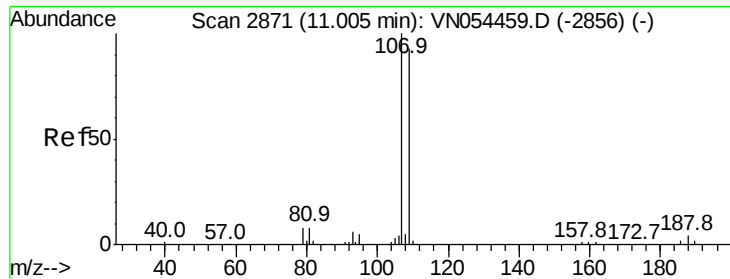
MMDadoda
3/25/2019 3:11:51 PM



#60
Dibromochloromethane
Concen: 53.470 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 129 Resp: 251184
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.952 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 226746

Ion Ratio Lower Upper

107 100

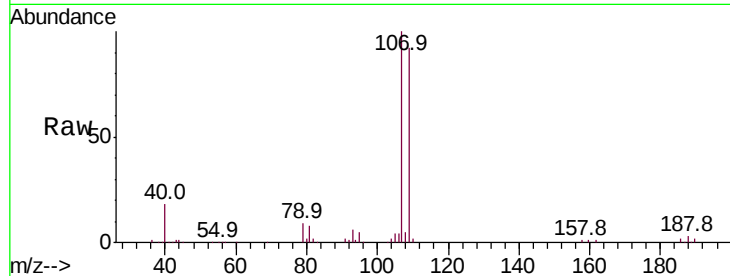
109 92.2 75.9 113.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

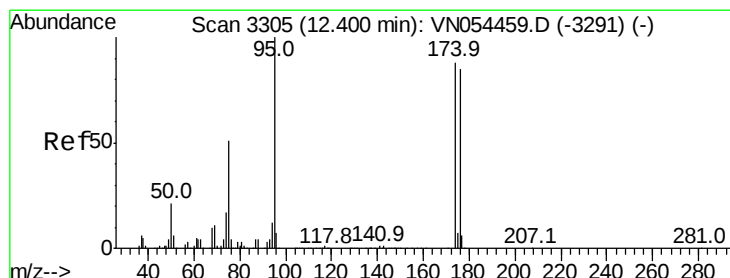
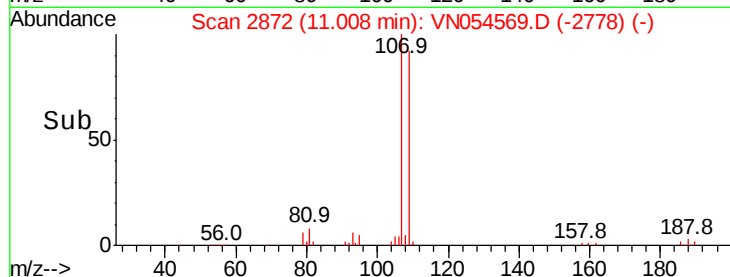
11.01

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.181 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

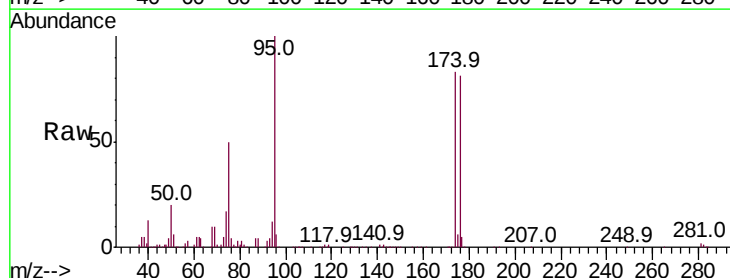
Tgt Ion: 95 Resp: 302717

Ion Ratio Lower Upper

95 100

174 83.7 0.0 191.0

176 80.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

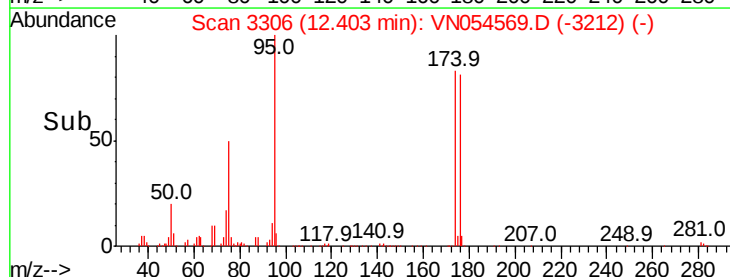
150000

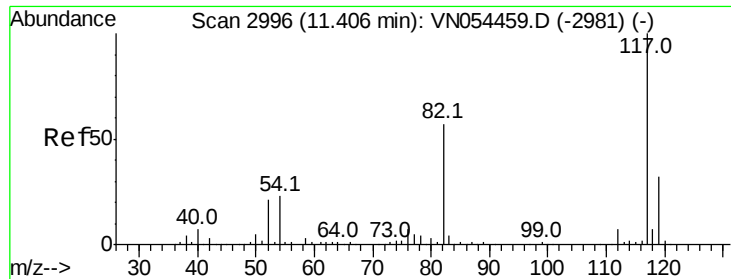
100000

50000

0

Time--> 12.30 12.40 12.50





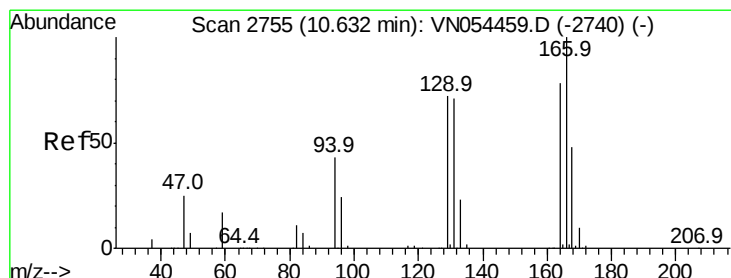
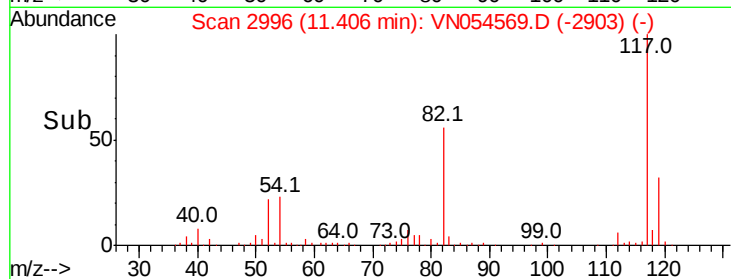
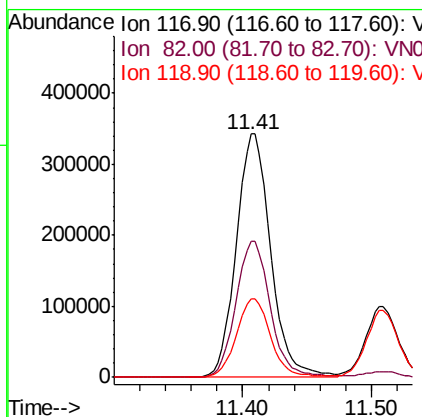
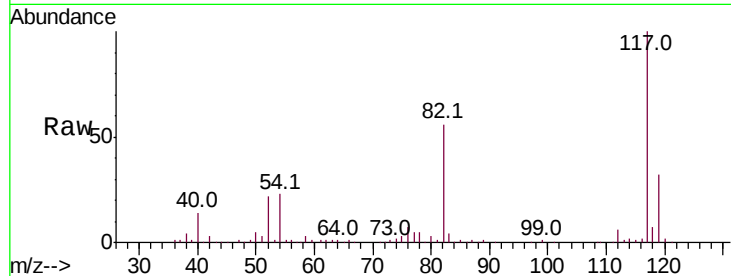
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.0	60.0
119	32.3	25.8	38.6

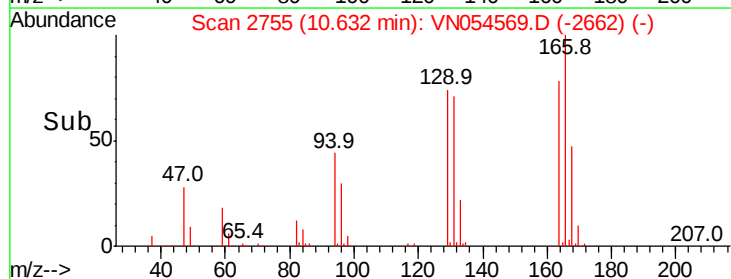
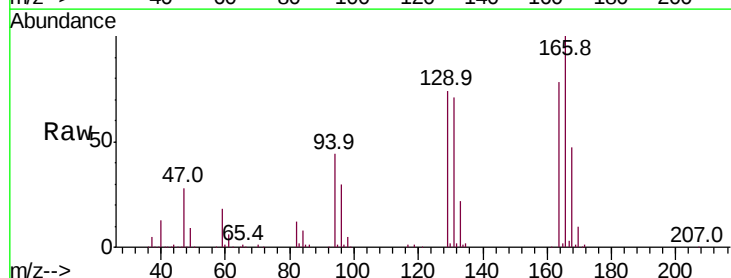
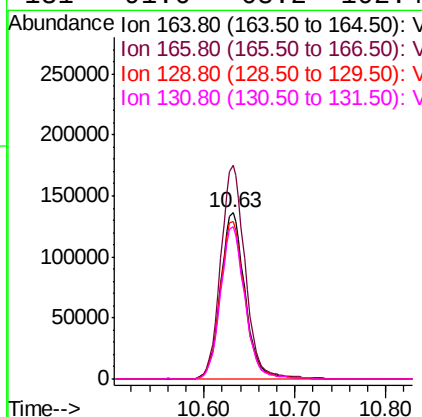
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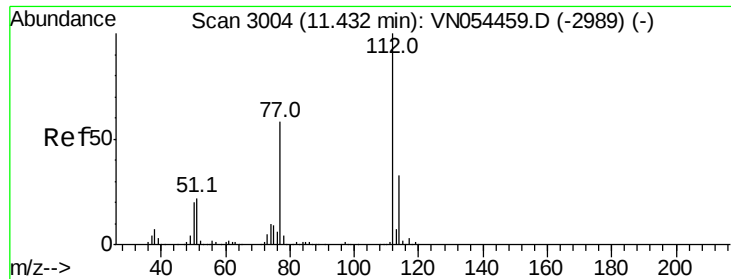
MMDadoda
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#64
Tetrachloroethene
Concen: 48.463 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.9	155.9
129	95.0	71.1	106.7
131	91.6	68.2	102.4





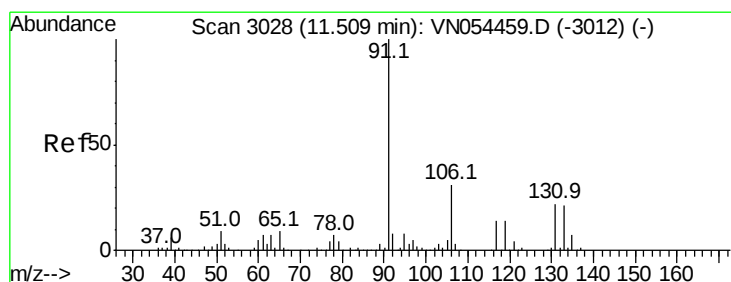
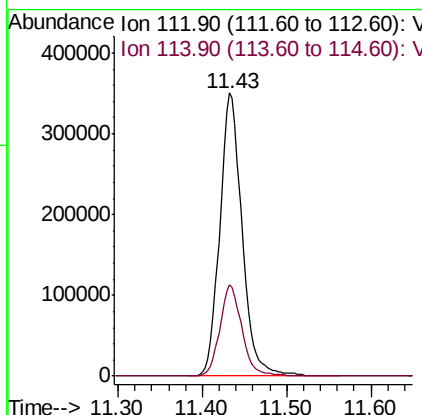
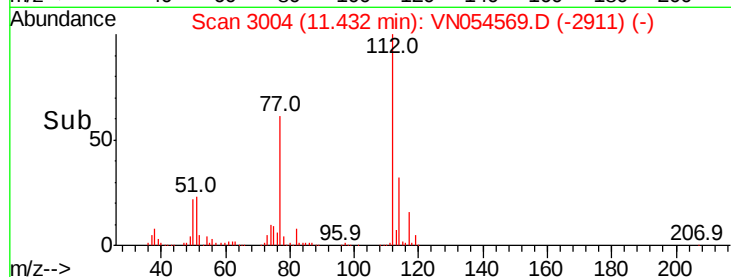
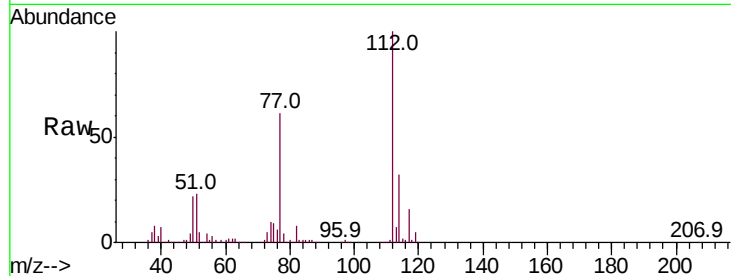
#65
Chlorobenzene
Concen: 49.658 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

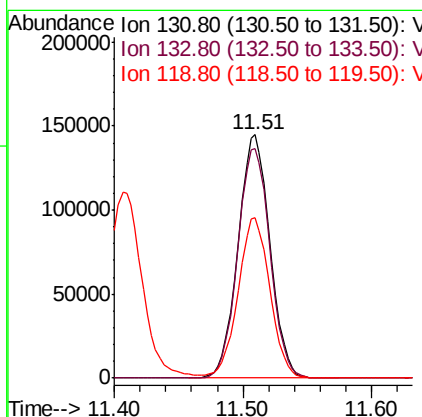
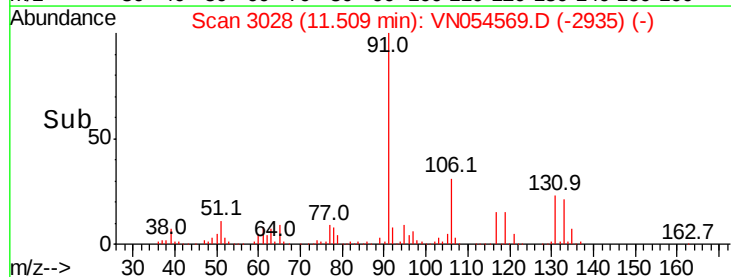
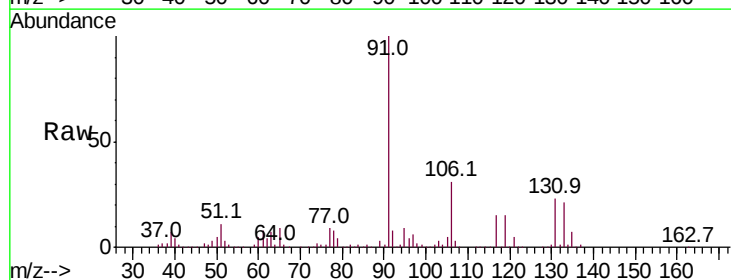
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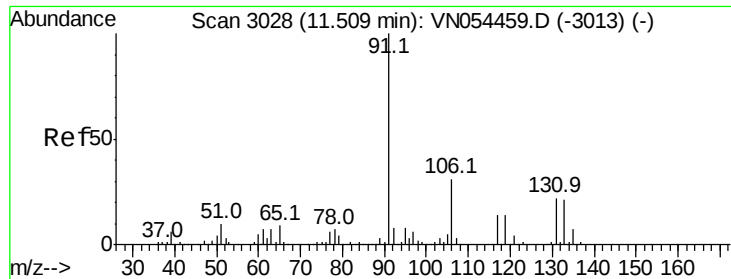
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.477 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.6	142.9
119	65.8	32.4	97.0





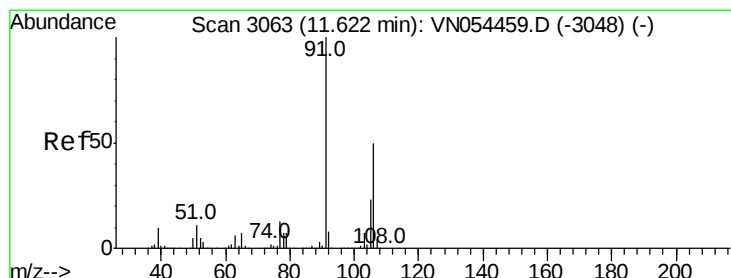
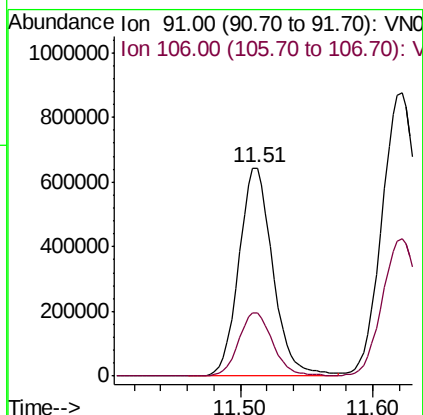
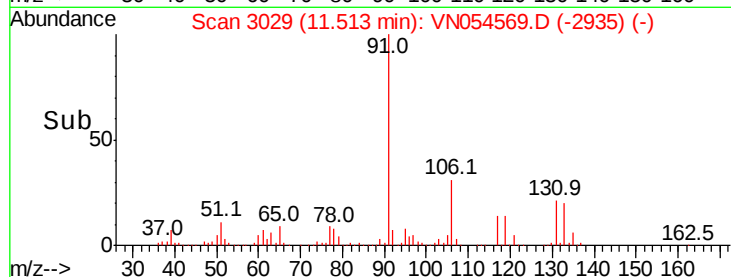
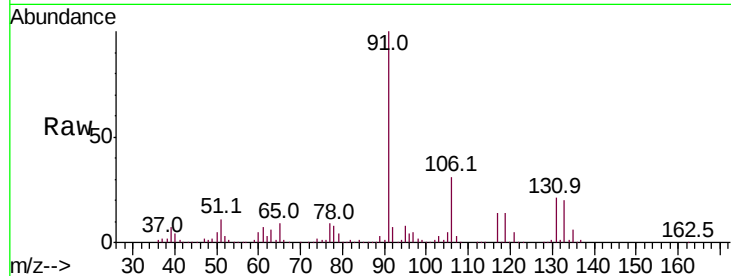
#67
Ethyl Benzene
Concen: 50.060 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1147252
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

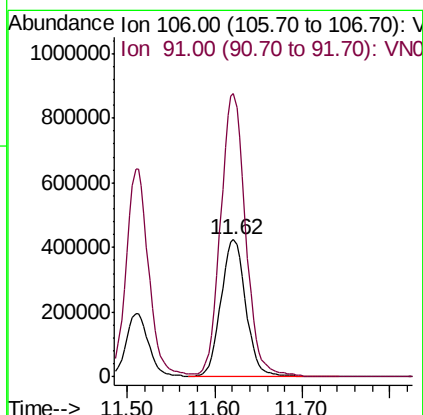
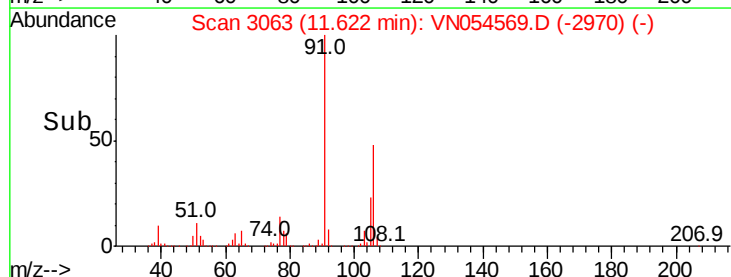
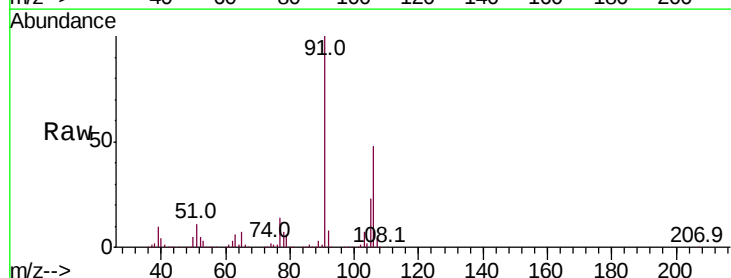
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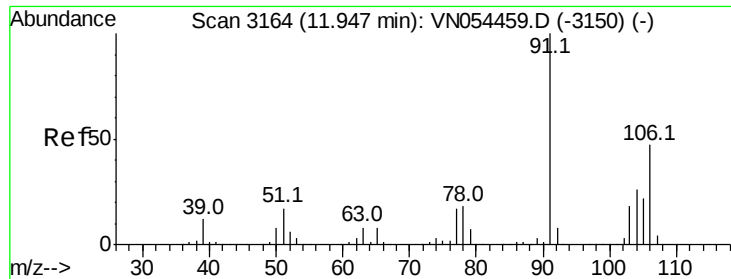
MMDadoda
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#68
m/p-Xylenes
Concen: 97.667 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 106 Resp: 847805
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2





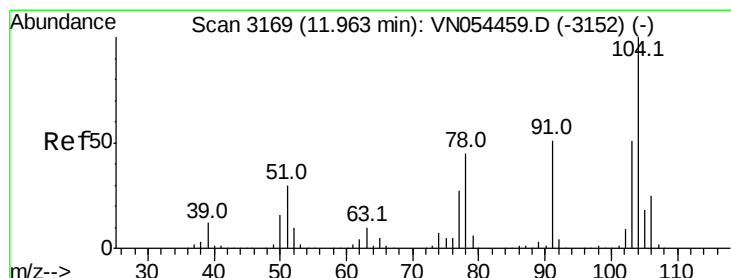
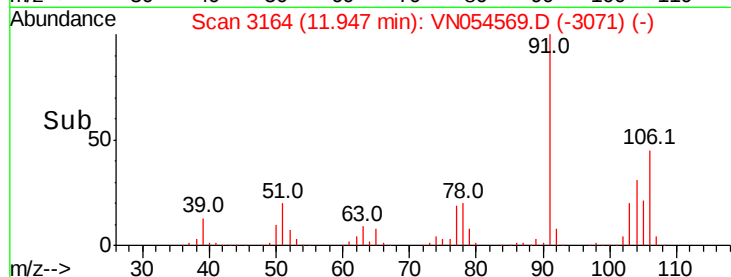
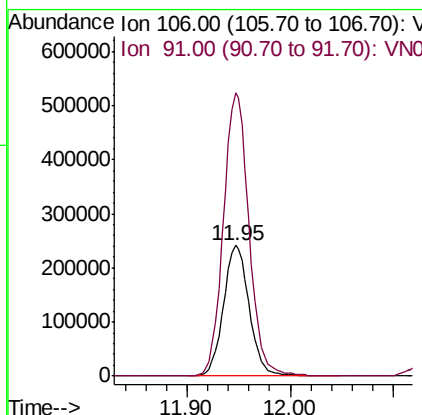
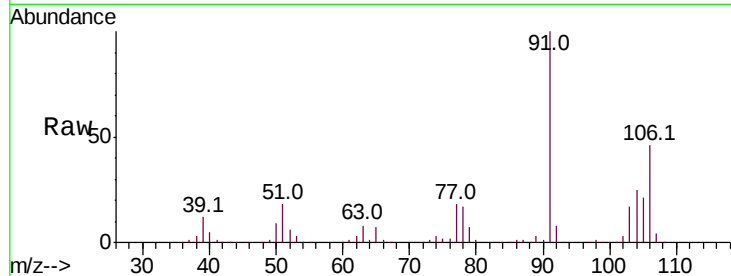
#69
o-Xylene
Concen: 49.448 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 419191
Ion Ratio Lower Upper
106 100
91 215.6 105.7 317.1

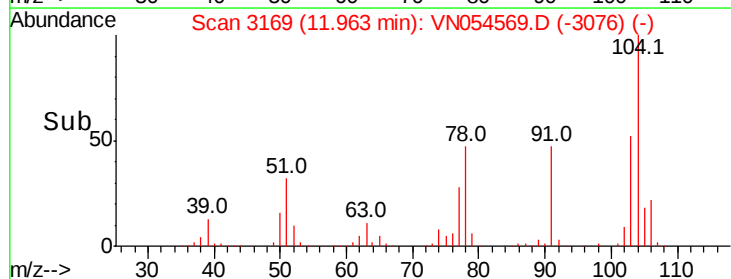
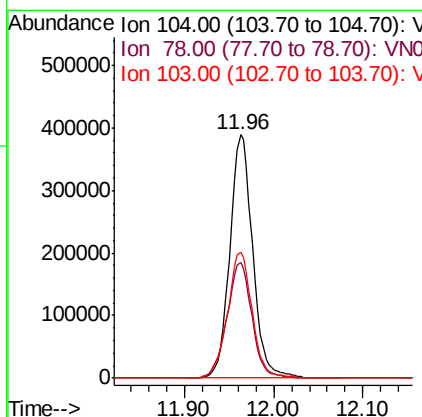
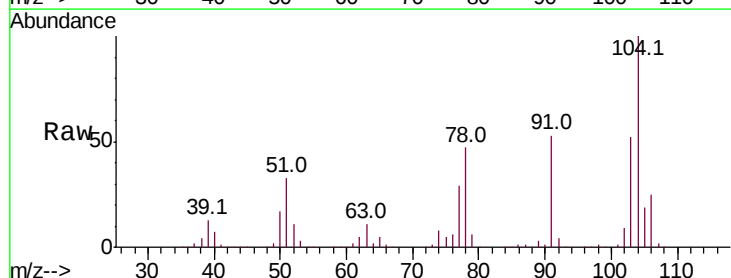
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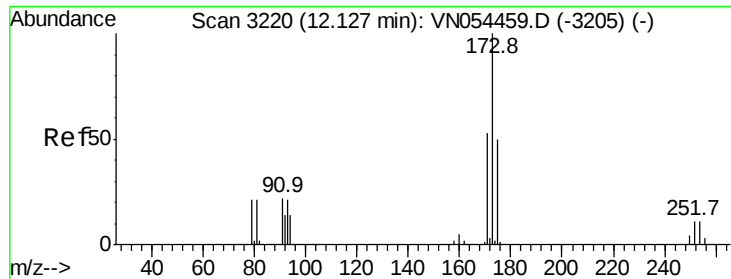
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#70
Styrene
Concen: 50.107 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion:104 Resp: 689807
Ion Ratio Lower Upper
104 100
78 52.1 38.2 57.2
103 55.9 44.4 66.6





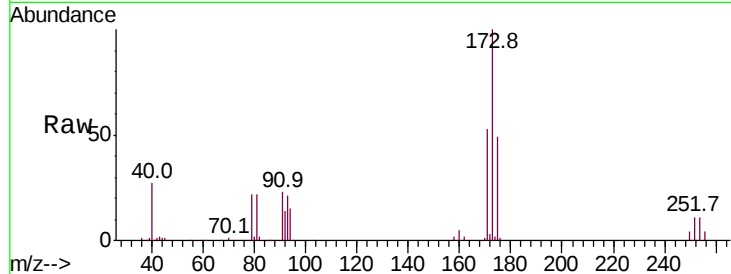
#71
Bromoform
Concen: 46.813 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

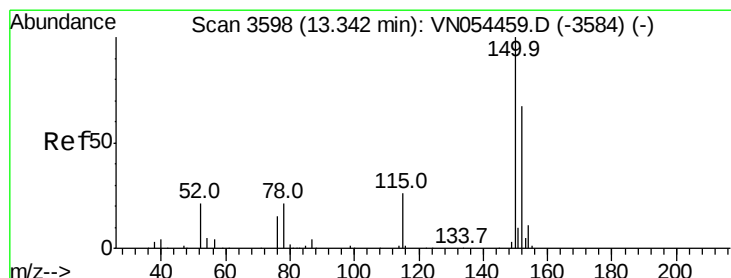
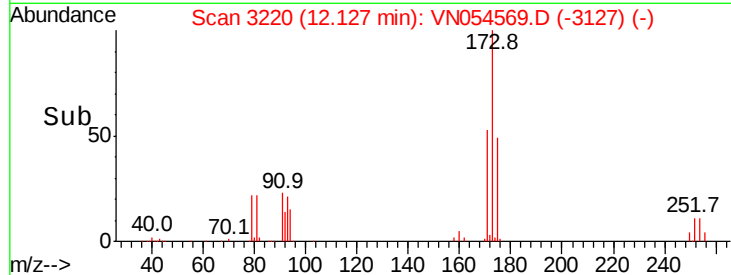
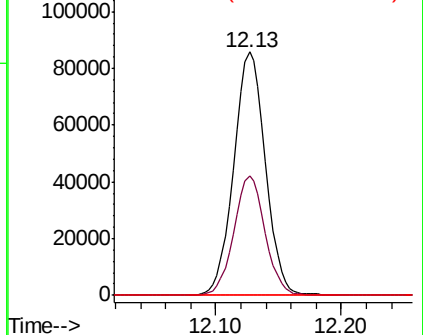
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.0	0.1	0.1#

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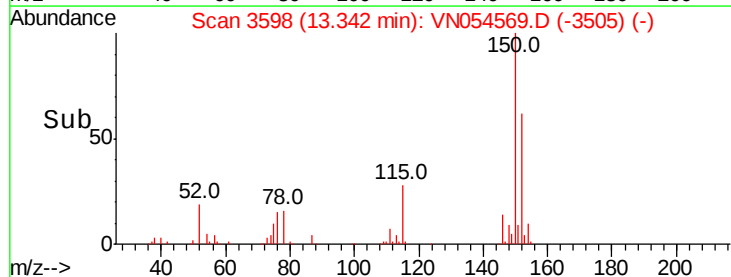
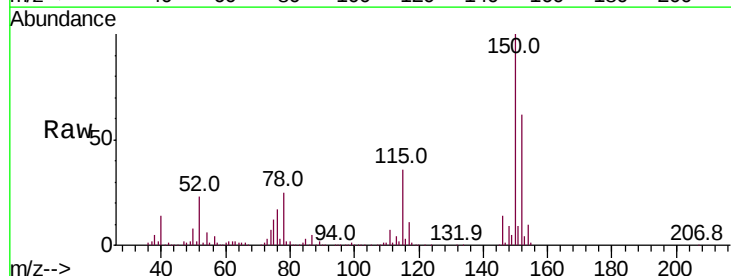
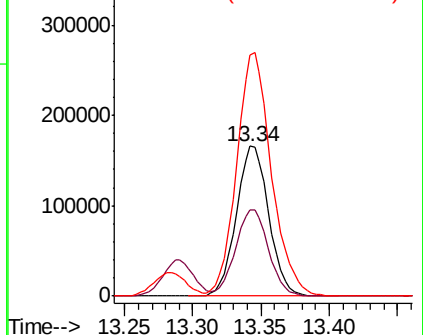
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

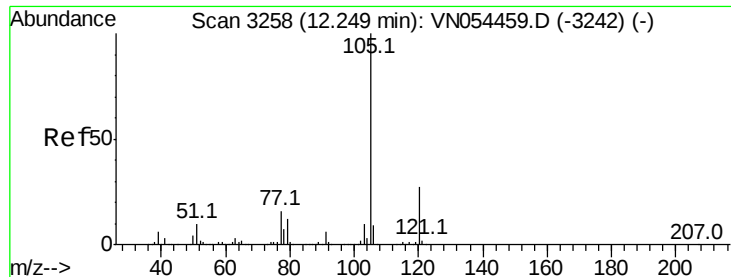


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.2	81.6
150	174.0	0.0	349.2

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





#73

Isopropylbenzene

Concen: 49.670 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1093487

Ion Ratio Lower Upper

105 100

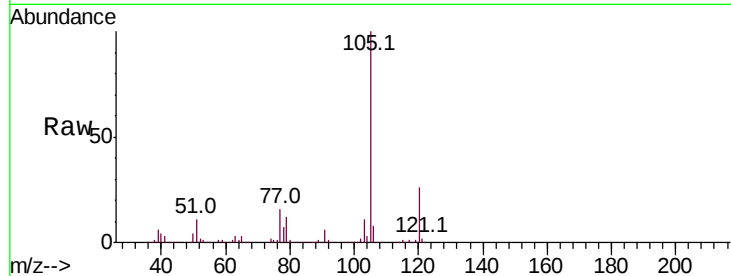
120 26.6 13.8 41.3

Manual Integrations

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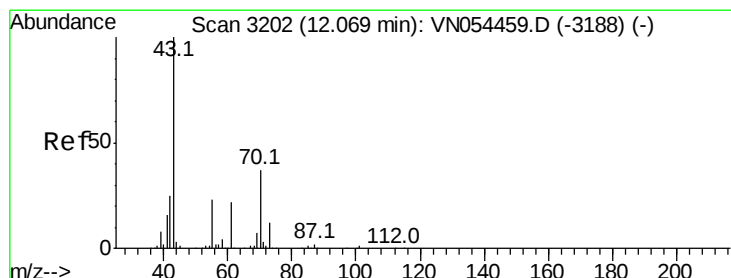
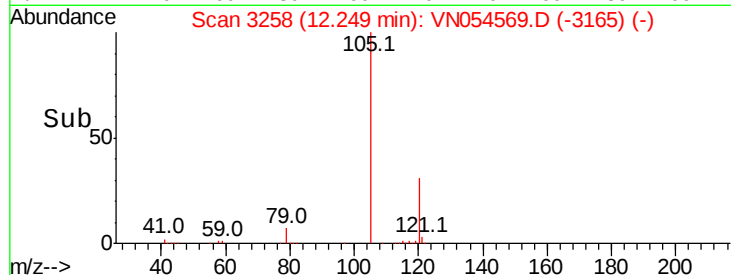
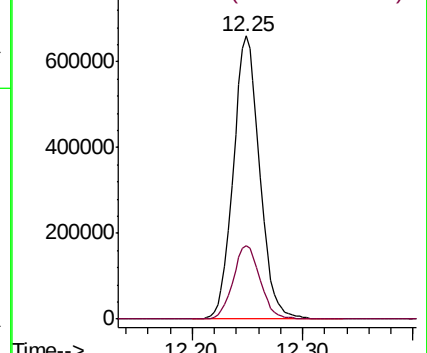
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.771 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion: 43 Resp: 359370

Ion Ratio Lower Upper

43 100

70 37.3 35.4 53.0

55 23.4 19.8 29.6

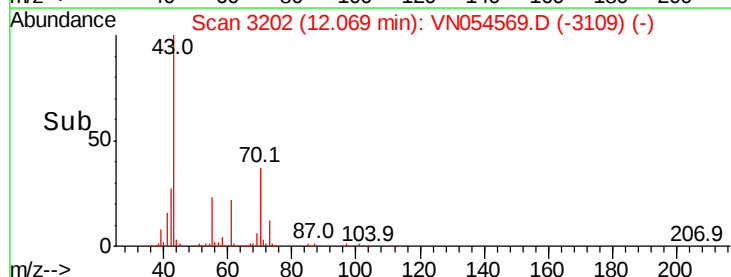
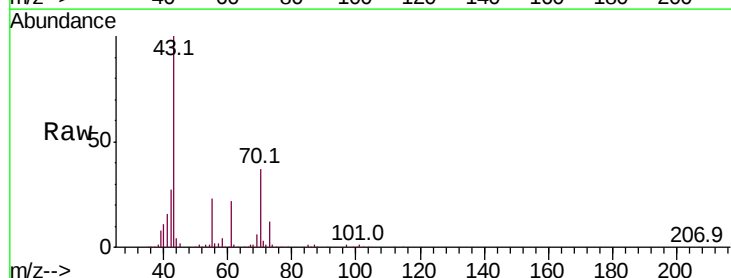
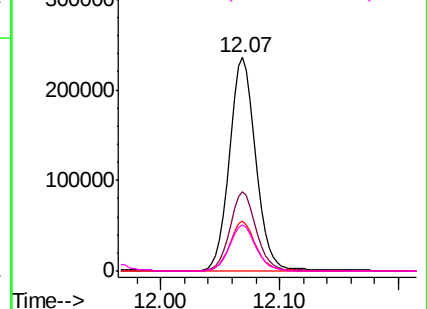
61 21.7 19.8 29.6

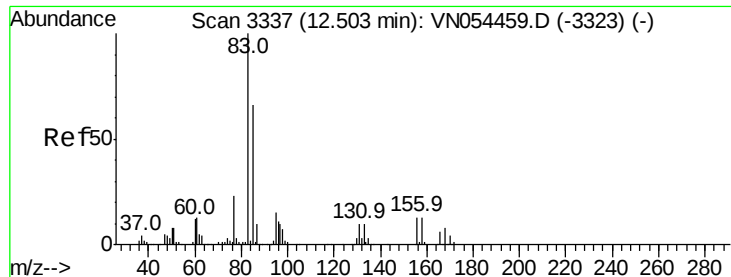
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 55.083 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 276822

Ion Ratio Lower Upper

83 100

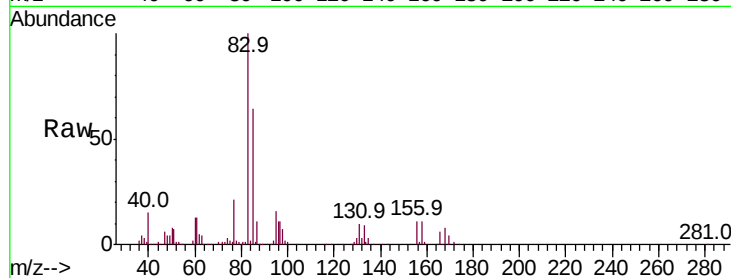
131 10.3 5.8 17.4

85 63.3 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

150000

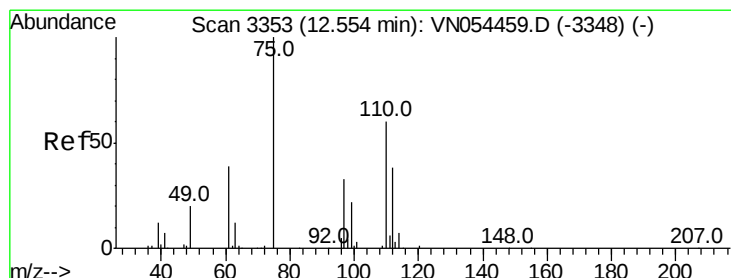
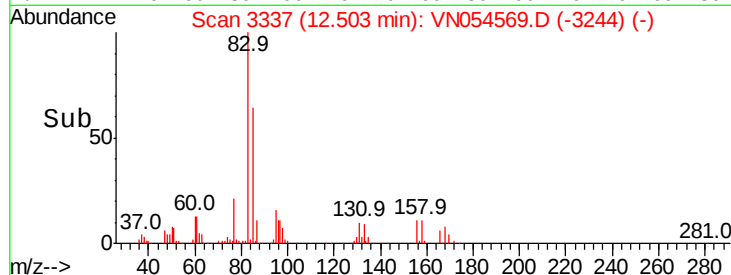
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.567 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054569.D

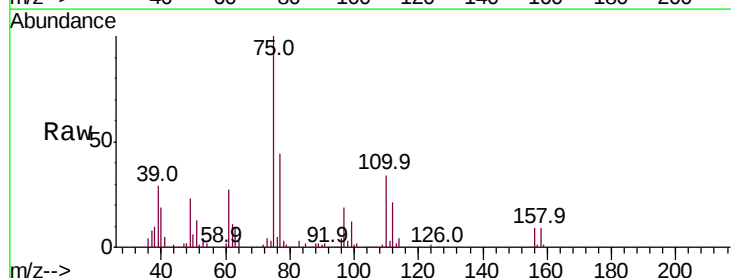
Acq: 22 Mar 2019 20:22

Tgt Ion: 75 Resp: 219224

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

100000

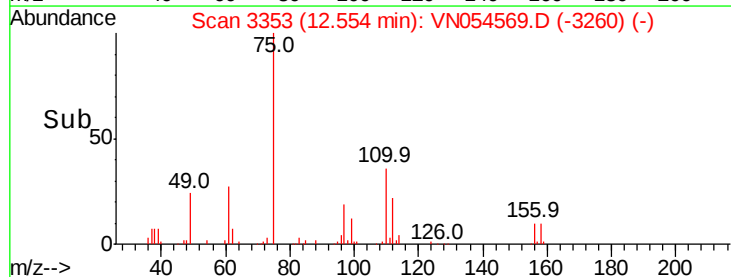
50000

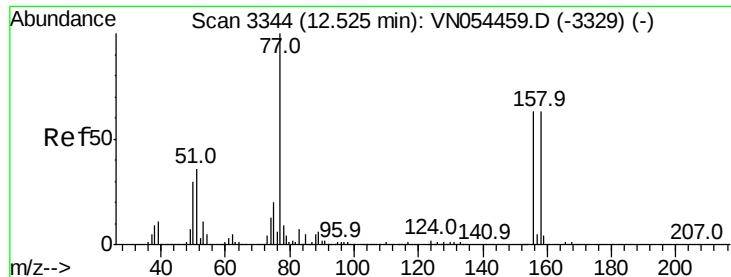
0

12.55

12.60

Time-->





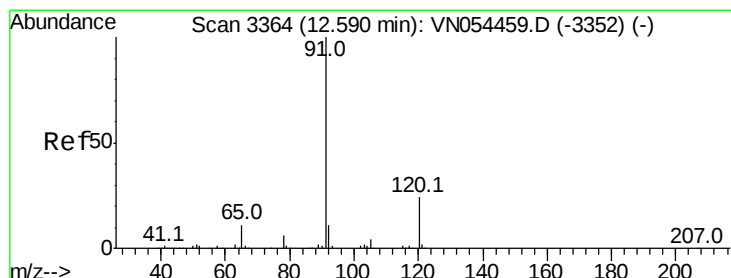
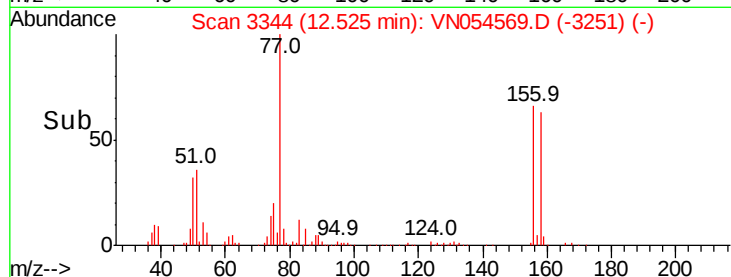
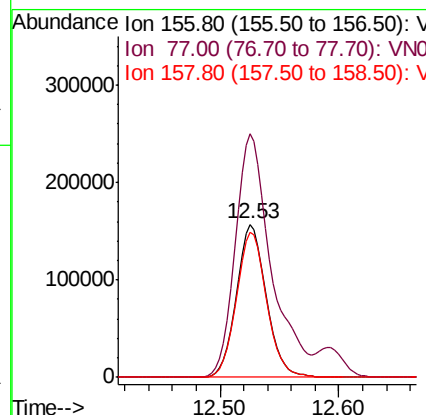
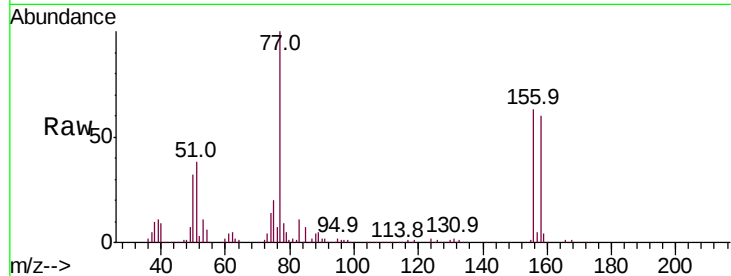
#77
Bromobenzene
Concen: 49.839 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.1	81.5	244.4
158	96.7	49.0	147.2

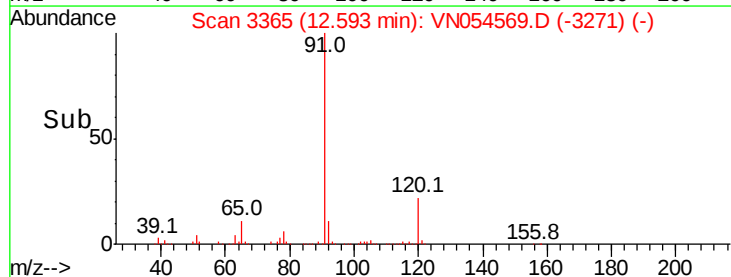
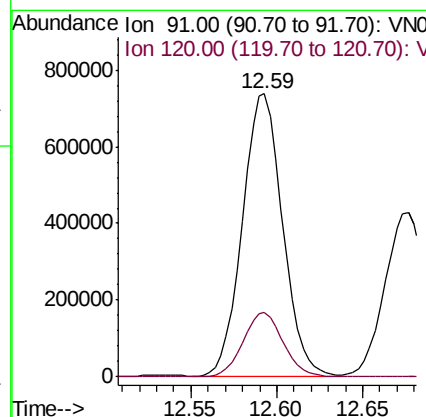
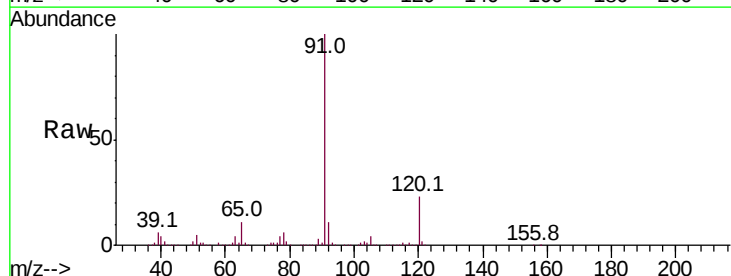
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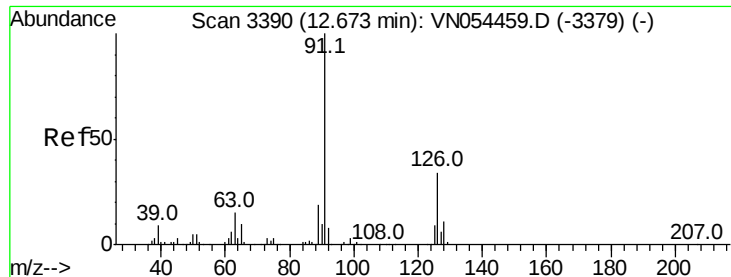
MMDadoda
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#78
n-propylbenzene
Concen: 49.923 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 49.239 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 733000

Ion Ratio Lower Upper

91 100

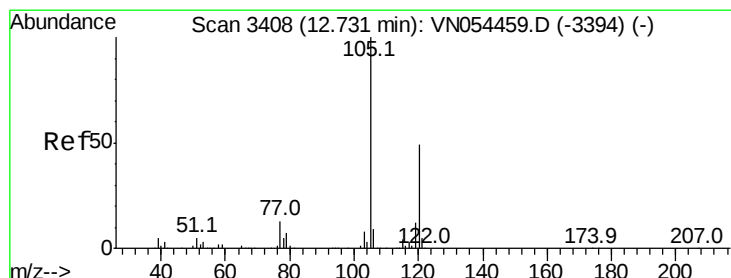
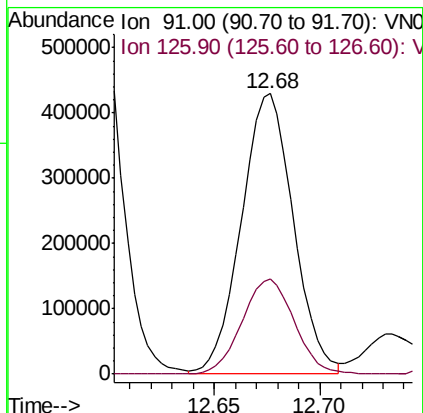
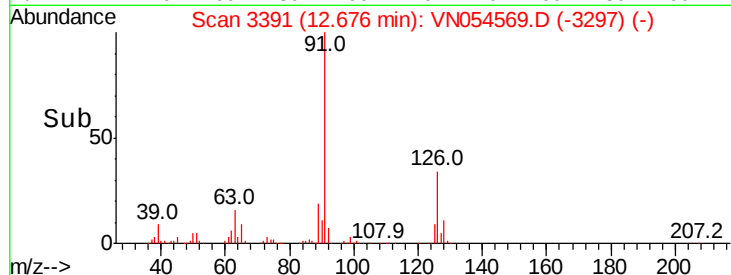
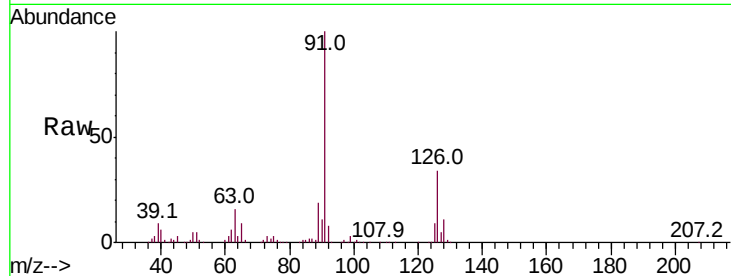
126 34.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.089 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054569.D

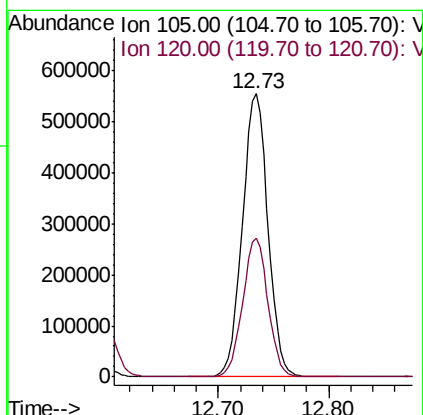
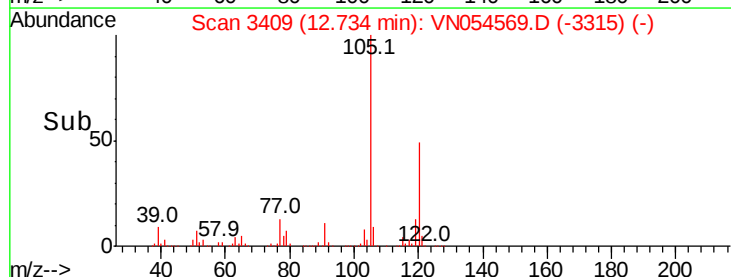
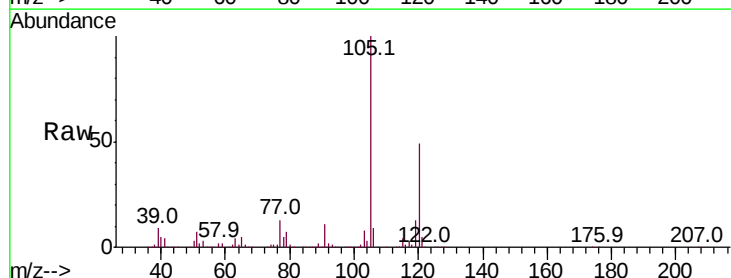
Acq: 22 Mar 2019 20:22

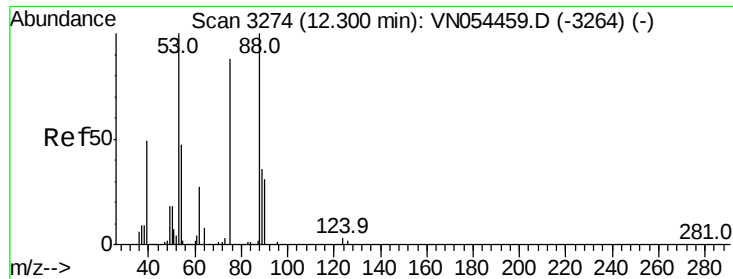
Tgt Ion: 105 Resp: 885720

Ion Ratio Lower Upper

105 100

120 48.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.694 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 59782

Ion Ratio Lower Upper

75 100

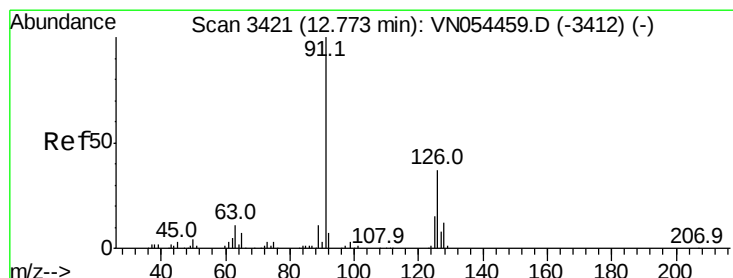
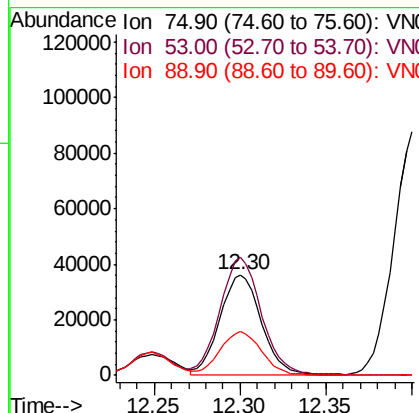
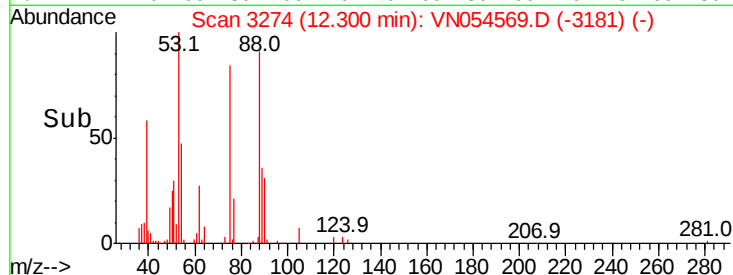
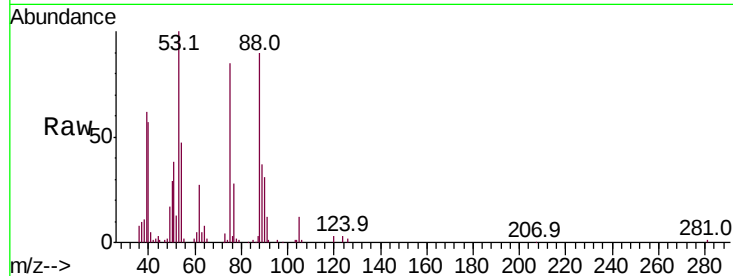
53 121.8 76.2 114.2#

89 44.8 39.2 58.8

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#82

4-Chlorotoluene

Concen: 50.371 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054569.D

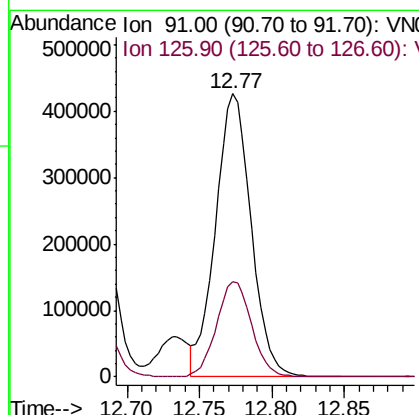
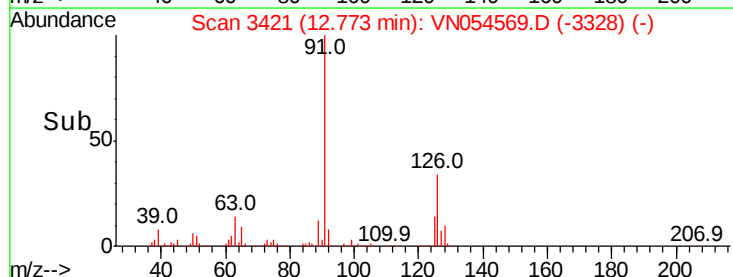
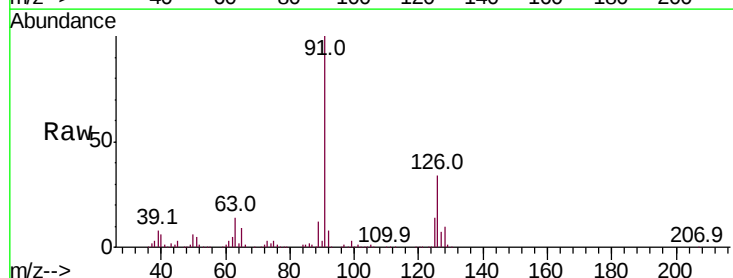
Acq: 22 Mar 2019 20:22

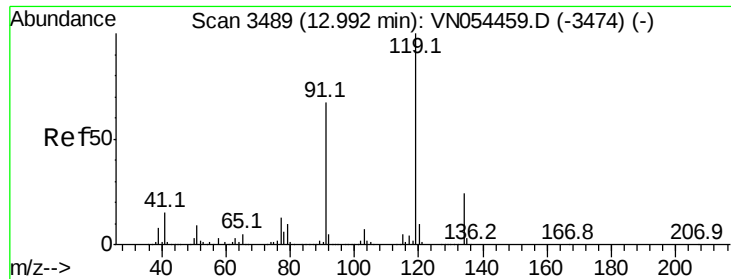
Tgt Ion: 91 Resp: 726843

Ion Ratio Lower Upper

91 100

126 33.3 18.1 54.1





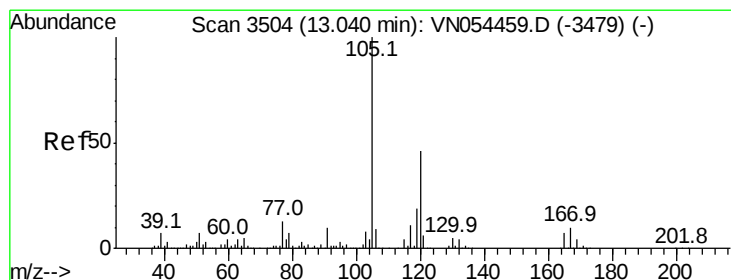
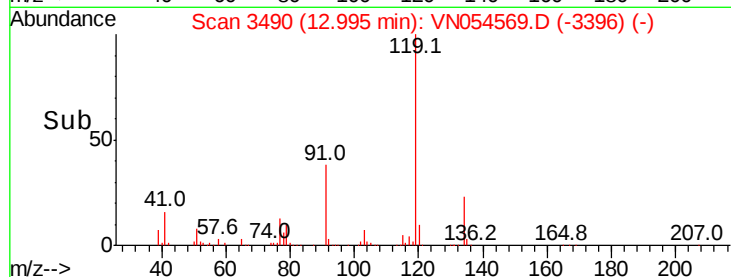
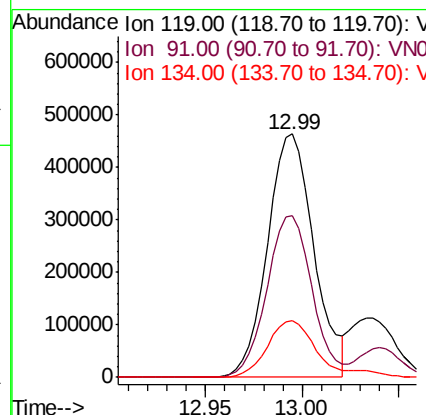
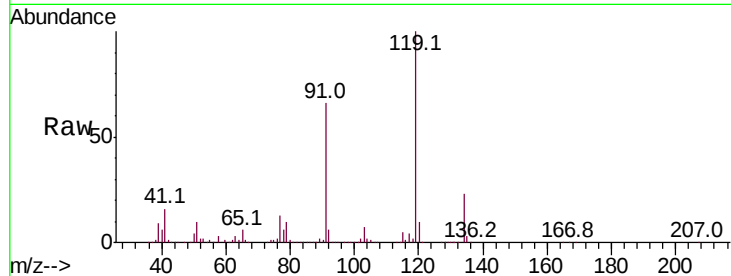
#83
tert-Butylbenzene
Concen: 49.253 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	30.9	92.8
134	25.5	13.2	39.6

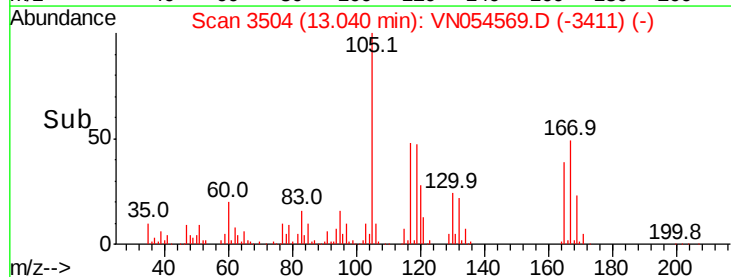
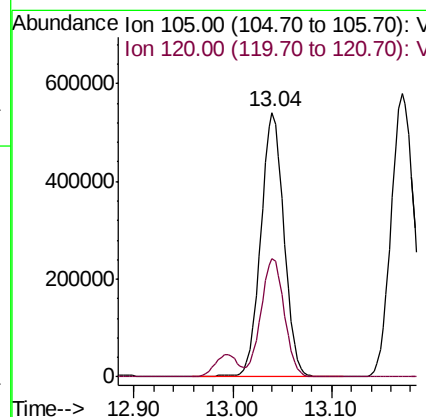
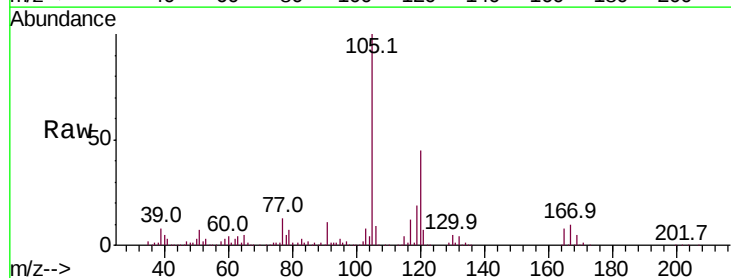
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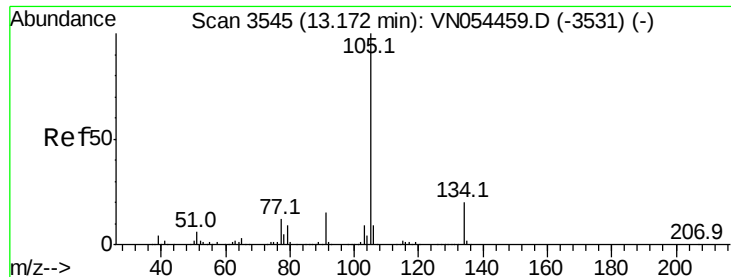
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.266 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 47.943 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 938655

Ion Ratio Lower Upper

105 100

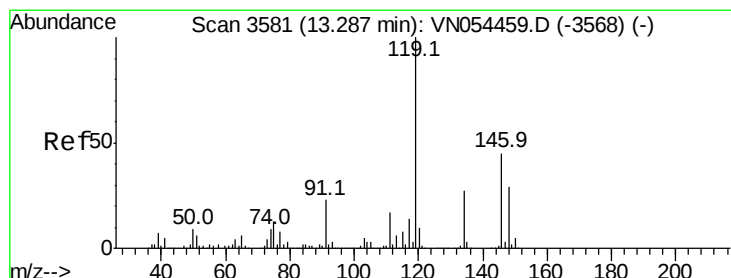
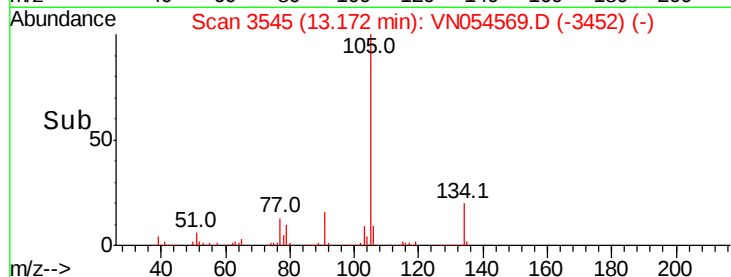
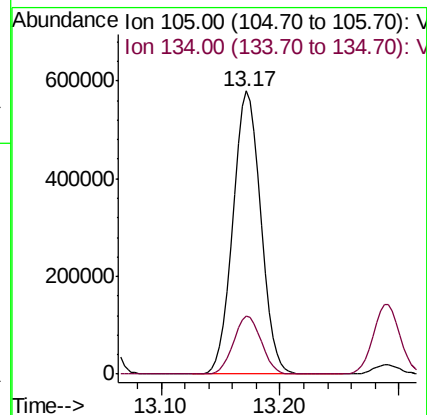
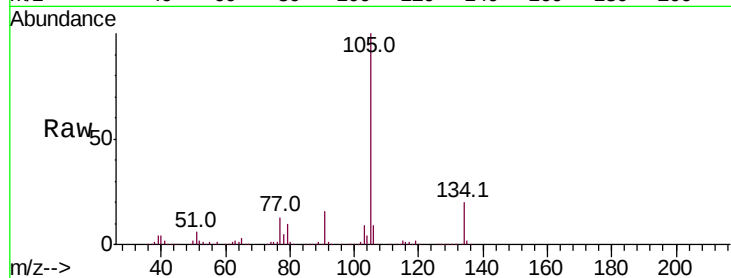
134 20.5 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 48.318 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

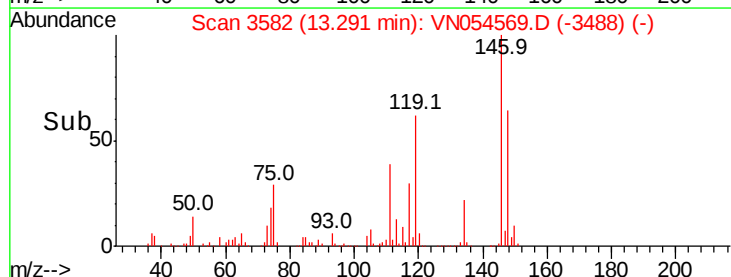
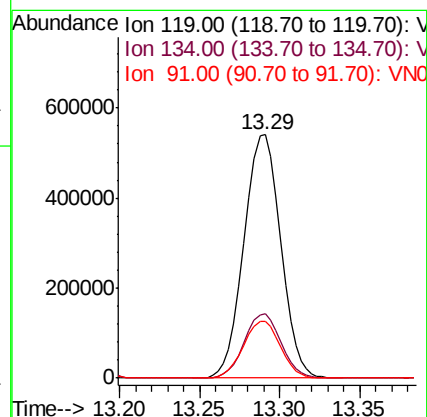
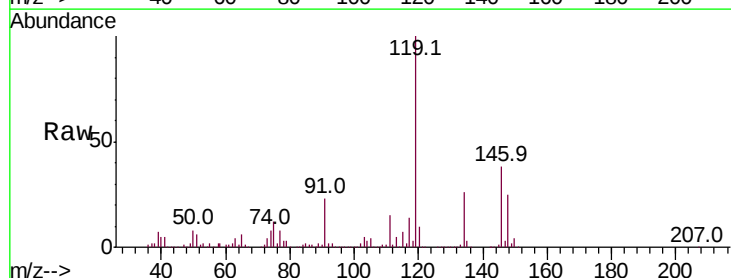
Tgt Ion:119 Resp: 846336

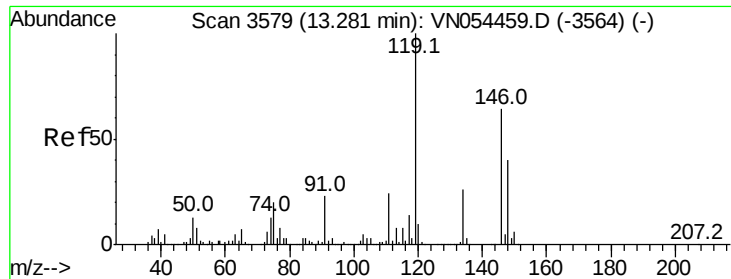
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 23.5 11.1 33.3





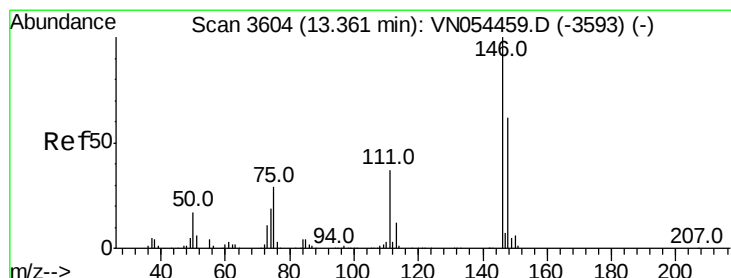
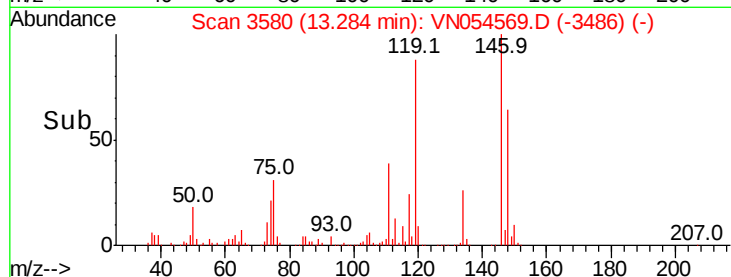
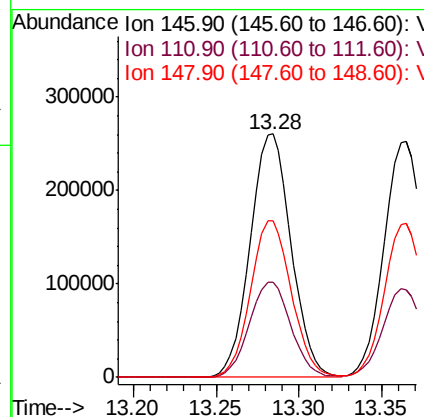
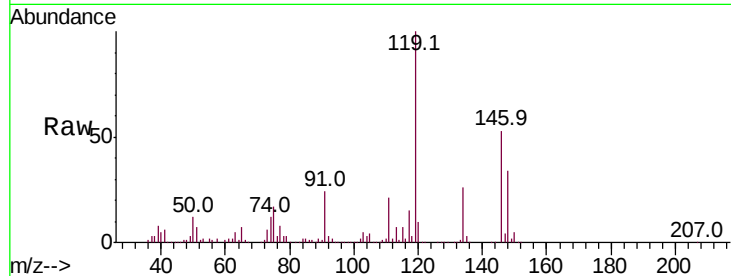
#87
 1,3-Dichlorobenzene
 Concen: 49.419 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	64.0	32.2	96.6

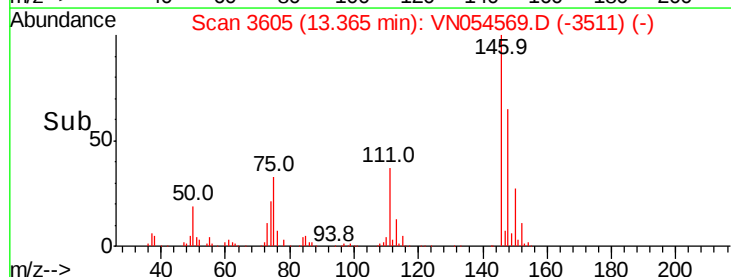
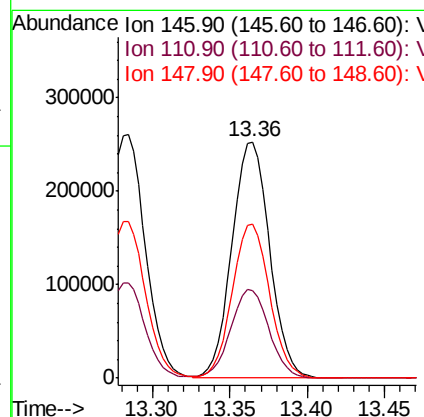
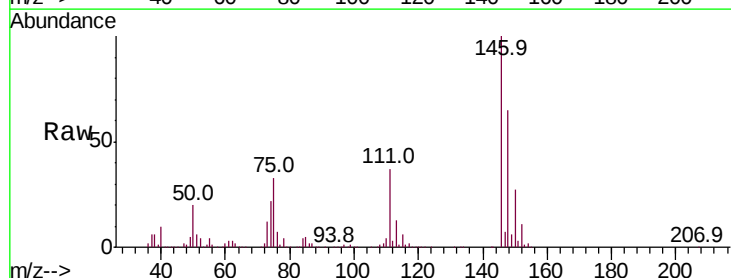
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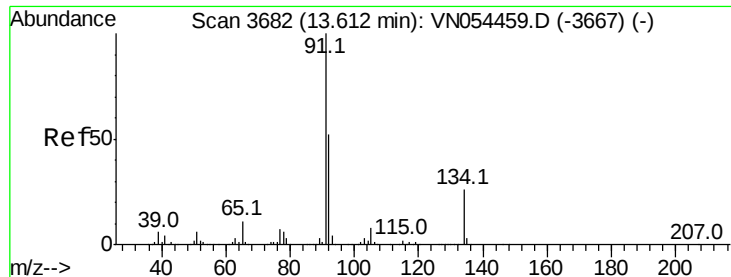
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#88
 1,4-Dichlorobenzene
 Concen: 48.456 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.1
148	64.9	32.0	96.0





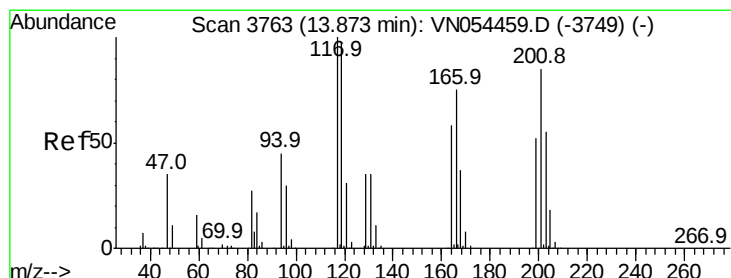
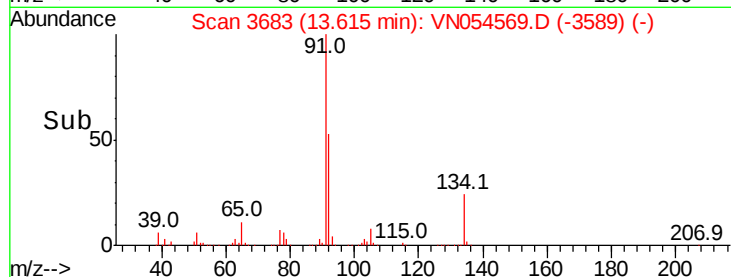
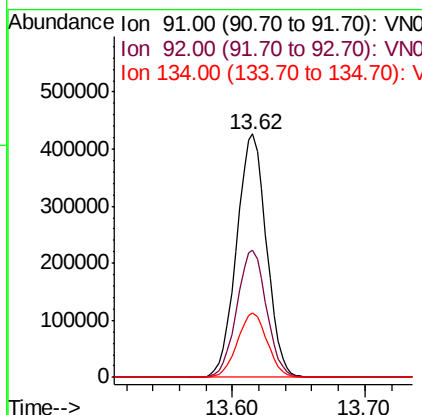
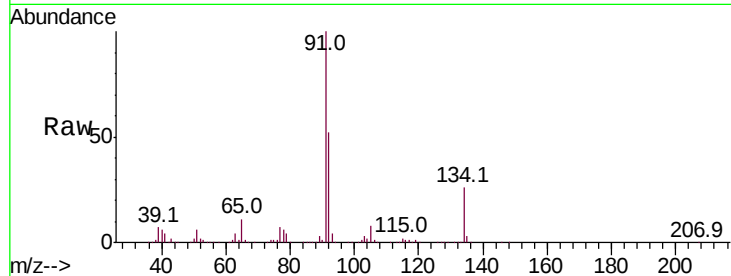
#89
n-Butylbenzene
Concen: 48.598 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	26.3	14.3	42.9

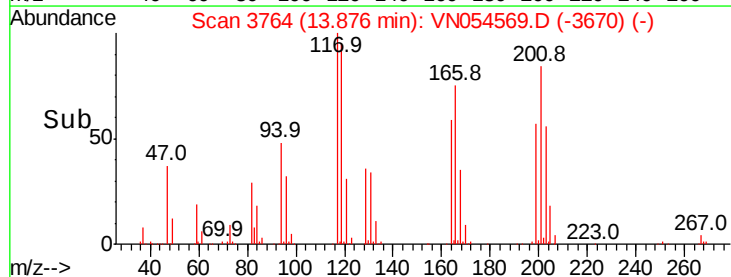
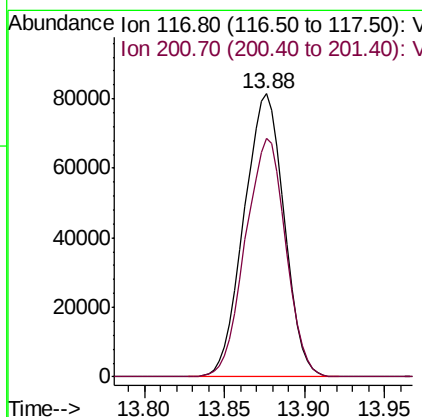
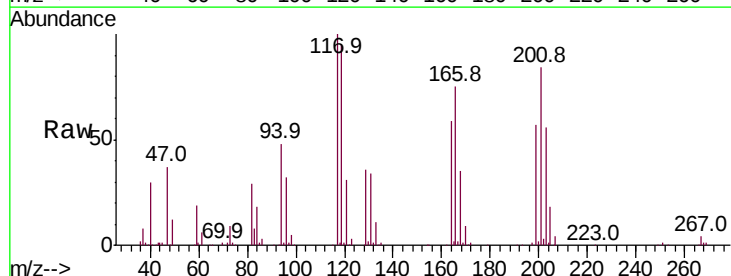
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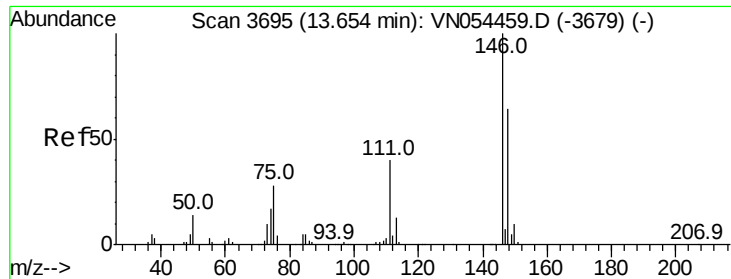
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#90
Hexachloroethane
Concen: 51.568 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 50.338 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

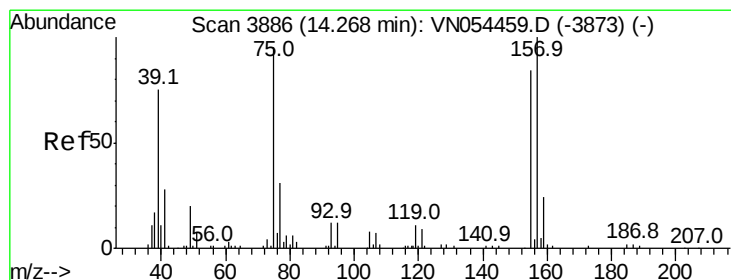
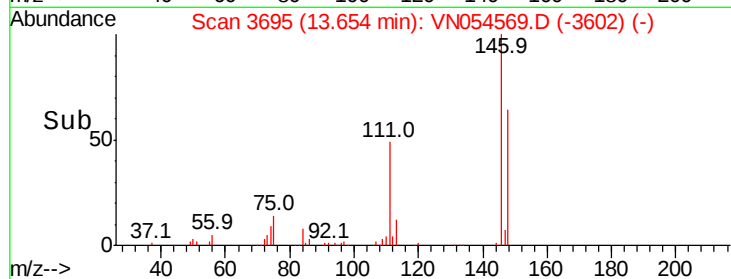
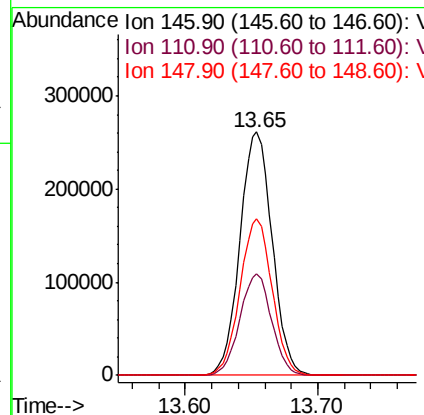
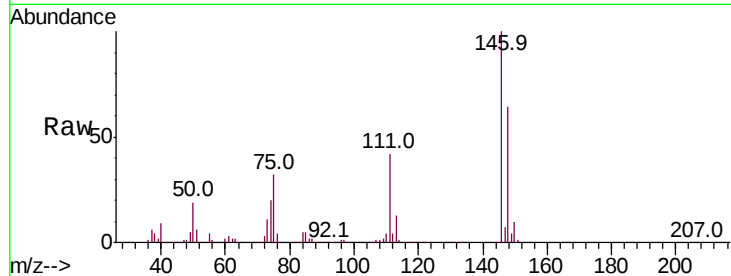
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	441161
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.1	57.3
148	64.1	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.539 ug/l

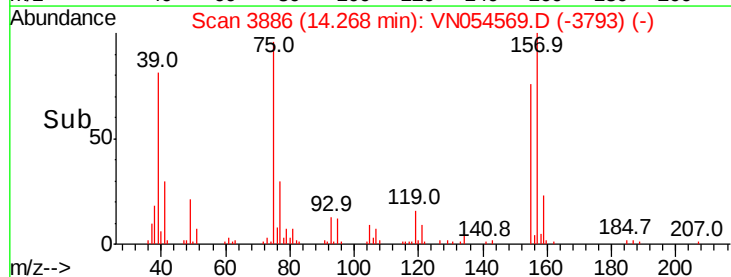
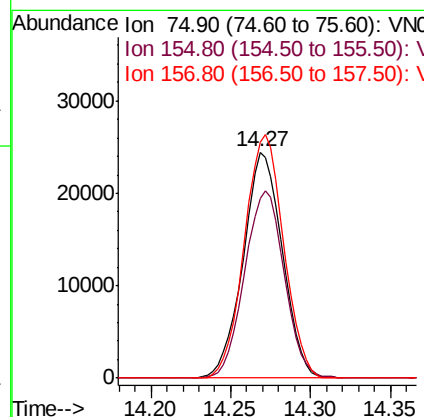
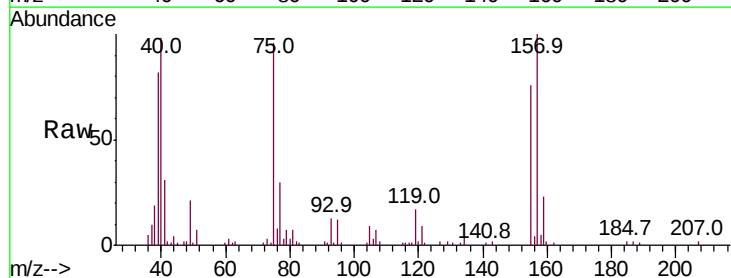
RT: 14.27 min Scan# 3886

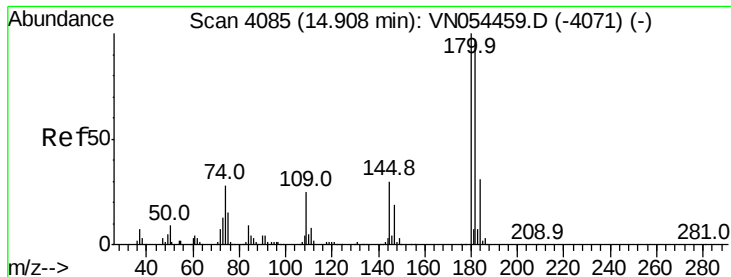
Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion:	75	Resp:	40939
Ion Ratio	Lower	Upper	
75	100		
155	83.9	50.1	150.3
157	107.7	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 48.708 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

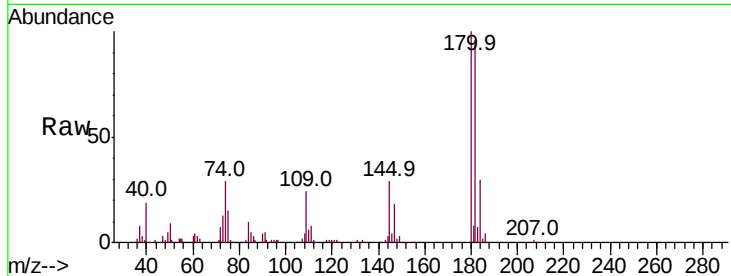
ClientSampleId :

VSTDCCC050EC

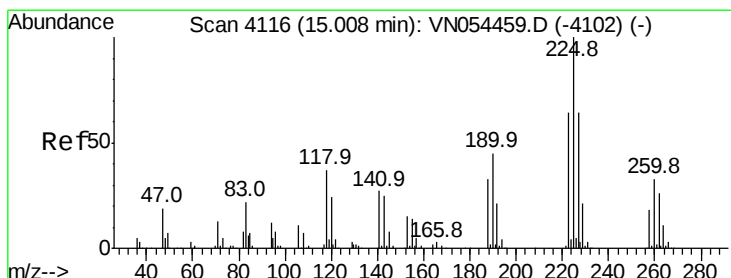
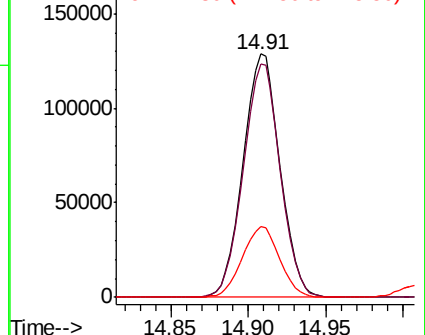
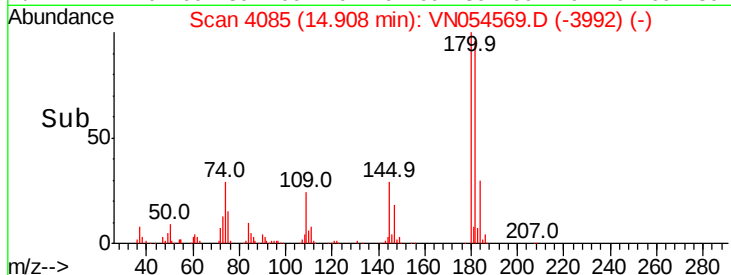
Tot Ion:	180	Resp:	212802
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	29.4	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/25/2019 3:11:51 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 49.477 ug/l

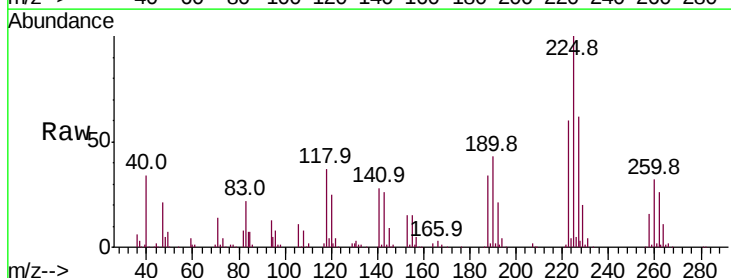
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

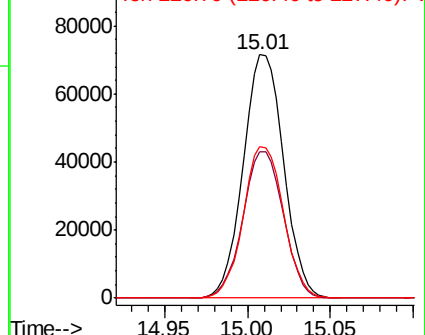
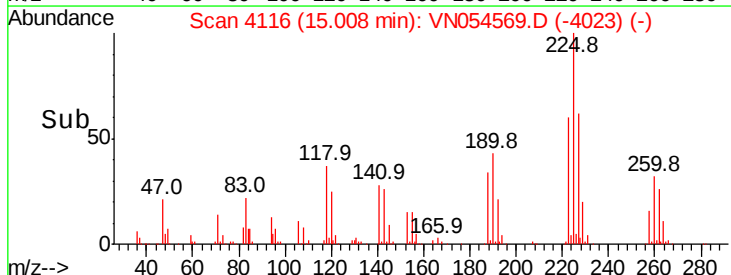
Lab File: VN054569.D

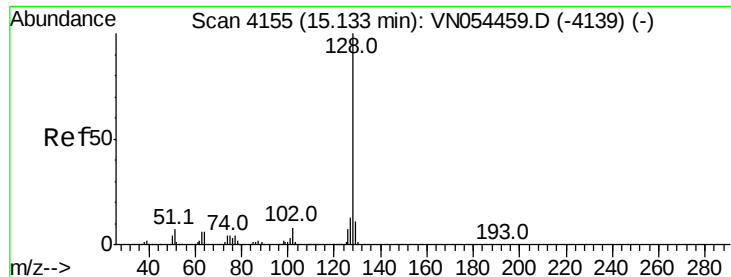
Acq: 22 Mar 2019 20:22

Tgt Ion:	225	Resp:	121512
Ion Ratio	Lower	Upper	
225	100		
223	60.4	31.1	93.5
227	61.9	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





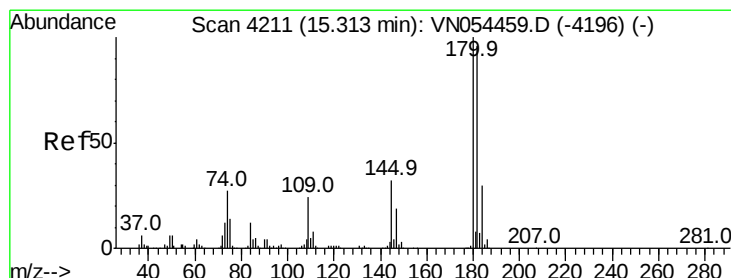
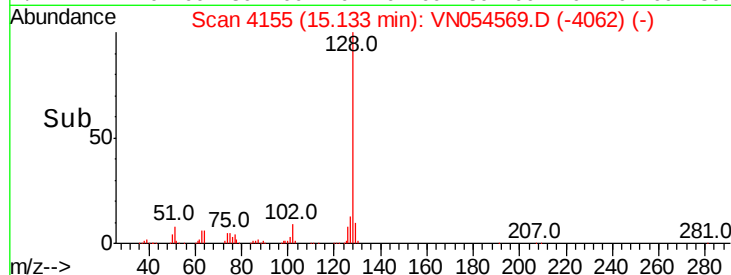
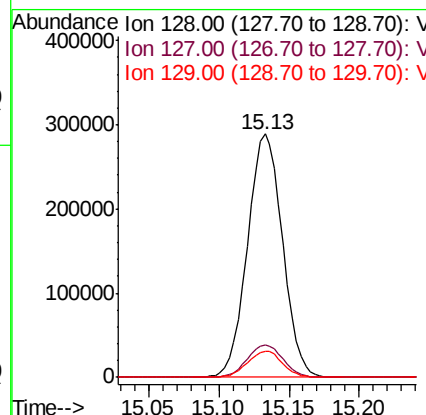
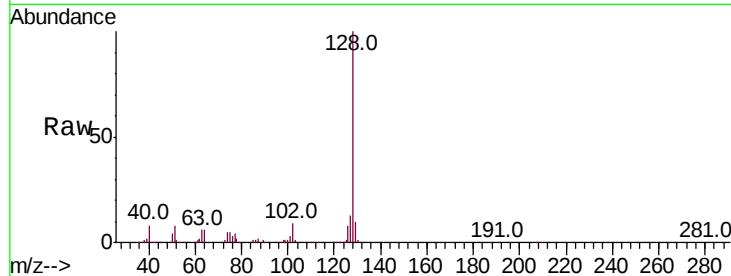
#95
Naphthalene
Concen: 51.707 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 3:11:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.175 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	30.4	14.8	44.3

