

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054201.D
 Acq On : 13 Mar 2019 8:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:40:51 AM

Quant Time: Mar 13 09:17:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1488442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2301335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2075184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1011508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	812045	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	745565	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.09	98	2727651	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	964599	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	715213	50.700	ug/l	98
3) Chloromethane	2.06	50	660187	48.179	ug/l	100
4) Vinyl Chloride	2.19	62	787711	50.295	ug/l	99
5) Bromomethane	2.57	94	498669	45.972	ug/l	100
6) Chloroethane	2.71	64	460330	48.578	ug/l	98
7) Trichlorofluoromethane	3.02	101	1000509	48.048	ug/l	98
8) Diethyl Ether	3.41	74	519436	54.740	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	788037	50.502	ug/l	99
10) Methyl Iodide	3.94	142	1053707	47.624	ug/l	99
11) Tert butyl alcohol	4.81	59	261356	241.179	ug/l	98
12) 1,1-Dichloroethene	3.73	96	817789	52.886	ug/l	99
13) Acrolein	3.61	56	271498	264.396	ug/l	99
14) Allyl chloride	4.32	41	980809	49.436	ug/l	99
15) Acrylonitrile	4.99	53	1247520	280.257	ug/l	99
16) Acetone	3.82	43	929067	205.274	ug/l	100
17) Carbon Disulfide	4.04	76	1953053	50.383	ug/l	99
18) Methyl Acetate	4.33	43	540185	58.992	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	2084601	54.387	ug/l	99
20) Methylene Chloride	4.55	84	774658	52.126	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	774602	52.282	ug/l	98
22) Diisopropyl ether	5.96	45	2132413	53.853	ug/l	99
23) Vinyl Acetate	5.90	43	8071485	276.467	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1345184	52.909	ug/l	99
25) 2-Butanone	6.84	43	1429534	269.108	ug/l	100
26) 2,2-Dichloropropane	6.82	77	739010	33.053	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	885451	53.570	ug/l	96
28) Bromochloromethane	7.19	49	532013	51.185	ug/l	97
29) Tetrahydrofuran	7.22	42	950553	278.306	ug/l	100
30) Chloroform	7.37	83	1417593	53.433	ug/l	99
31) Cyclohexane	7.65	56	1197186	50.375	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1267253	52.890	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1068965	50.439	ug/l	99
37) Ethyl Acetate	6.94	43	653832	53.692	ug/l	99
38) Carbon Tetrachloride	7.77	117	1101341	49.554	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1262720	48.425	ug/l	98
40) Benzene	8.04	78	3140856	51.789	ug/l	100
41) Methacrylonitrile	7.18	41	369131	53.090	ug/l	99
42) 1,2-Dichloroethane	8.12	62	1066005	52.063	ug/l	100
43) Isopropyl Acetate	8.17	43	1178379	55.129	ug/l	98
44) Trichloroethene	8.83	130	970407	51.508	ug/l	100
45) 1,2-Dichloropropane	9.12	63	788234	52.342	ug/l	100
46) Dibromomethane	9.21	93	534696	52.551	ug/l	100
47) Bromodichloromethane	9.40	83	1075978	52.749	ug/l	98
48) Methyl methacrylate	9.20	41	608887	56.132	ug/l	98
49) 1,4-Dioxane	9.20	88	134116	874.095	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3252599	287.544	ug/l	100
52) Toluene	10.16	92	2007596	52.208	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1051462	45.264	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1186490	49.916	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	749053	53.347	ug/l	99
56) Ethyl methacrylate	10.43	69	950369	56.765	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1225262	53.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1766355	243.642	ug/l	100
59) 2-Hexanone	10.75	43	2086523	277.215	ug/l	100
60) Dibromochloromethane	10.90	129	848351	53.679	ug/l	100
61) 1,2-Dibromoethane	11.01	107	780783	54.720	ug/l	99
64) Tetrachloroethene	10.63	164	991239	49.404	ug/l	99
65) Chlorobenzene	11.43	112	2306669	50.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	853816	51.582	ug/l	99
67) Ethyl Benzene	11.51	91	3781289	50.062	ug/l	99
68) m/p-Xylenes	11.62	106	2984307	101.089	ug/l	100
69) o-Xylene	11.95	106	1453596	50.510	ug/l	100
70) Styrene	11.96	104	2343376	51.920	ug/l	100
71) Bromoform	12.13	173	585154	46.545	ug/l #	100
73) Isopropylbenzene	12.25	105	3839764	47.447	ug/l	100
74) N-amyl acetate	12.07	43	979991	54.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	874601	50.725	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	785307m	52.795	ug/l	
77) Bromobenzene	12.53	156	1046813	48.883	ug/l	99
78) n-propylbenzene	12.59	91	4258874	48.500	ug/l	100
79) 2-Chlorotoluene	12.67	91	2533731	47.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3186090	47.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	191322	43.969	ug/l	96
82) 4-Chlorotoluene	12.77	91	2564376	48.641	ug/l	100
83) tert-Butylbenzene	12.99	119	2908856	46.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3211680	48.633	ug/l	100
85) sec-Butylbenzene	13.17	105	3803061	47.330	ug/l	100
86) p-Isopropyltoluene	13.29	119	3357389	47.627	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1798313	49.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1765450	49.804	ug/l	99
89) n-Butylbenzene	13.62	91	2694758	50.312	ug/l	100
90) Hexachloroethane	13.88	117	548419	46.984	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1754796	49.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	135877	50.927	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1030419	48.465	ug/l	99
94) Hexachlorobutadiene	15.01	225	595948	44.353	ug/l	100
95) Naphthalene	15.13	128	2149782	48.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1020380	54.442	ug/l	99

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

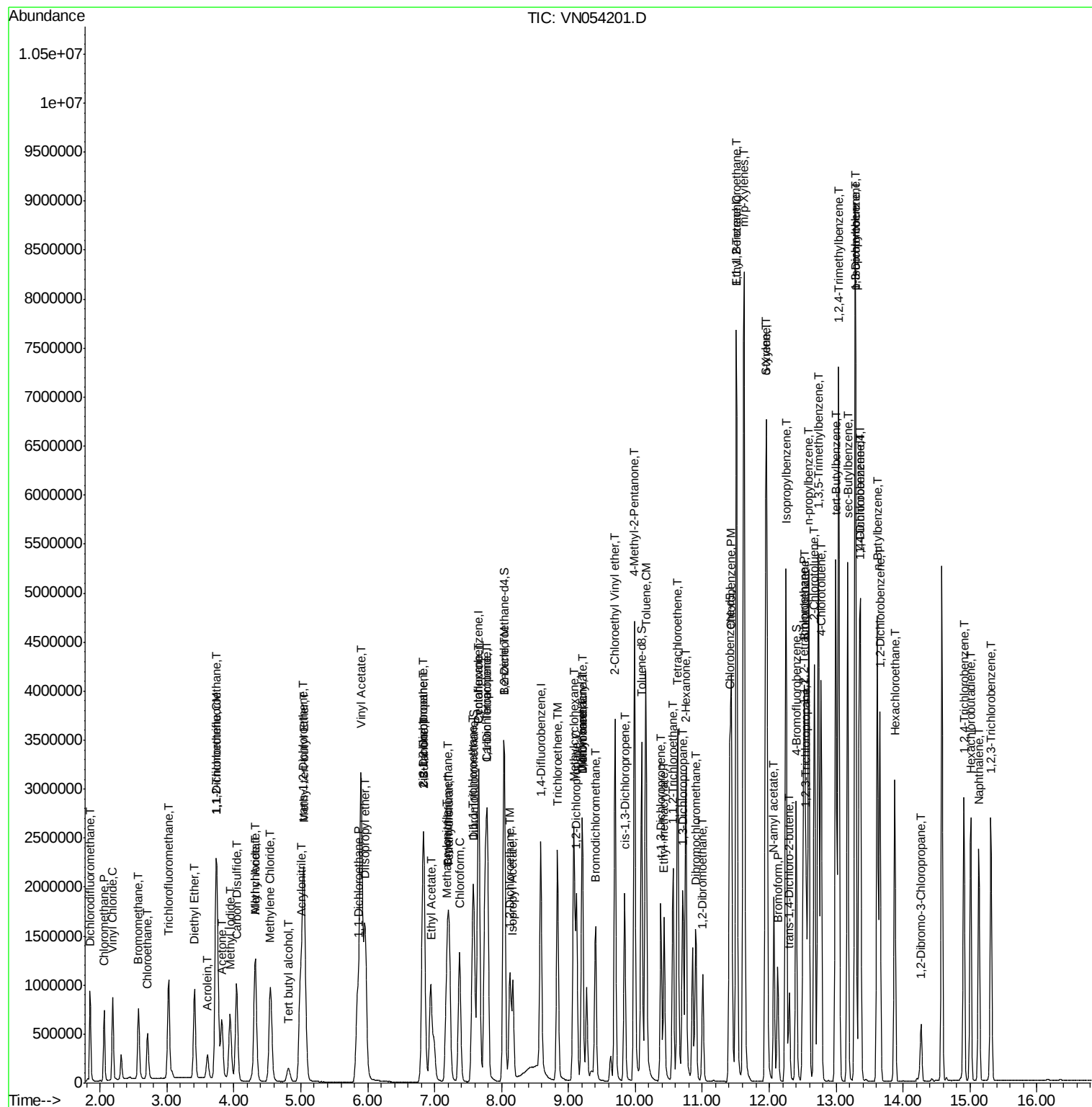
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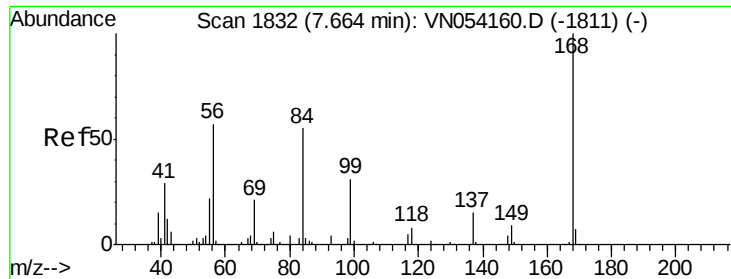
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050EC

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1488442

Ion Ratio Lower Upper

168 100

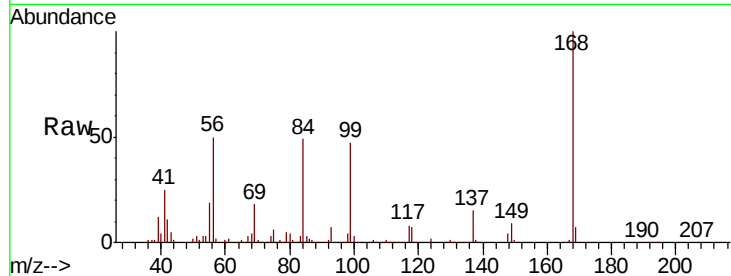
99 46.0 37.1 55.7

Manual Integrations

APPROVED

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3/13/2019 11:40:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

400000

200000

0

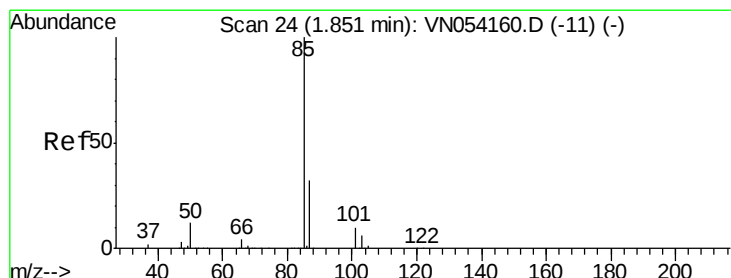
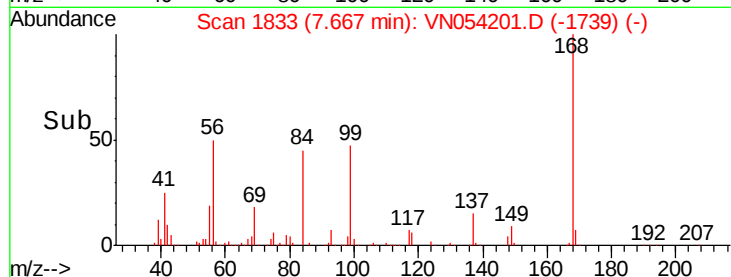
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.700 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054201.D

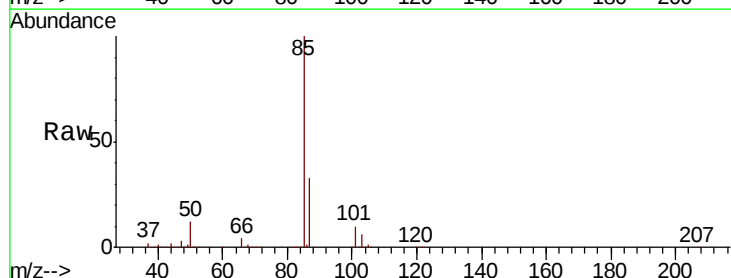
Acq: 13 Mar 2019 8:45

Tgt Ion: 85 Resp: 715213

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

500000

400000

300000

200000

100000

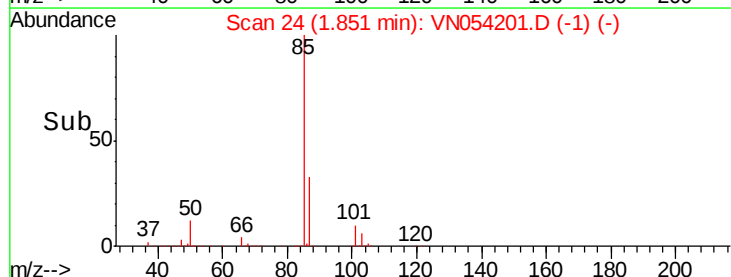
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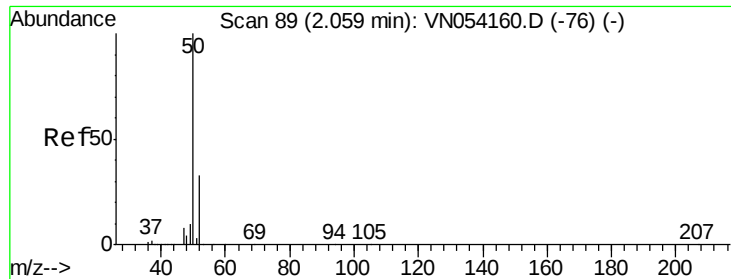
1.85

1.80

1.90

Time-->





#3

Chloromethane

Concen: 48.179 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 660187

Ion Ratio Lower Upper

50 100

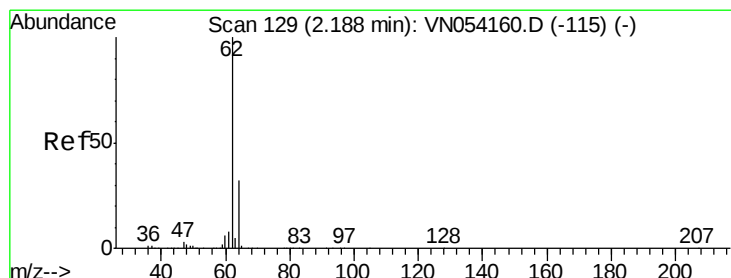
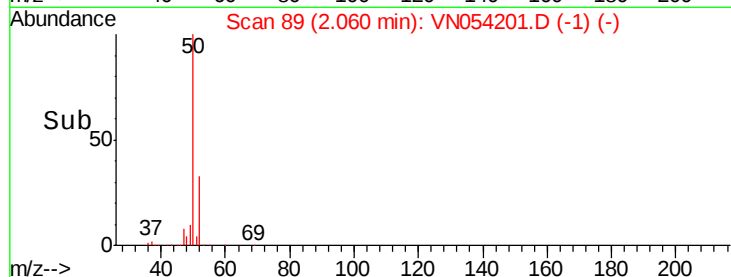
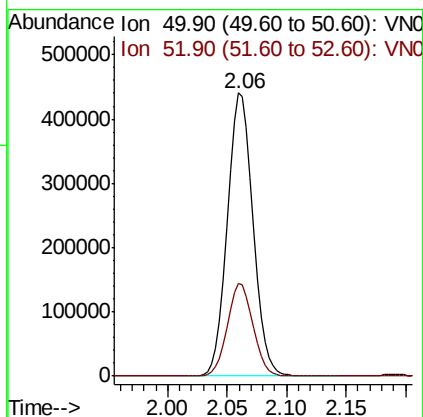
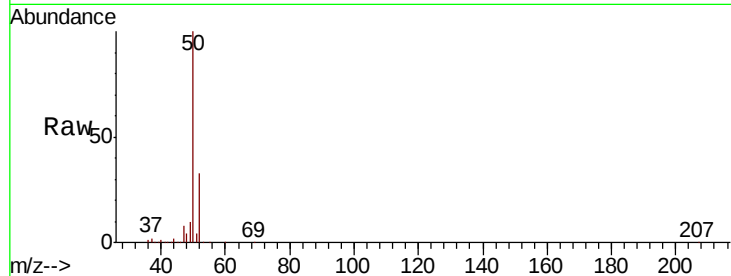
52 32.9 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.295 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054201.D

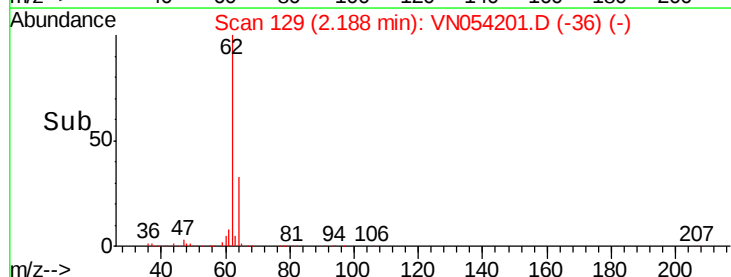
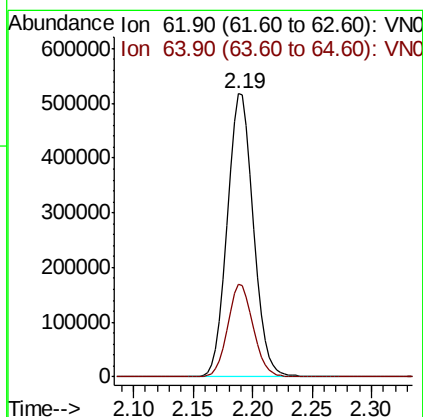
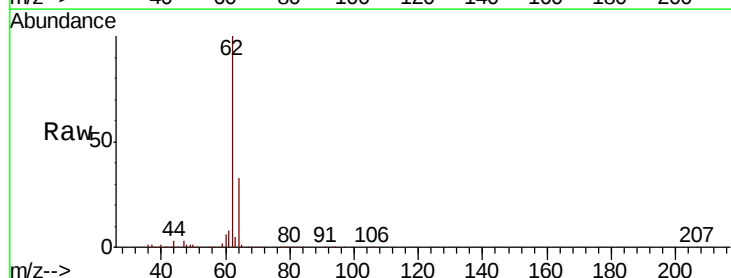
Acq: 13 Mar 2019 8:45

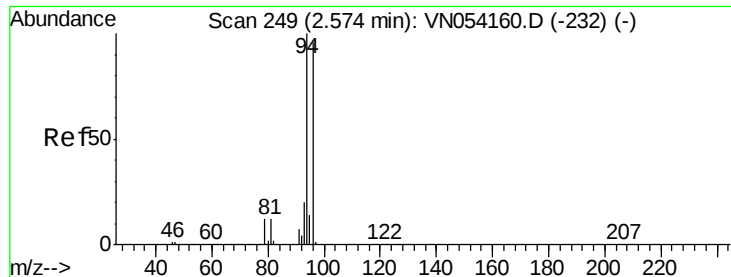
Tgt Ion: 62 Resp: 787711

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 45.972 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 498669

Ion Ratio Lower Upper

94 100

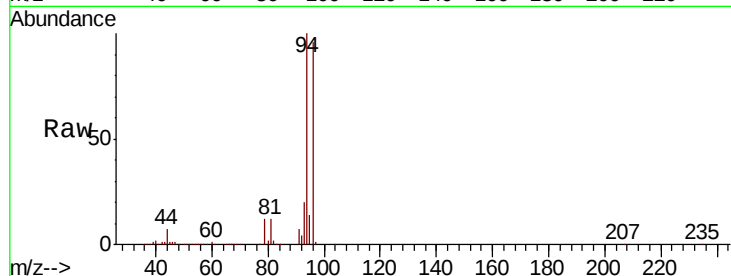
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Manual Integrations

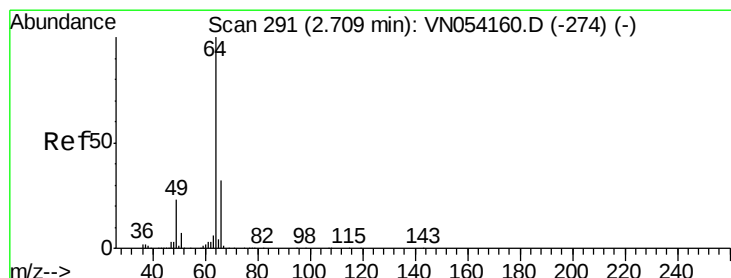
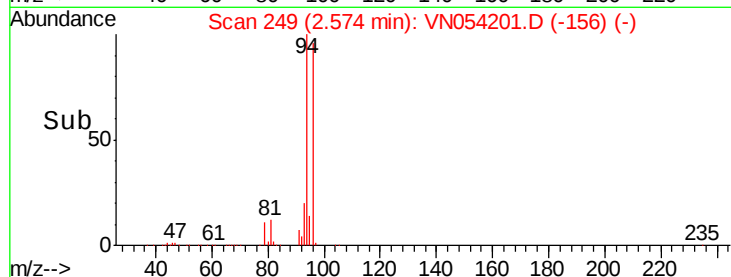
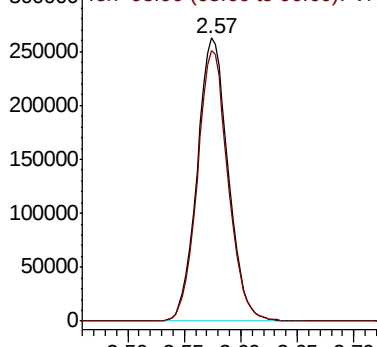
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.578 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054201.D

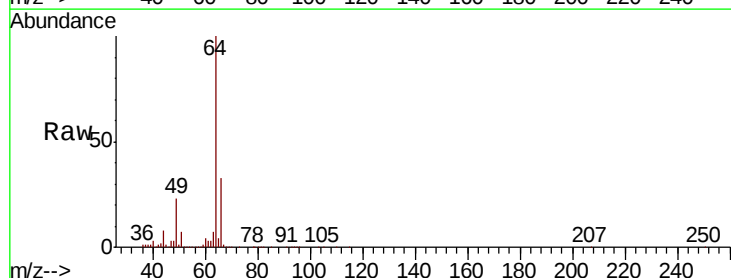
Acq: 13 Mar 2019 8:45

Tgt Ion: 64 Resp: 460330

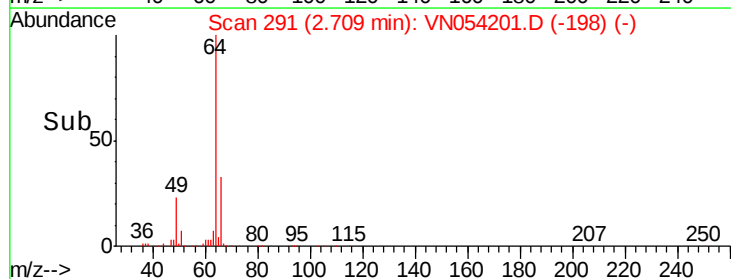
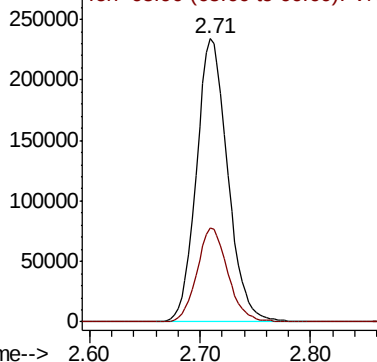
Ion Ratio Lower Upper

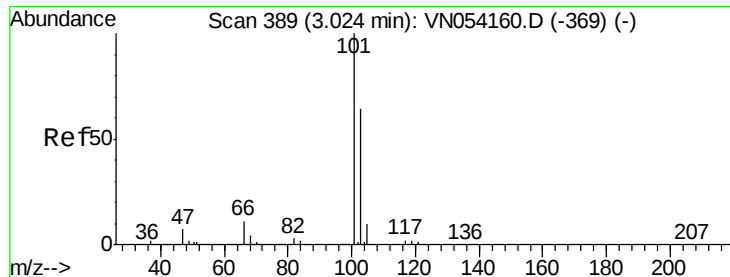
64 100

66 33.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

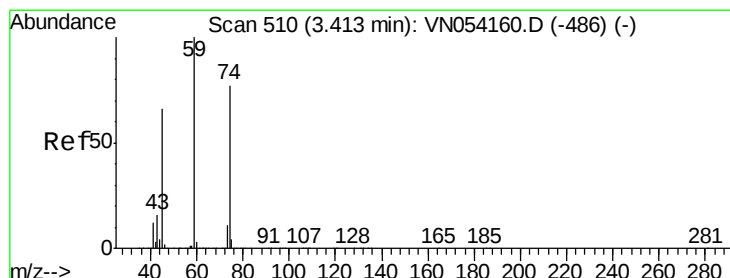
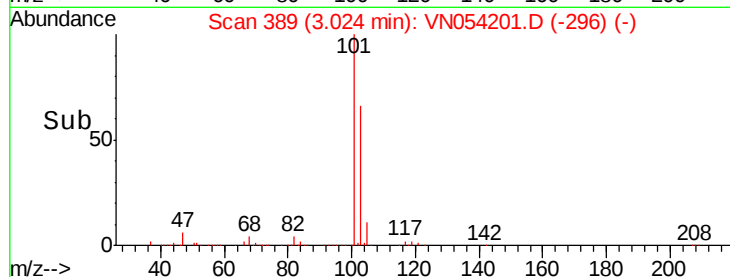
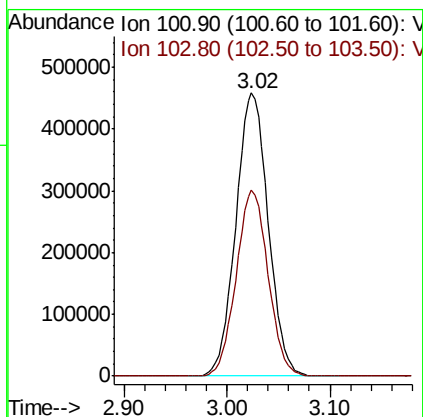
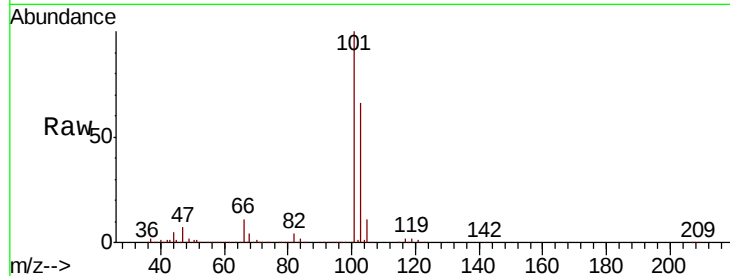
Trichlorofluoromethane
Concen: 48.048 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 1000509
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2

Manual Integrations
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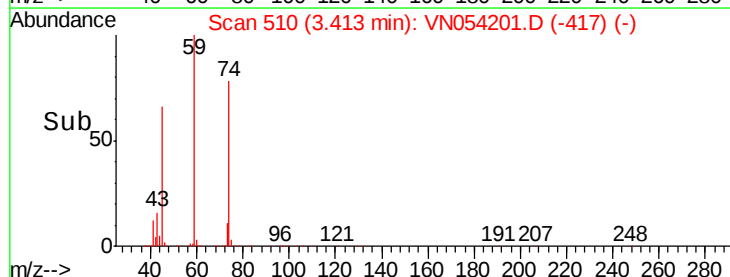
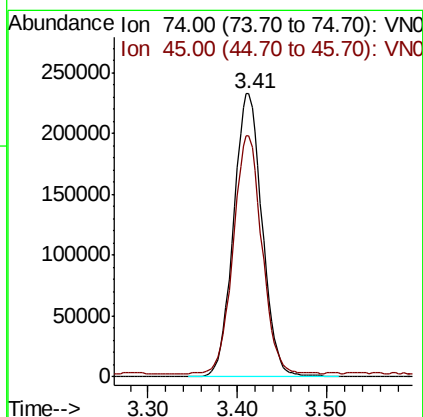
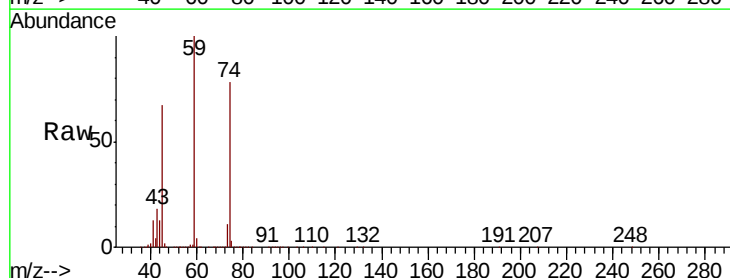
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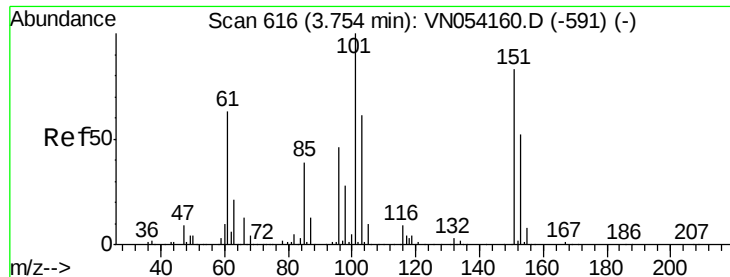


#8

Diethyl Ether
Concen: 54.740 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 74 Resp: 519436
Ion Ratio Lower Upper
74 100
45 83.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.502 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:101 Resp: 788037
Ion Ratio Lower Upper

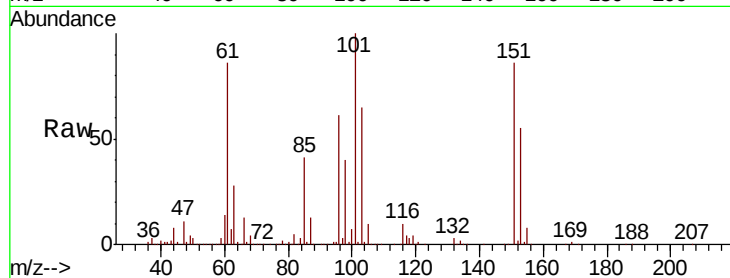
101 100

85 40.5 32.4 48.6

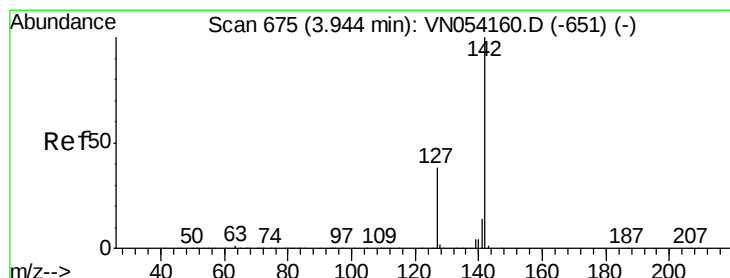
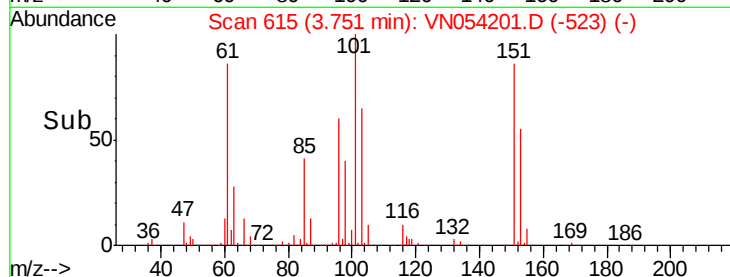
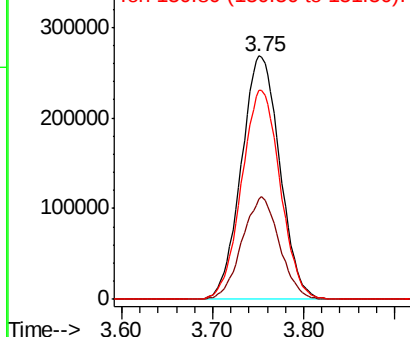
151 86.3 68.2 102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.624 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054201.D

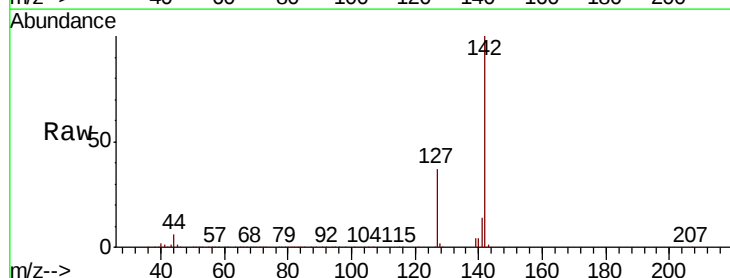
Acq: 13 Mar 2019 8:45

Tgt Ion:142 Resp: 1053707
Ion Ratio Lower Upper

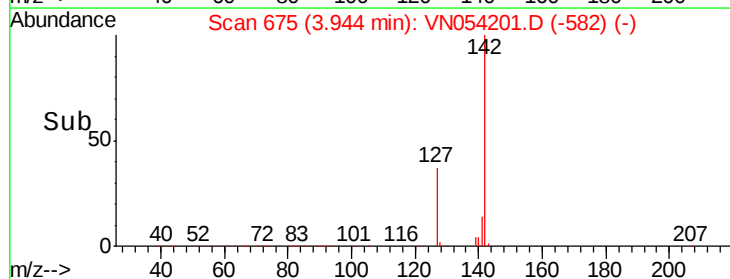
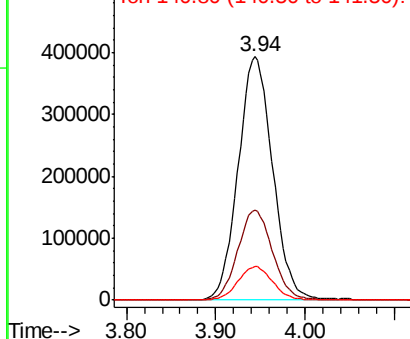
142 100

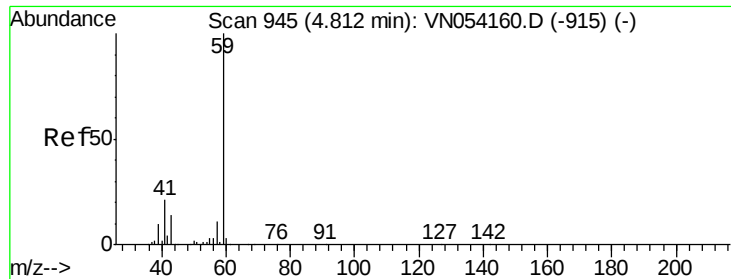
127 37.3 30.3 45.5

141 13.9 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





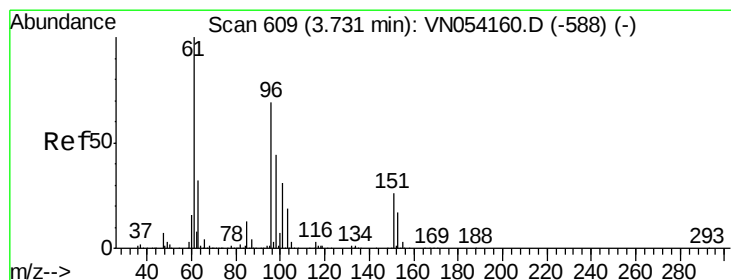
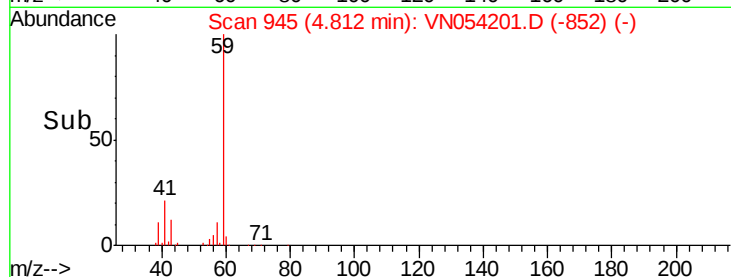
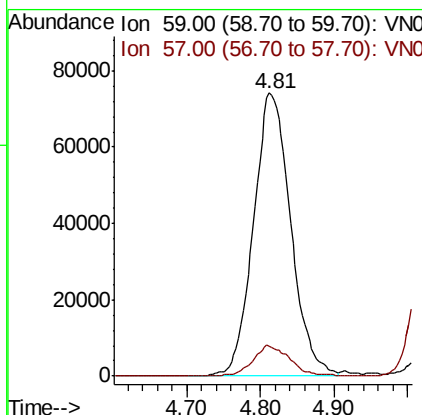
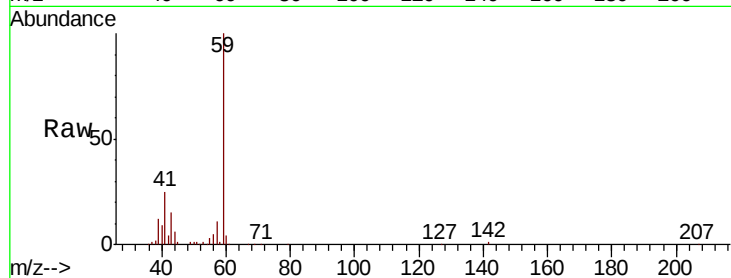
#11
Tert butyl alcohol
Concen: 241.179 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 261356
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6

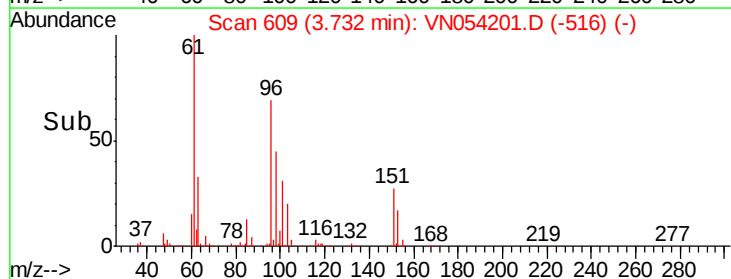
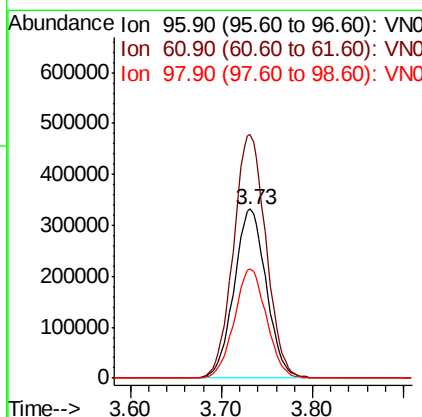
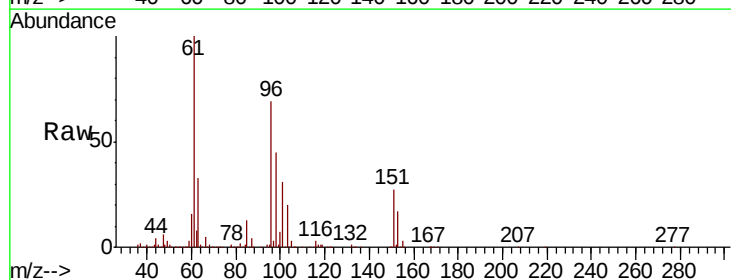
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#12
1,1-Dichloroethene
Concen: 52.886 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 96 Resp: 817789
Ion Ratio Lower Upper
96 100
61 144.0 116.5 174.7
98 64.4 51.0 76.4





#13

Acrolein

Concen: 264.396 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 271498

Ion Ratio Lower Upper

56 100

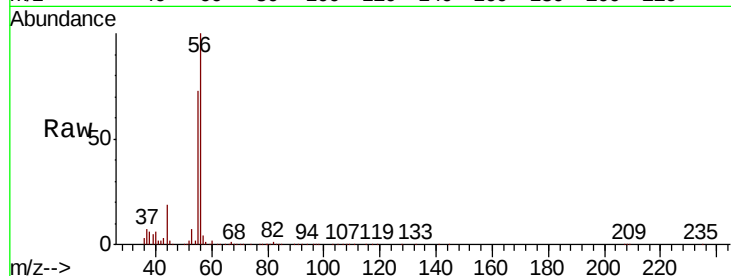
55 72.1 56.7 85.1

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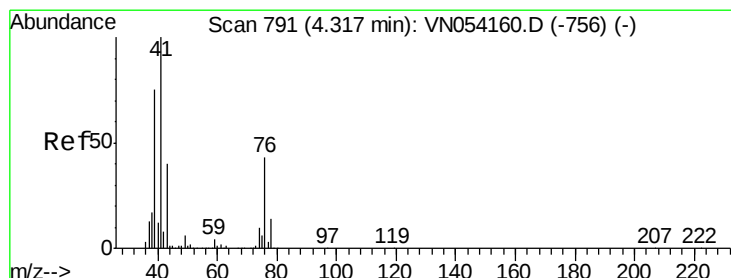
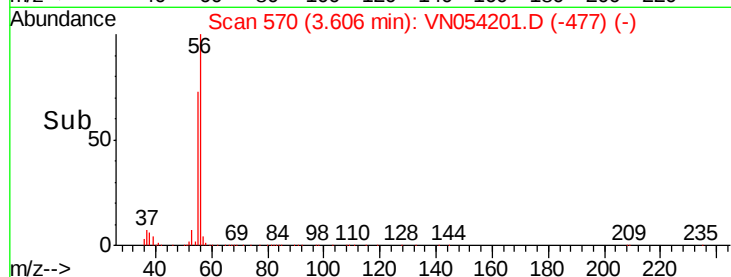
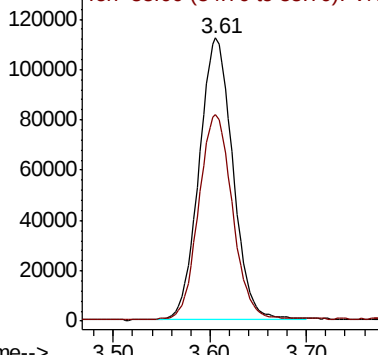
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.436 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

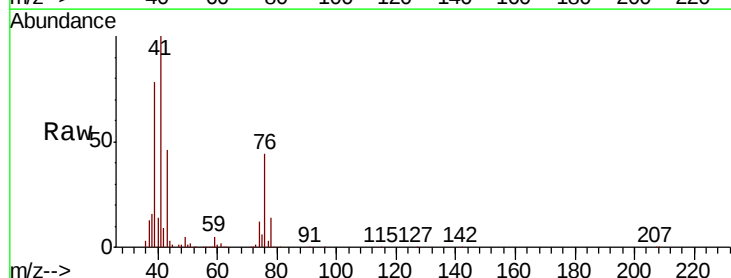
Tgt Ion: 41 Resp: 980809

Ion Ratio Lower Upper

41 100

39 74.3 58.2 87.4

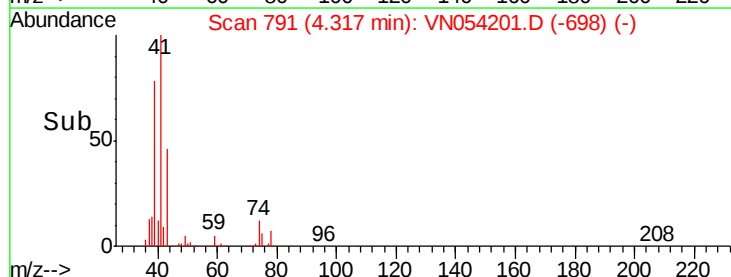
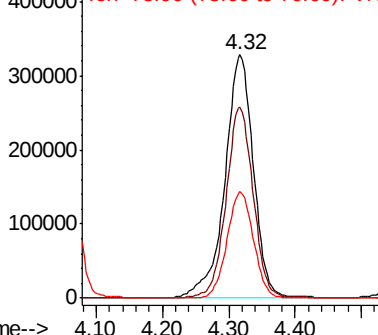
76 40.2 31.7 47.5

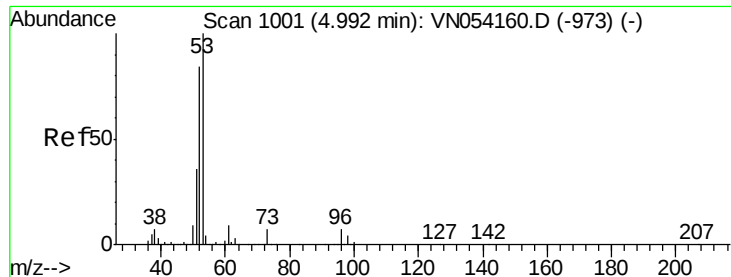


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





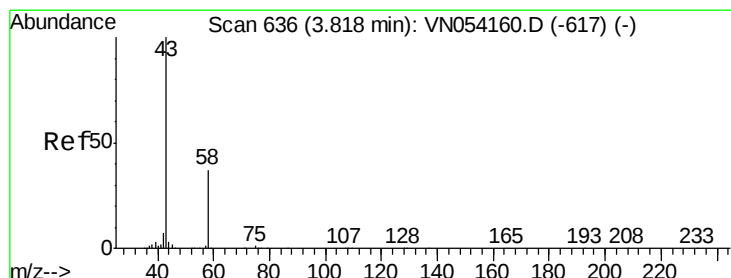
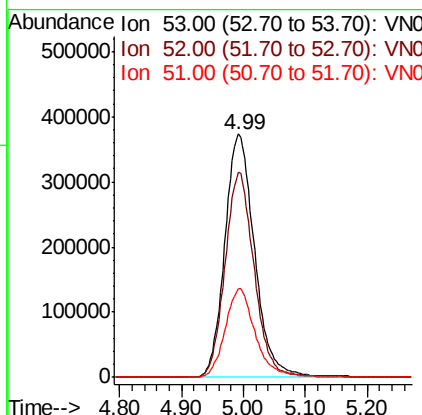
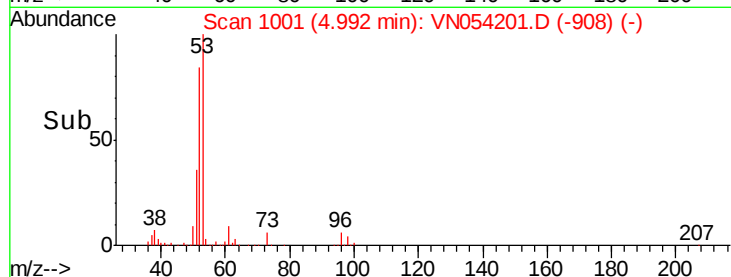
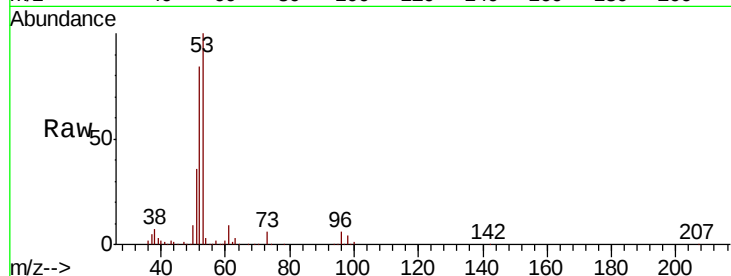
#15
 Acrylonitrile
 Concen: 280.257 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tgt Ion: 53 Resp: 1247520
 Ion Ratio Lower Upper
 53 100
 52 82.5 66.4 99.6
 51 36.7 29.6 44.4

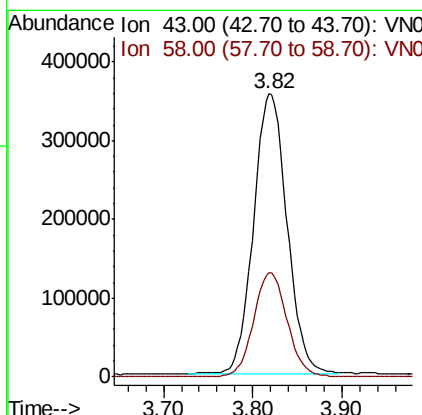
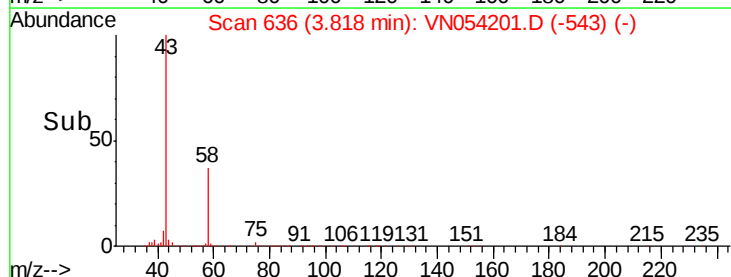
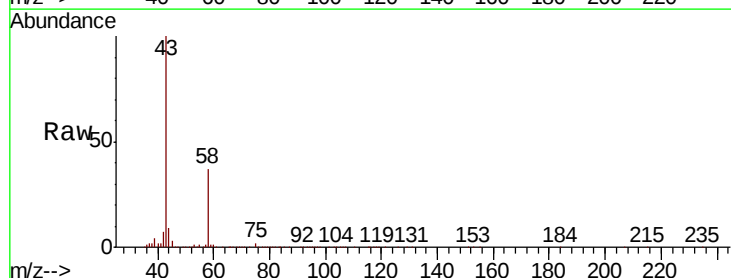
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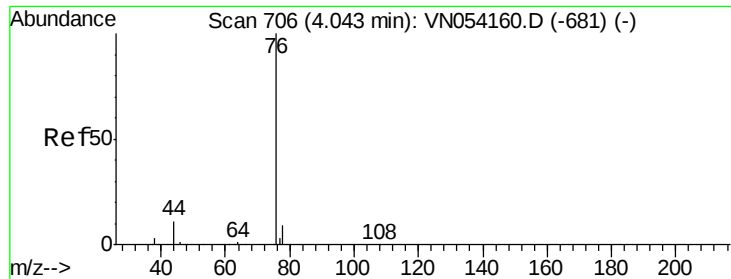
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#16
 Acetone
 Concen: 205.274 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion: 43 Resp: 929067
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.9 44.9





#17

Carbon Disulfide

Concen: 50.383 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 1953053

Ion Ratio Lower Upper

76 100

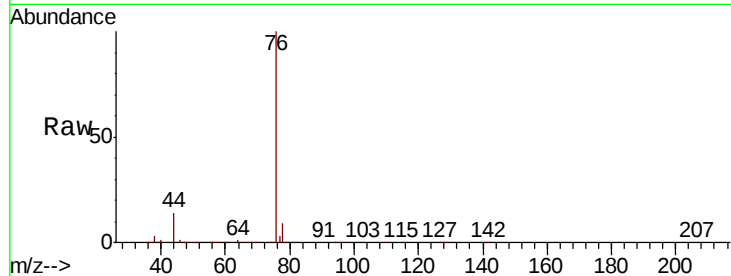
78 9.2 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VN054160.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN054160.D (-681) (-)

4.04

800000

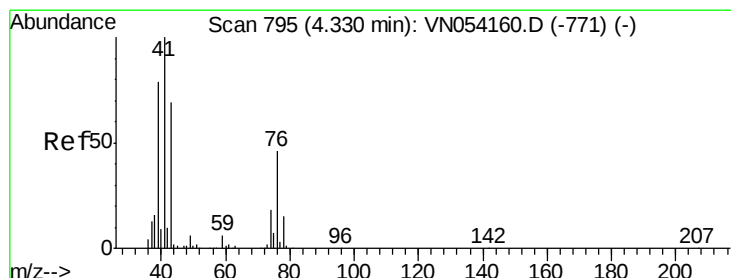
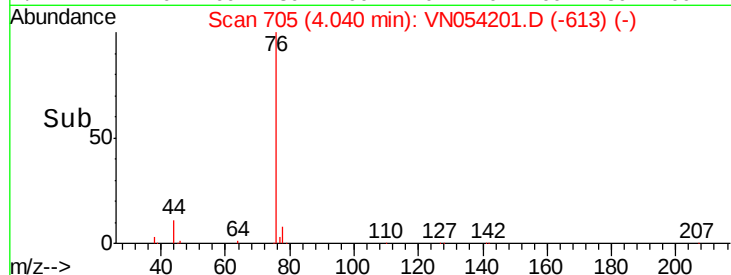
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 58.992 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054201.D

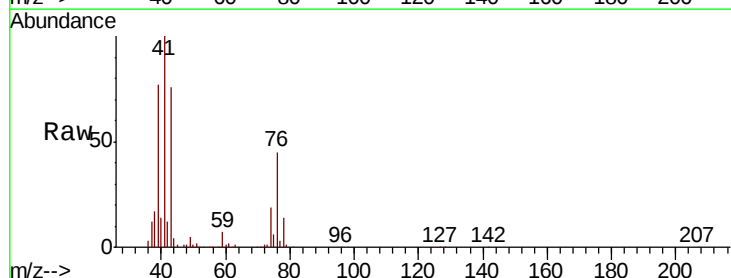
Acq: 13 Mar 2019 8:45

Tgt Ion: 43 Resp: 540185

Ion Ratio Lower Upper

43 100

74 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN054160.D (-771) (-)

4.33

200000

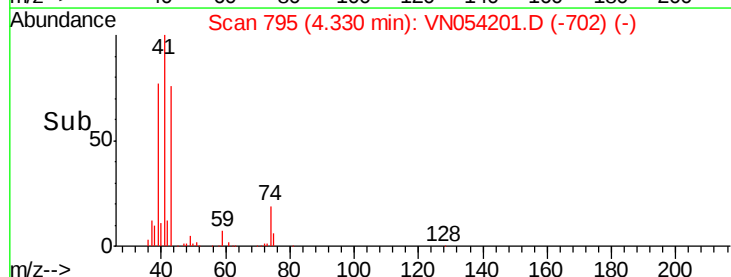
150000

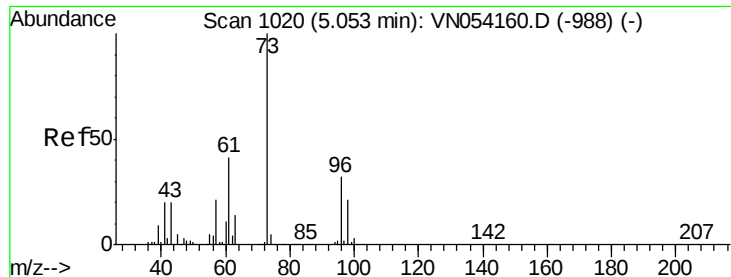
100000

50000

0

Time-->





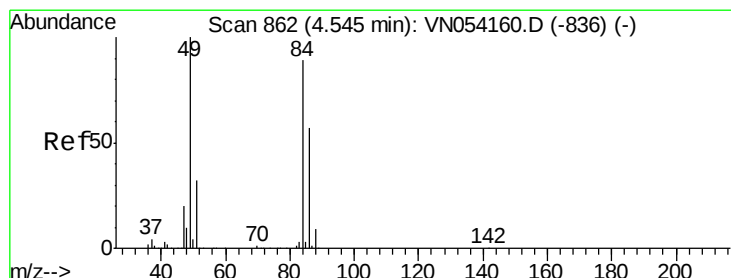
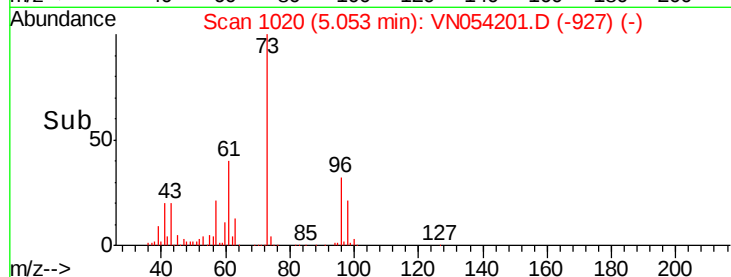
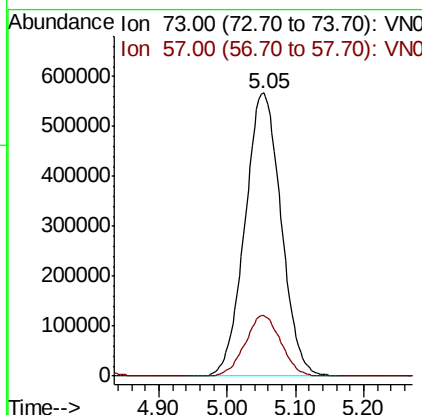
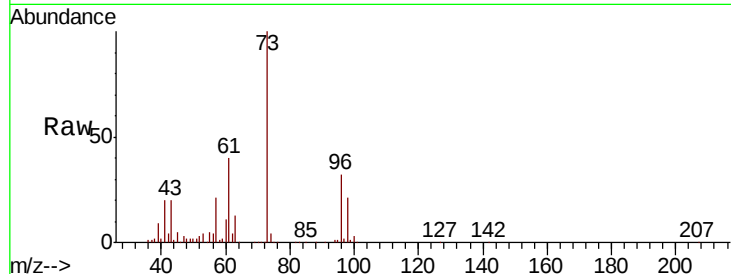
#19
Methyl tert-butyl Ether
Concen: 54.387 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 2084601
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

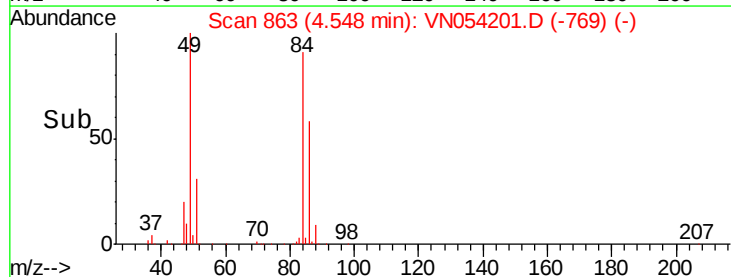
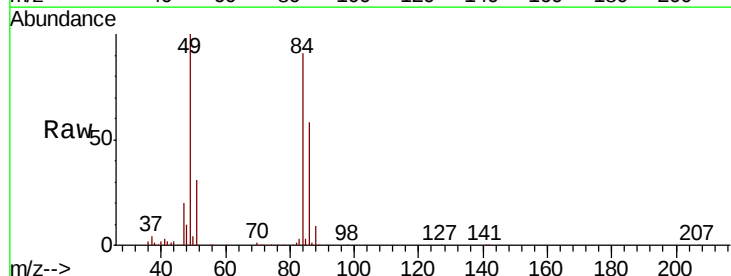
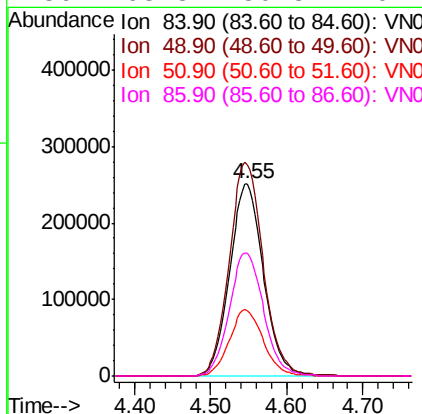
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#20
Methylene Chloride
Concen: 52.126 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 84 Resp: 774658
Ion Ratio Lower Upper
84 100
49 109.8 89.7 134.5
51 34.0 28.2 42.4
86 63.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.282 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

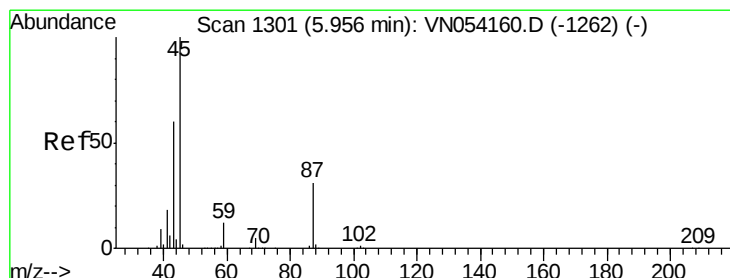
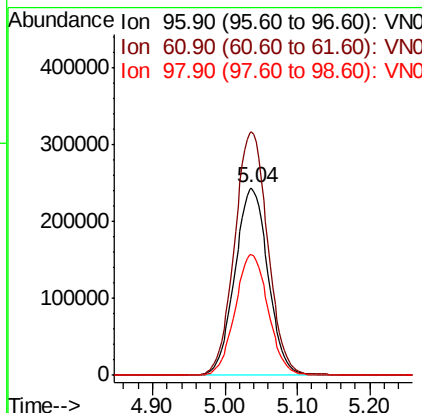
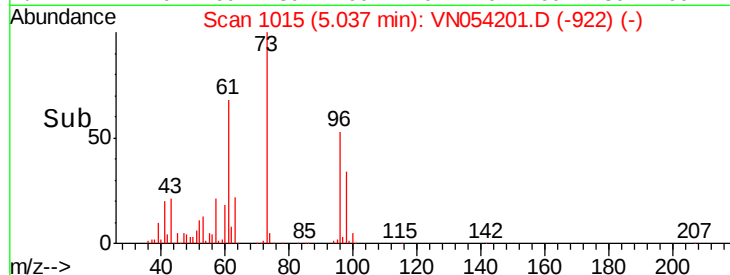
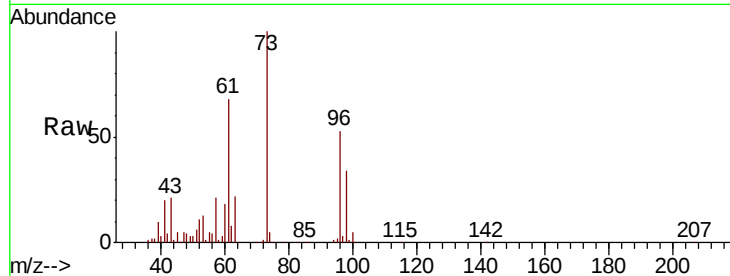
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	774602
Ion	Ratio	Lower	Upper
96	100		
61	130.0	102.8	154.2
98	64.7	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.853 ug/l

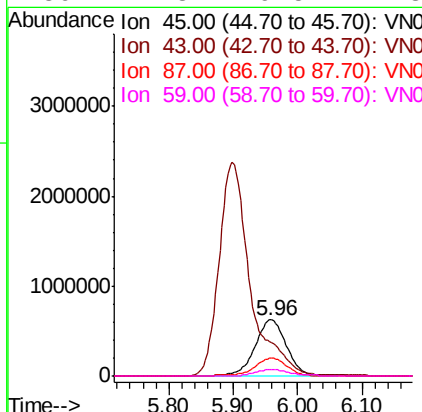
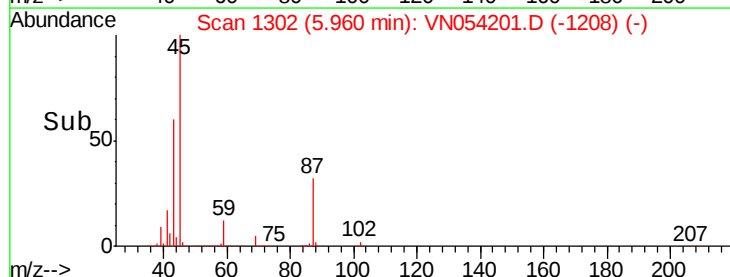
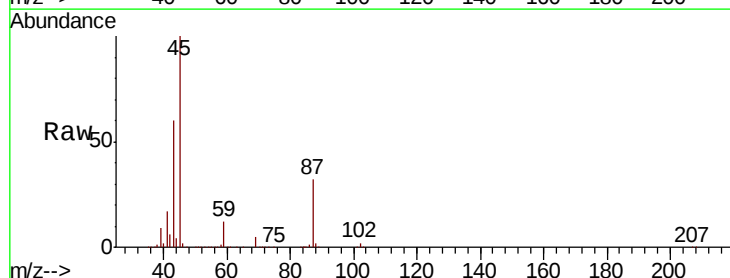
RT: 5.96 min Scan# 1302

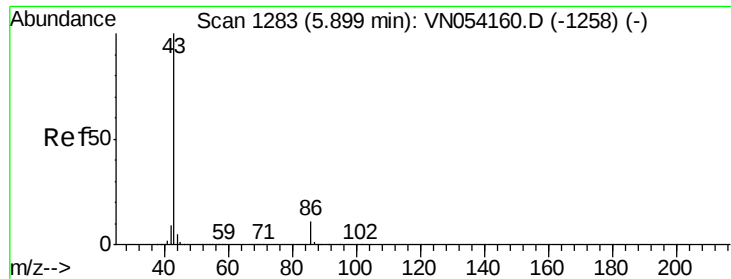
Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Tgt Ion:	45	Resp:	2132413
Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.2	72.2
87	31.5	24.9	37.3
59	11.8	9.5	14.3





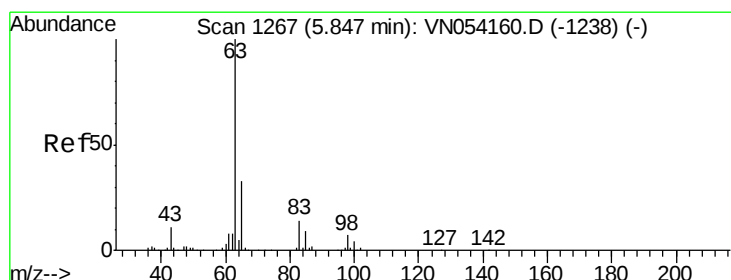
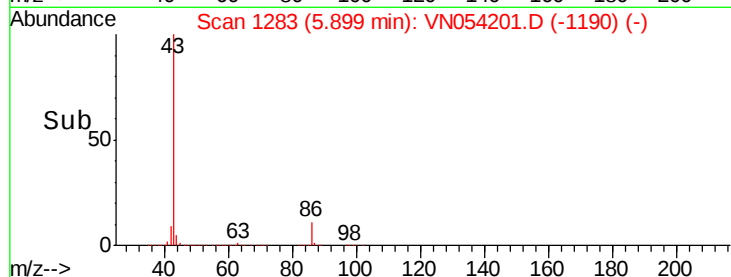
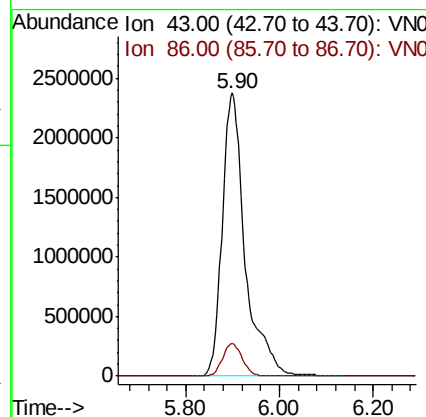
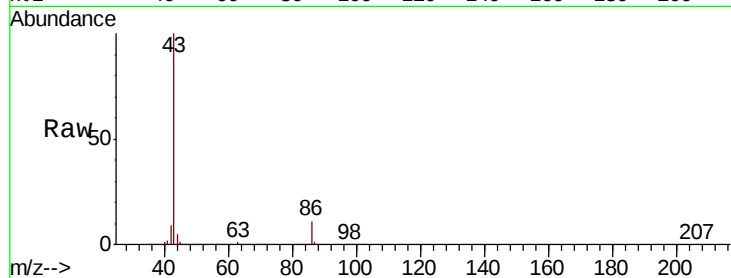
#23
 Vinyl Acetate
 Concen: 276.467 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 8071485
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.1 13.7

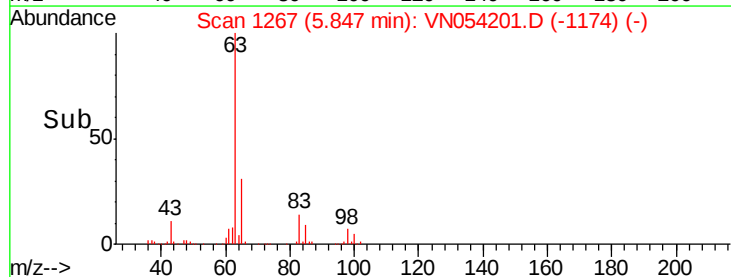
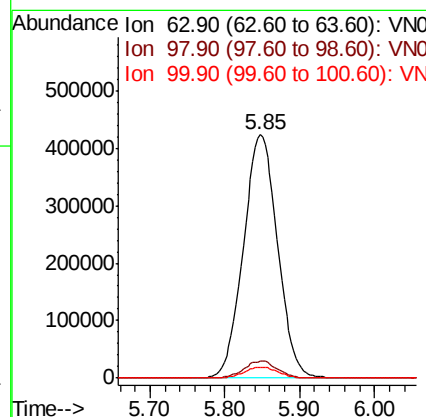
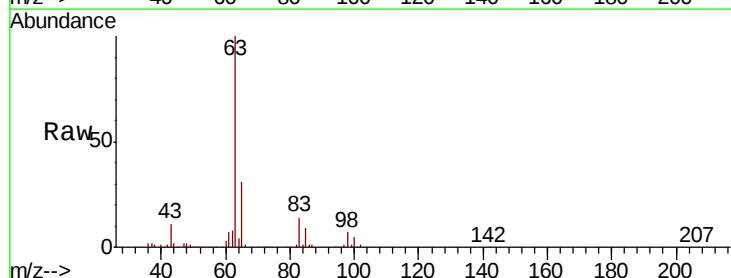
Manual Integrations
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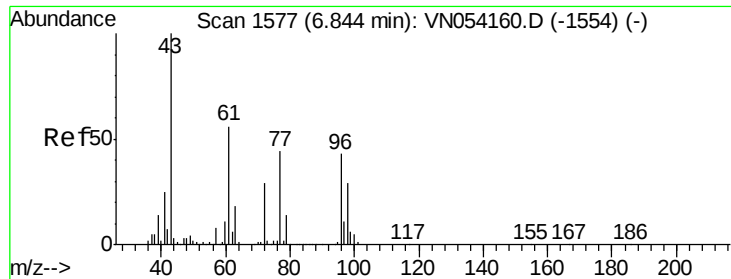
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 52.909 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion: 63 Resp: 1345184
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.6 2.0 6.0





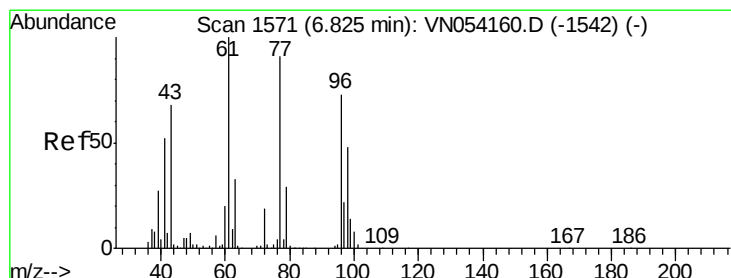
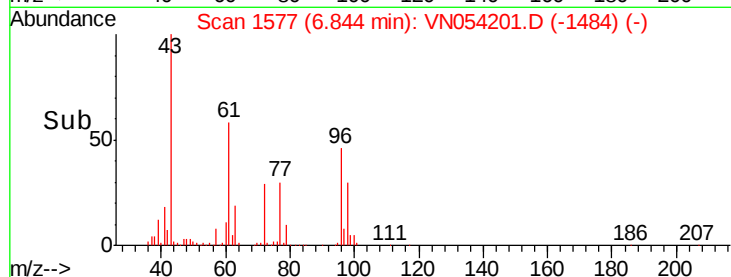
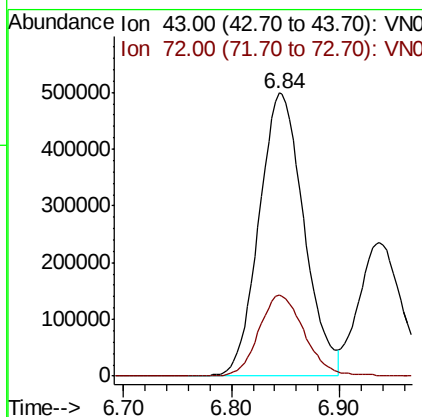
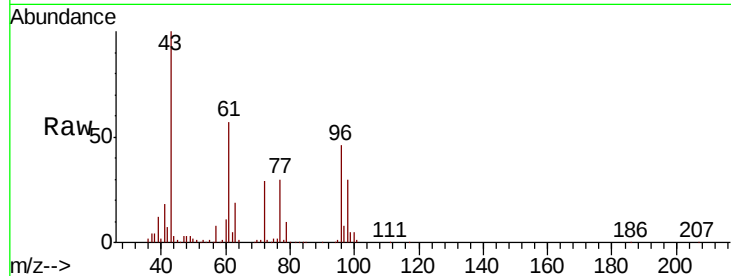
#25
2-Butanone
Concen: 269.108 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1429534
Ion Ratio Lower Upper
43 100
72 28.8 23.0 34.6

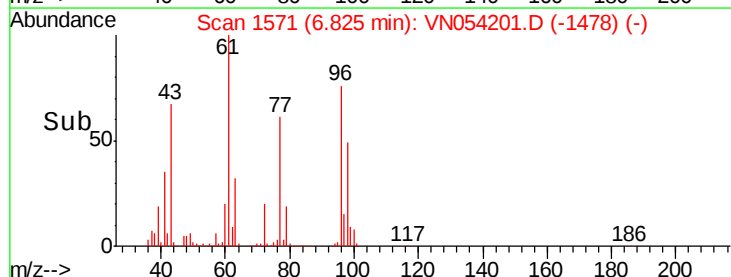
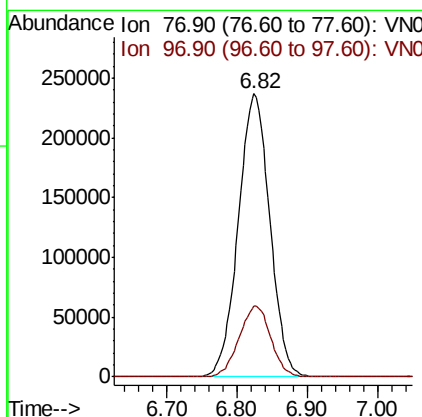
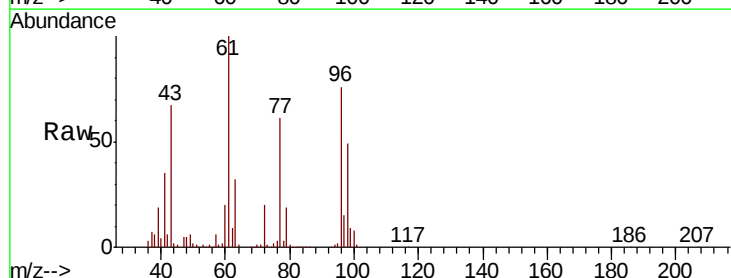
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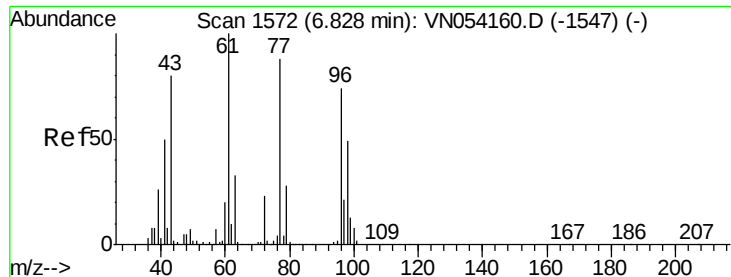
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#26
2,2-Dichloropropane
Concen: 33.053 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 77 Resp: 739010
Ion Ratio Lower Upper
77 100
97 25.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.570 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

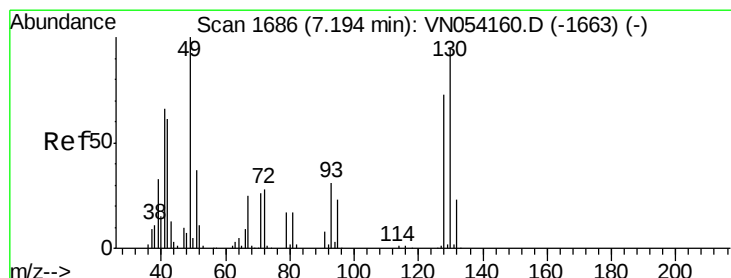
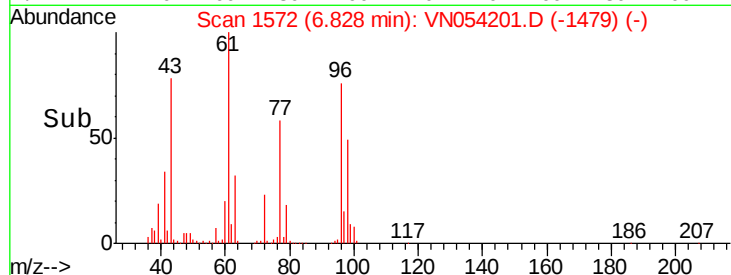
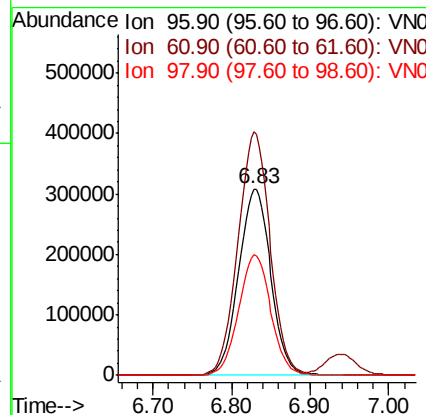
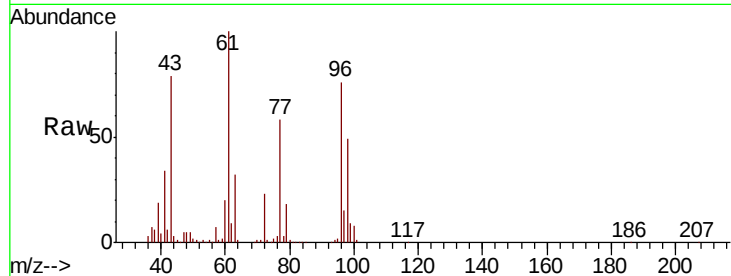
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	885451
Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	273.0
98	64.3	0.0	130.6

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#28

Bromochloromethane

Concen: 51.185 ug/l

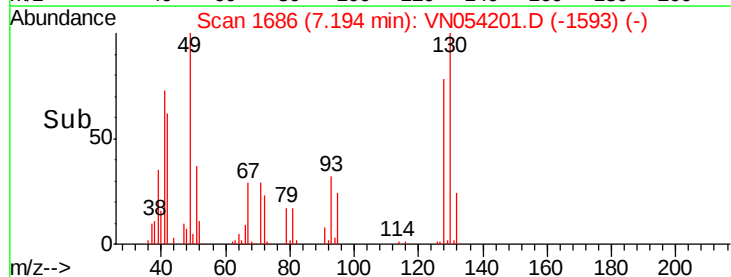
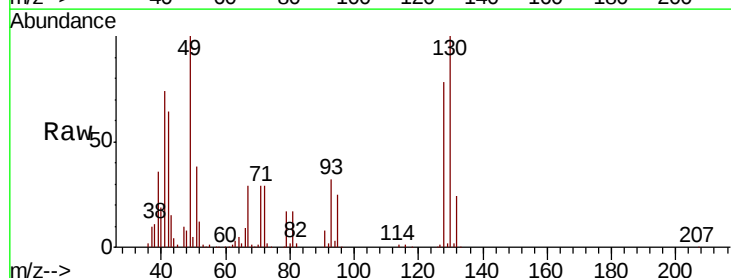
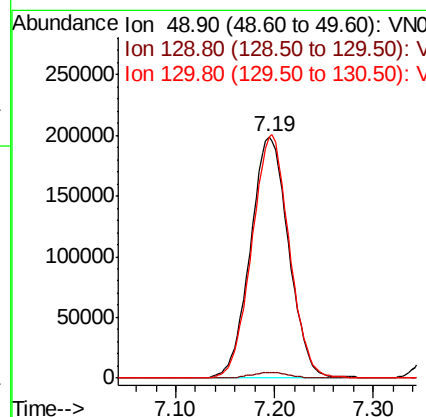
RT: 7.19 min Scan# 1686

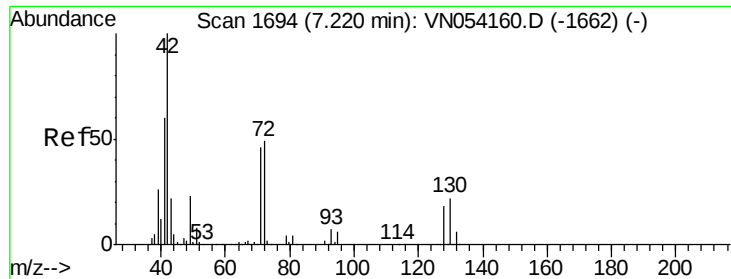
Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Tgt Ion:	49	Resp:	532013
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	98.8	76.7	115.1





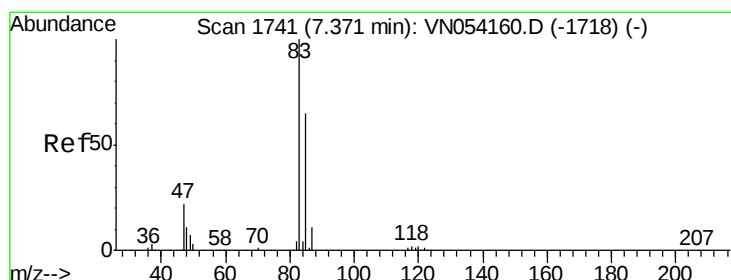
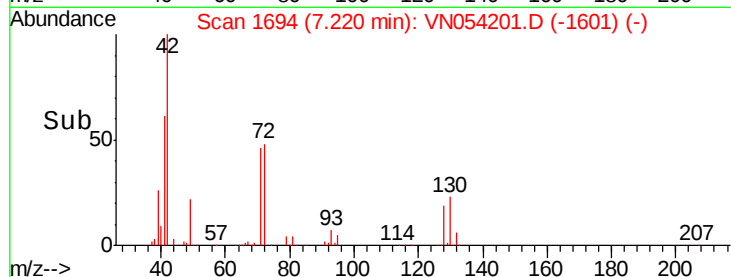
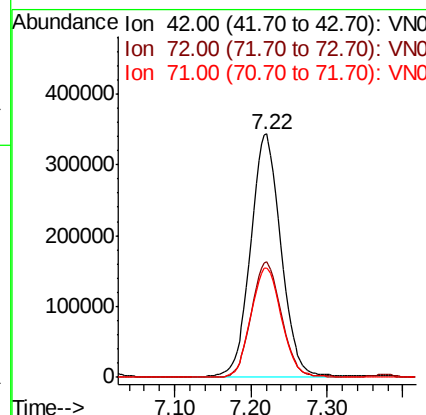
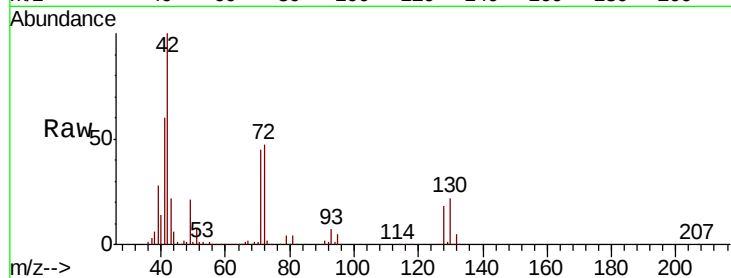
#29
Tetrahydrofuran
Concen: 278.306 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	45.6	36.2	54.2

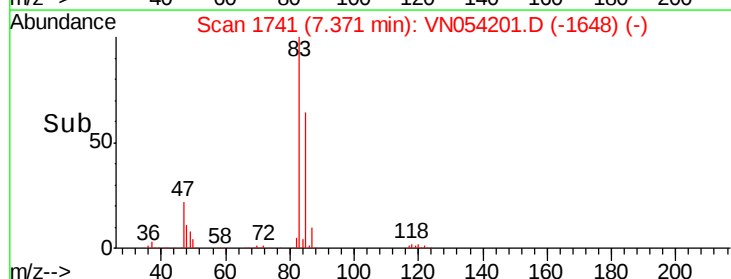
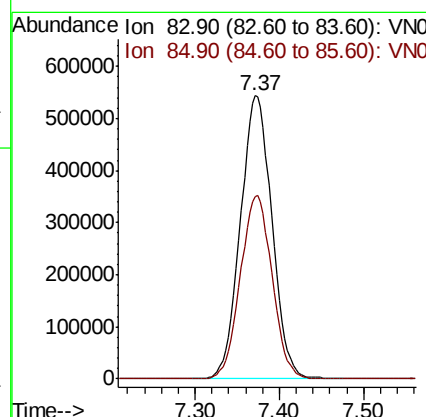
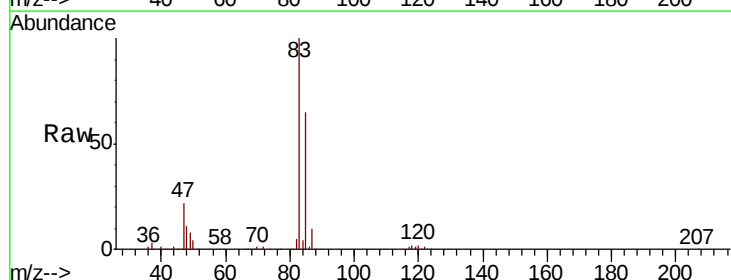
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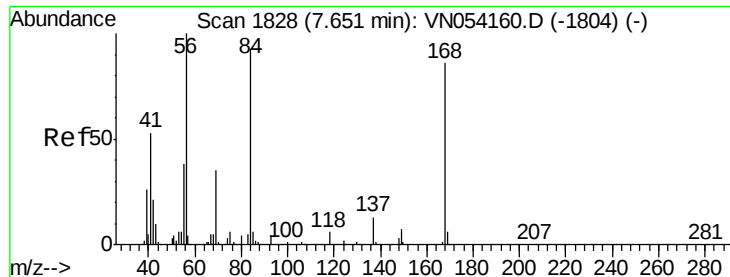
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#30
Chloroform
Concen: 53.433 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





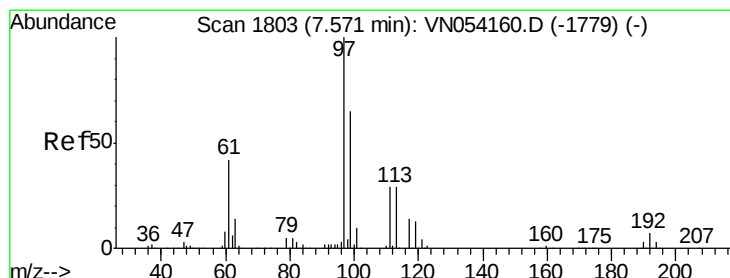
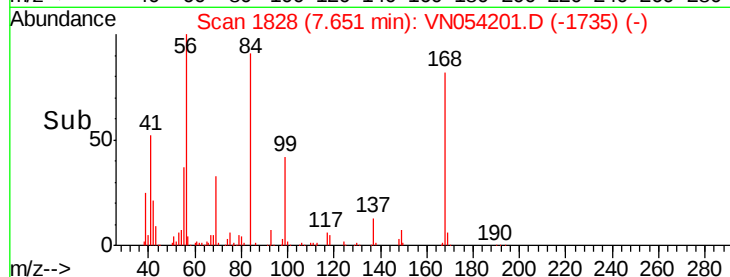
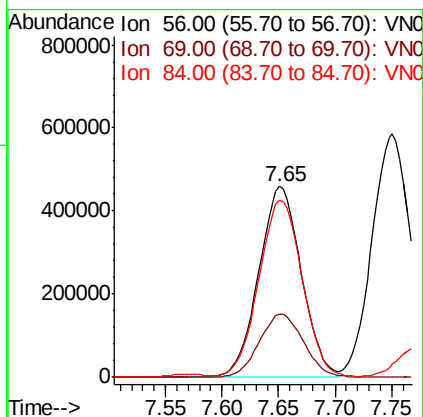
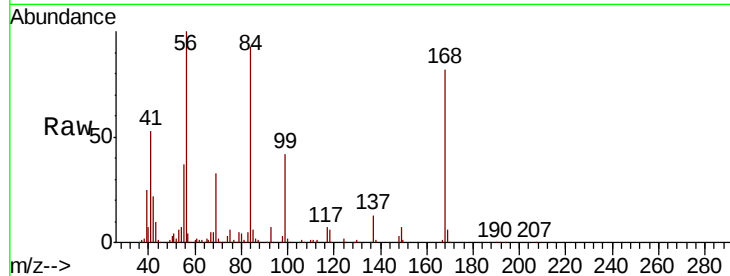
#31
Cyclohexane
Concen: 50.375 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 1197186
Ion Ratio Lower Upper
56 100
69 33.0 27.8 41.6
84 91.5 74.6 111.8

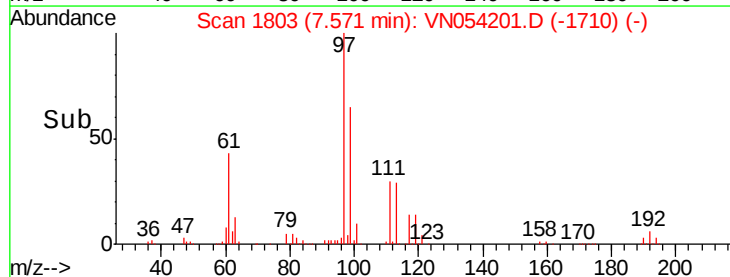
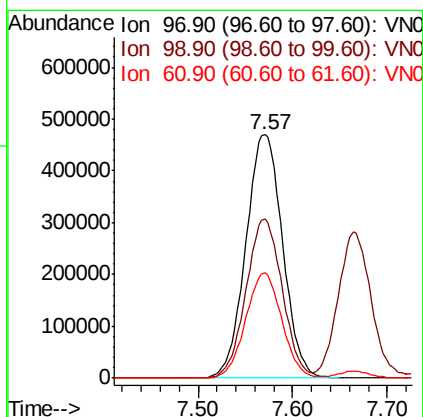
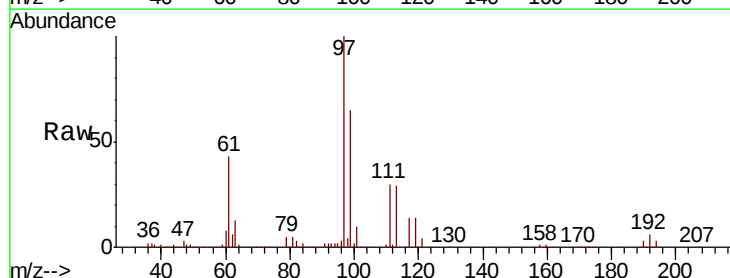
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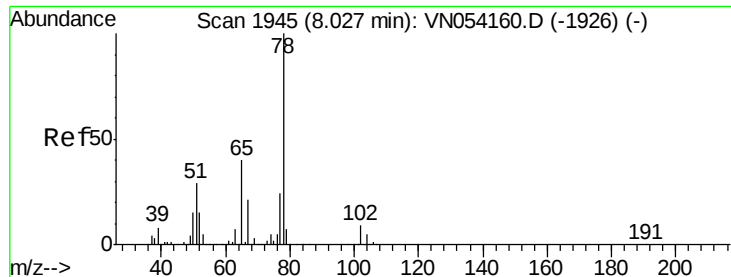
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#32
1,1,1-Trichloroethane
Concen: 52.890 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 97 Resp: 1267253
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 42.5 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 51.372 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 812045

Ion Ratio Lower Upper

65 100

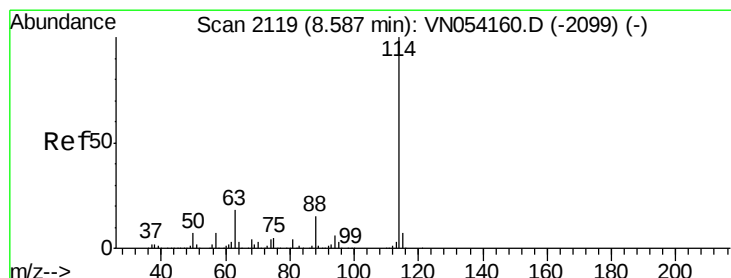
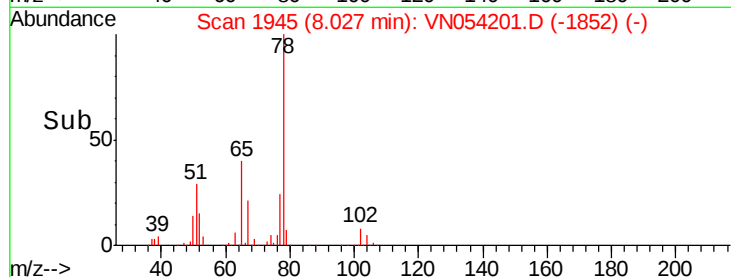
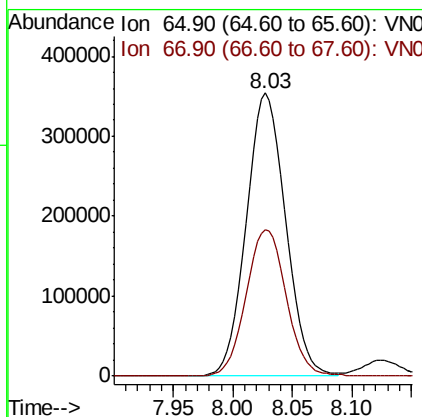
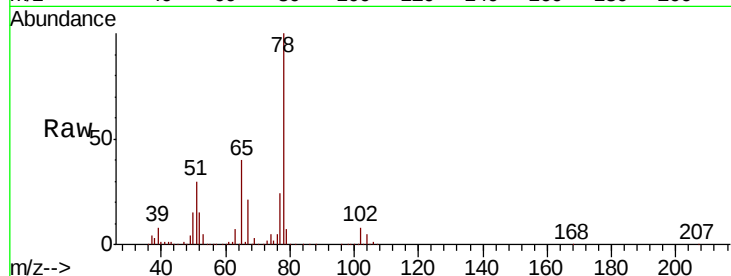
67 52.8 0.0 104.6

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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: VN054201.D

Acq: 13 Mar 2019 8:45

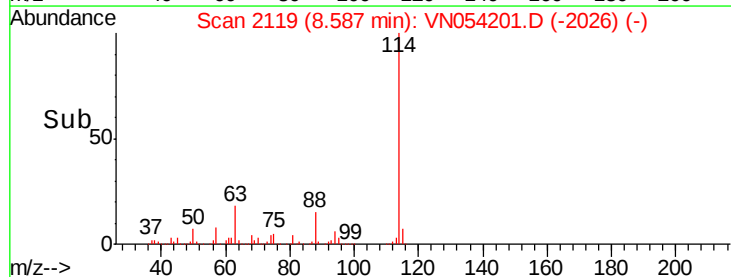
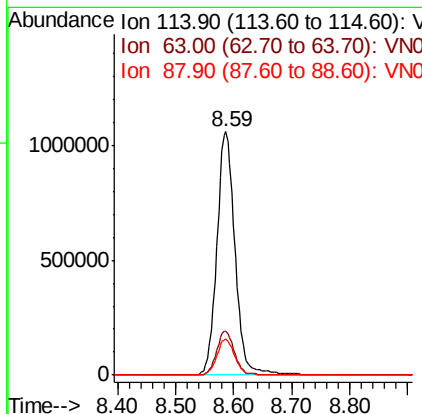
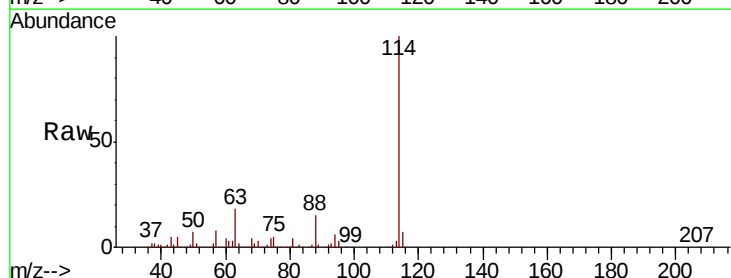
Tgt Ion: 114 Resp: 2301335

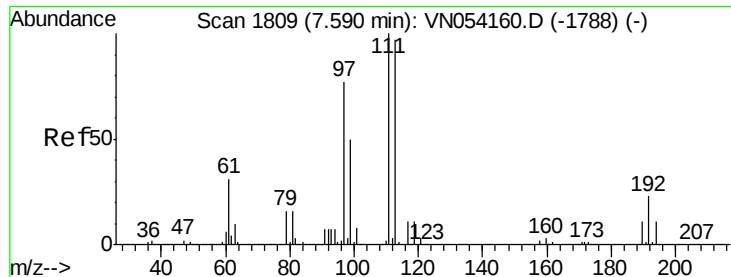
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

88 14.7 0.0 30.2





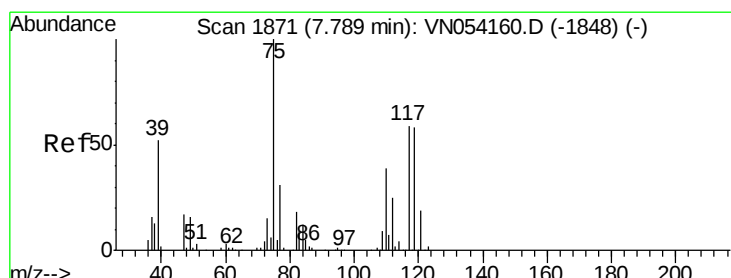
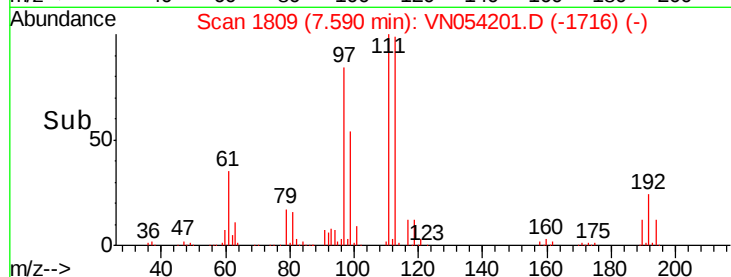
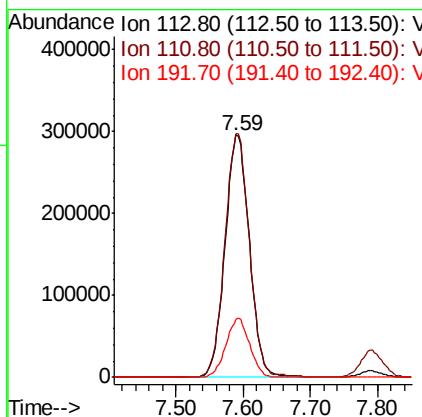
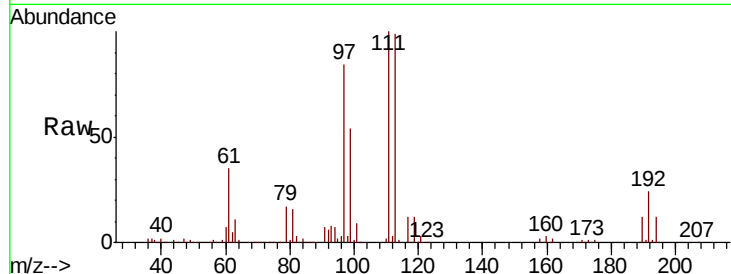
#35
Dibromofluoromethane
Concen: 50.231 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	745565		
111	101.1	82.2	123.4	
192	23.8	19.2	28.8	

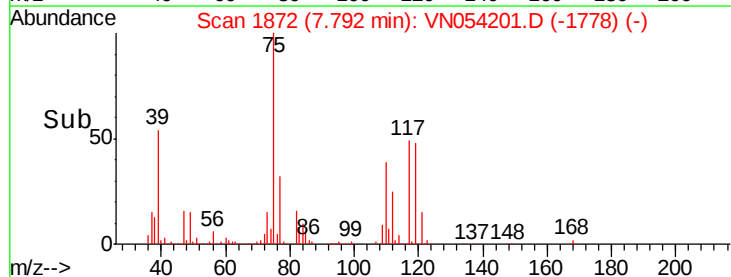
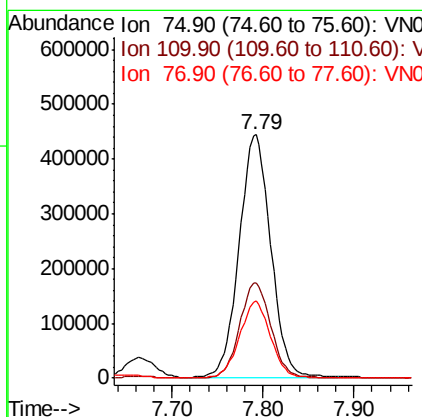
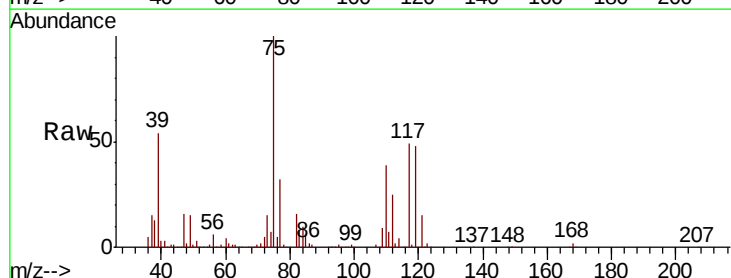
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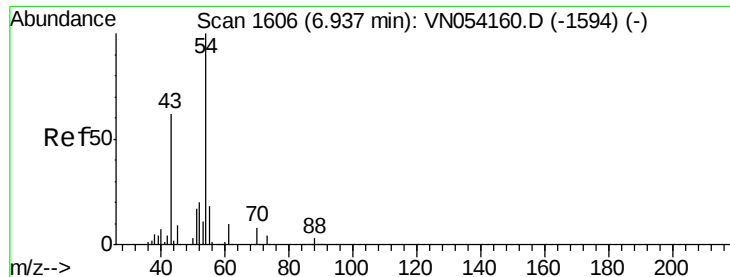
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#36
1,1-Dichloropropene
Concen: 50.439 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1068965		
110	38.9	19.1	57.5	
77	31.0	25.0	37.4	





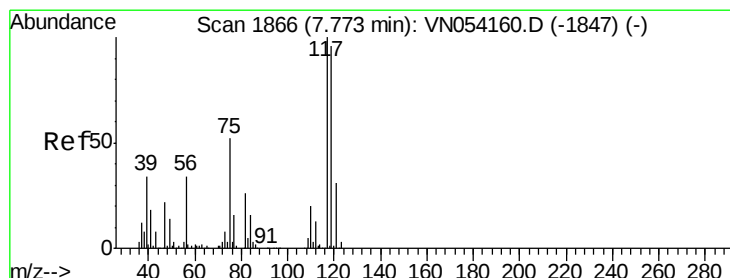
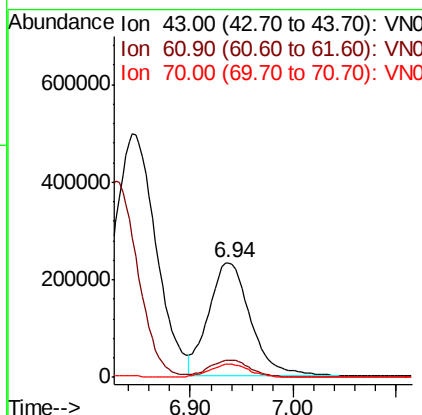
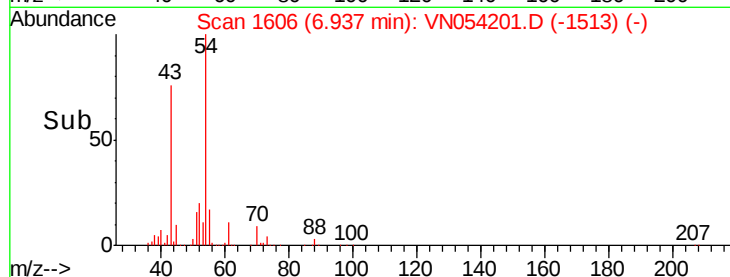
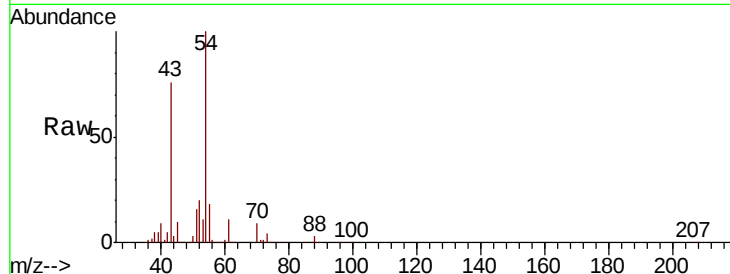
#37
Ethyl Acetate
 Concen: 53.692 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.9	8.4	12.6

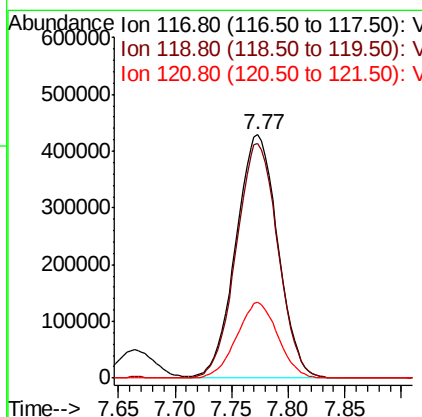
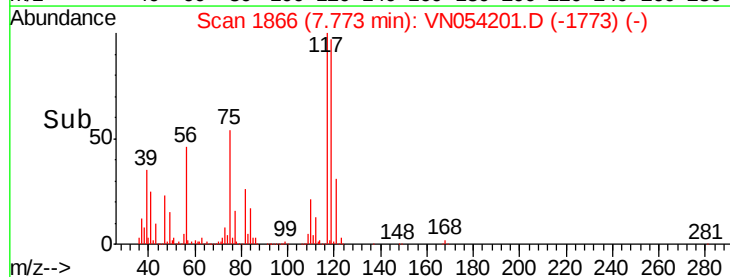
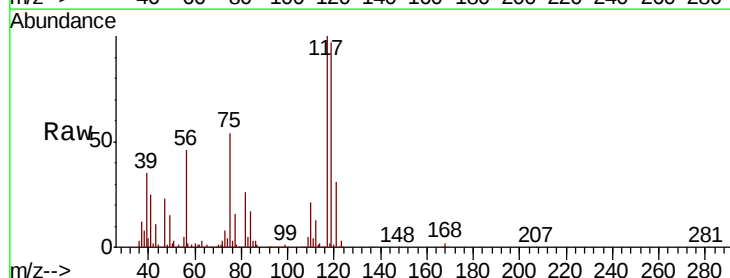
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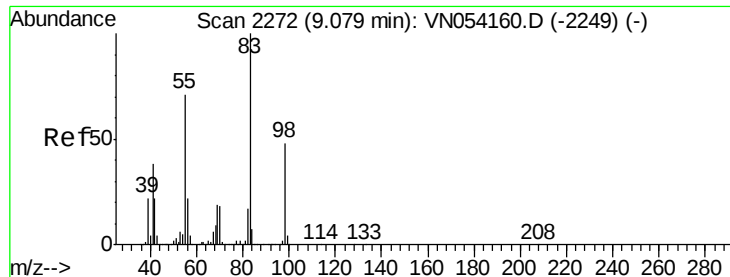
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#38
Carbon Tetrachloride
 Concen: 49.554 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	114.5
121	31.2	24.6	36.8





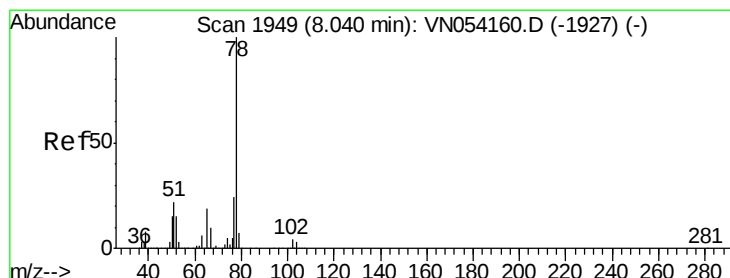
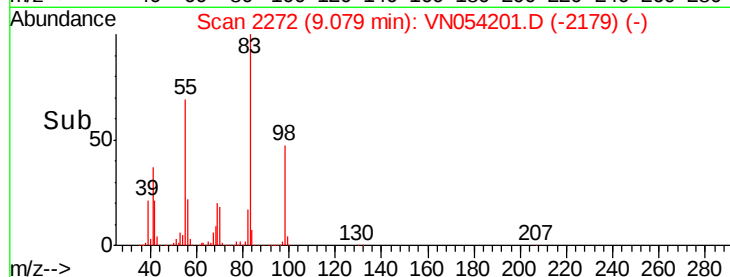
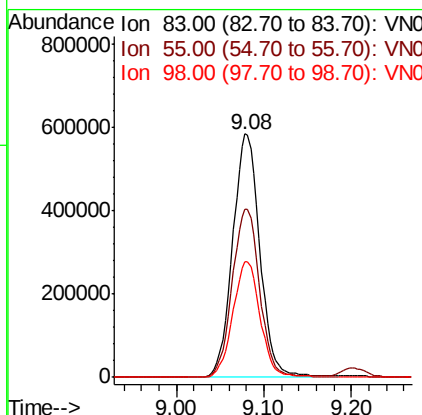
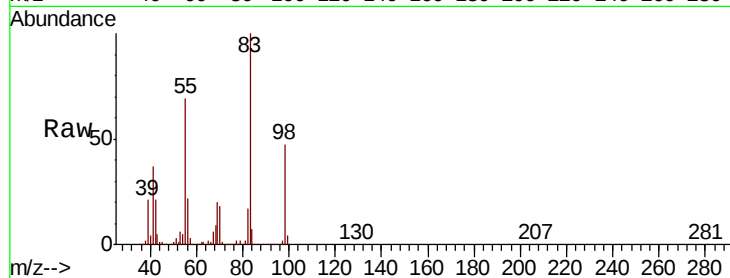
#39
Methylcyclohexane
Concen: 48.425 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 1262720
Ion Ratio Lower Upper
83 100
55 68.8 56.6 84.8
98 47.3 38.4 57.6

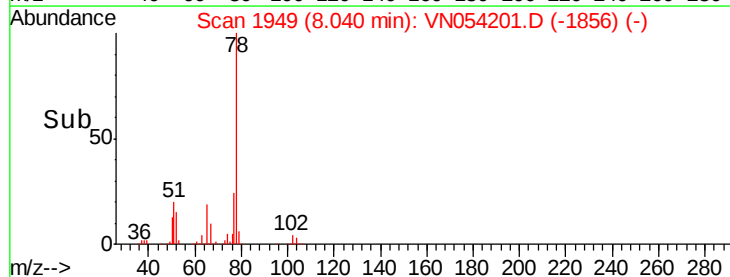
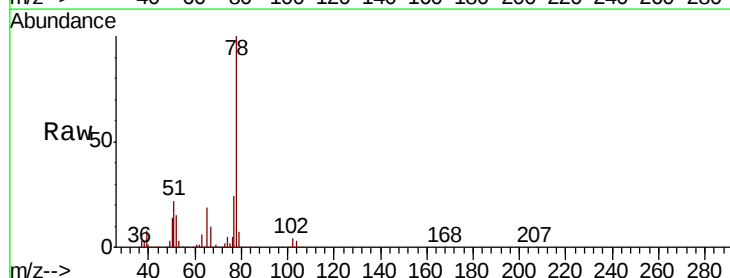
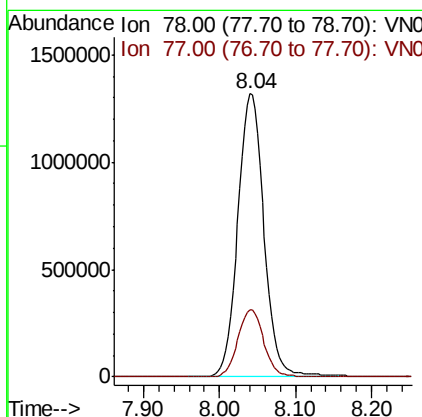
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#40
Benzene
Concen: 51.789 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 78 Resp: 3140856
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7





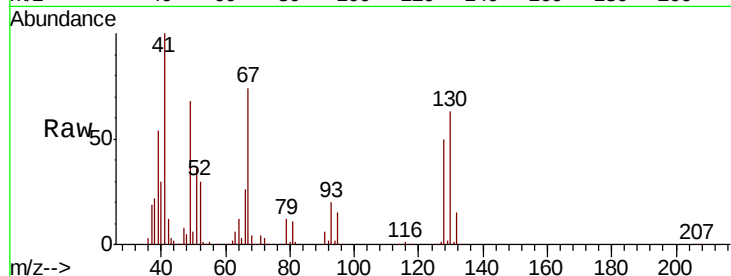
#41
Methacrylonitrile
Concen: 53.090 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.9	46.8	70.2
67	83.6	67.0	100.4
52	33.8	26.5	39.7

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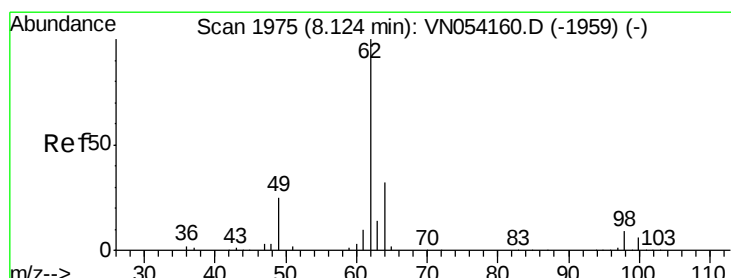
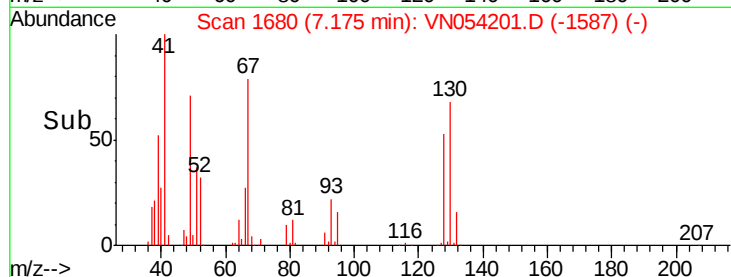
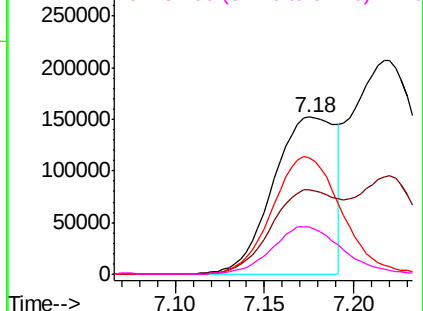
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

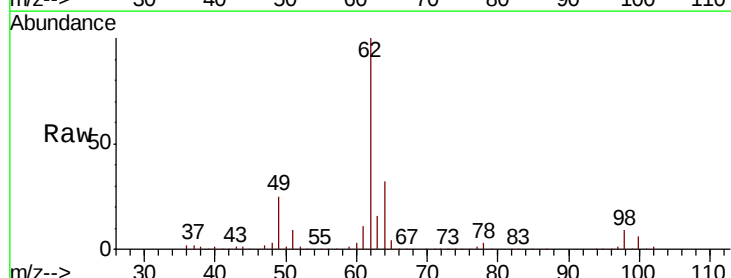
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 52.063 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

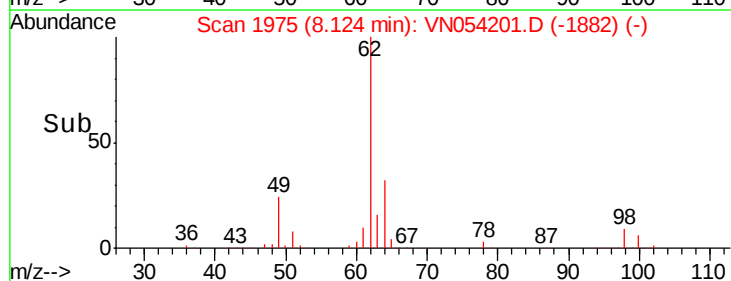
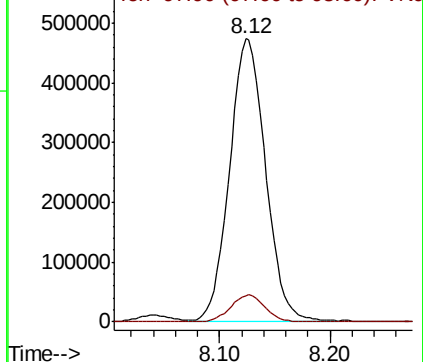
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

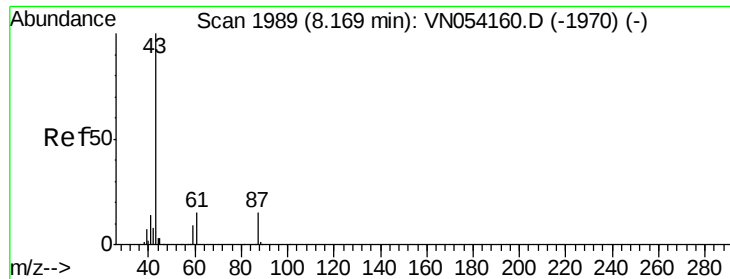


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 55.129 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1178379

Ion Ratio Lower Upper

43 100

61 21.0 15.8 23.8

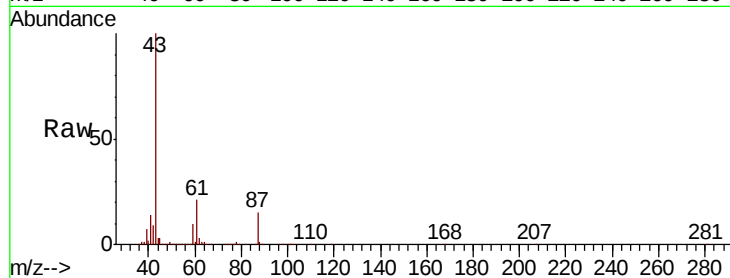
87 14.8 12.0 18.0

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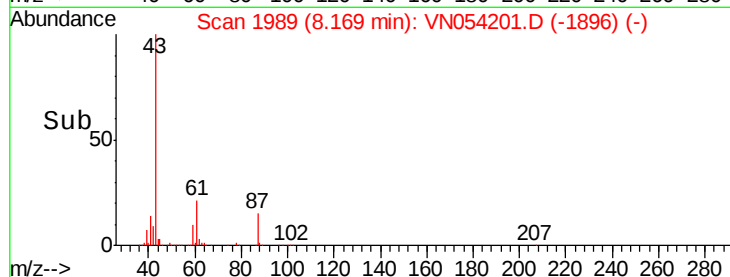


Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

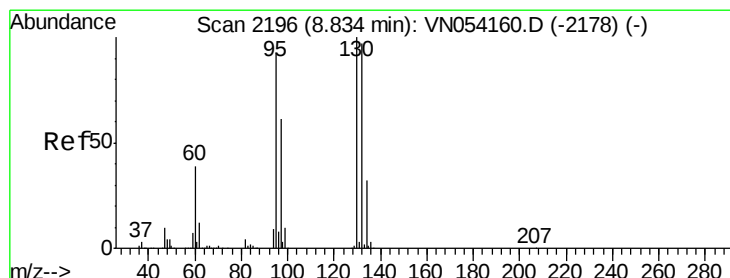
Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

Time-->



Abundance

Time-->



#44

Trichloroethene

Concen: 51.508 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054201.D

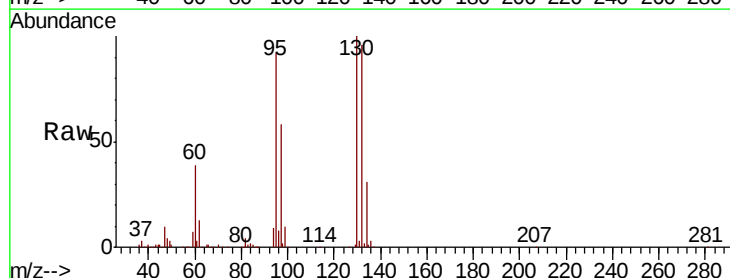
Acq: 13 Mar 2019 8:45

Tgt Ion: 130 Resp: 970407

Ion Ratio Lower Upper

130 100

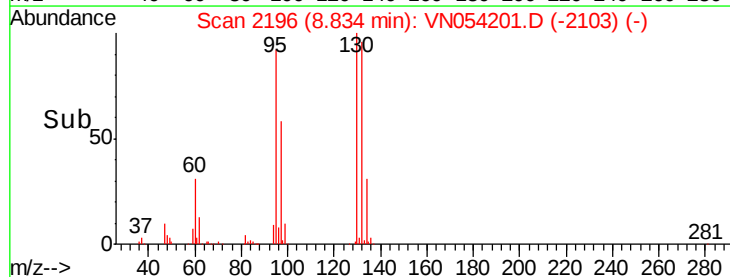
95 92.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

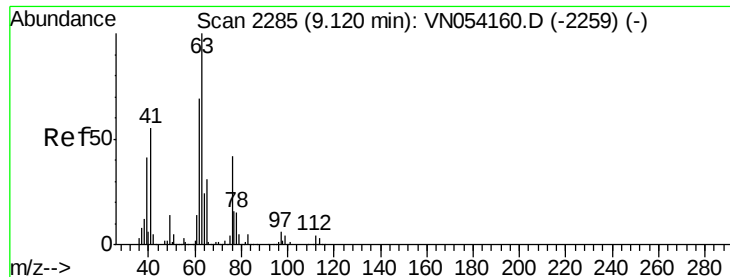
Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

Time-->



Abundance

Time-->



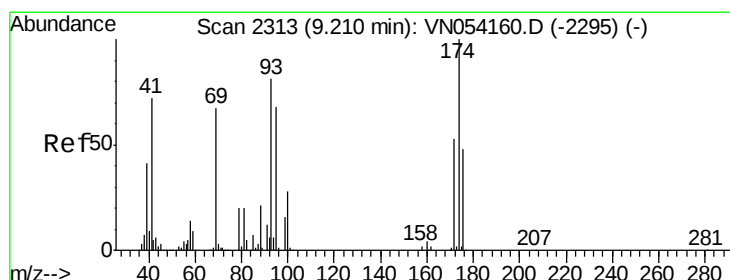
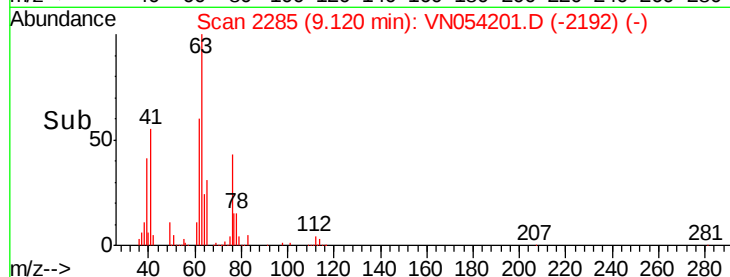
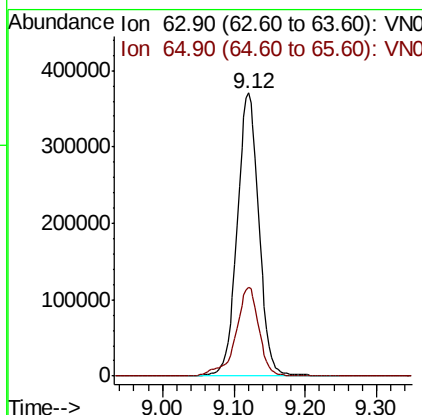
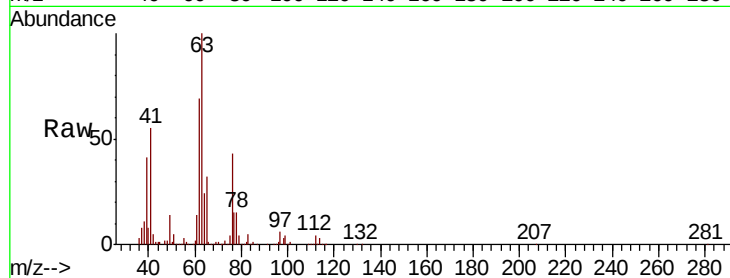
#45
 1,2-Dichloropropane
 Concen: 52.342 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 788234
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

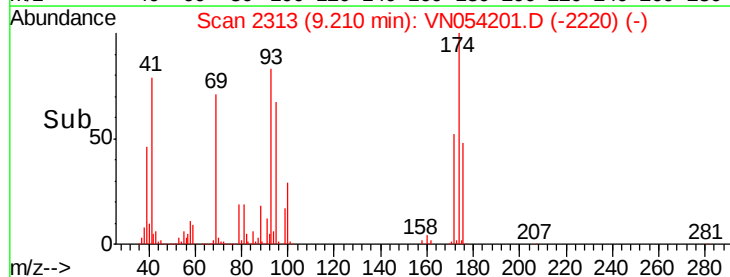
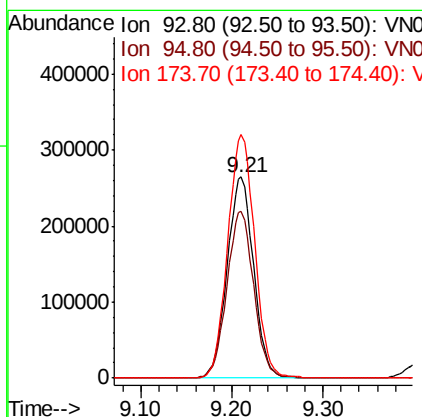
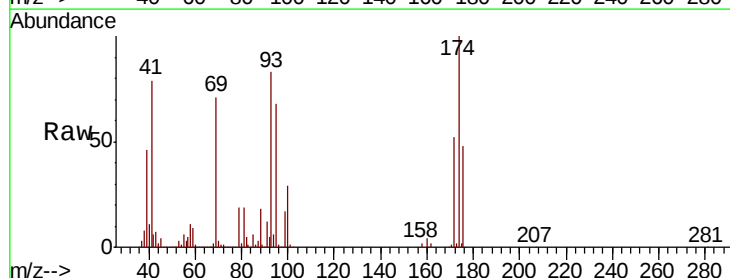
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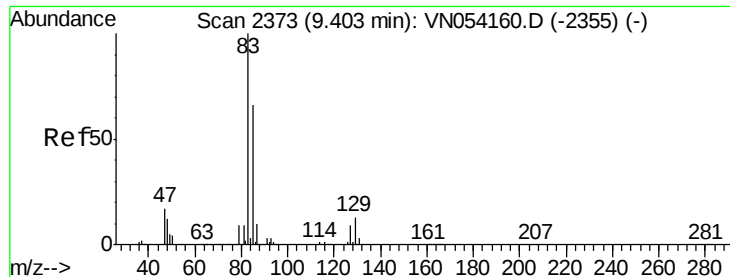
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 3/13/2019 11:40:51 AM



#46
 Dibromomethane
 Concen: 52.551 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion: 93 Resp: 534696
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 123.1 98.5 147.7





#47

Bromodichloromethane

Concen: 52.749 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 1075978

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2

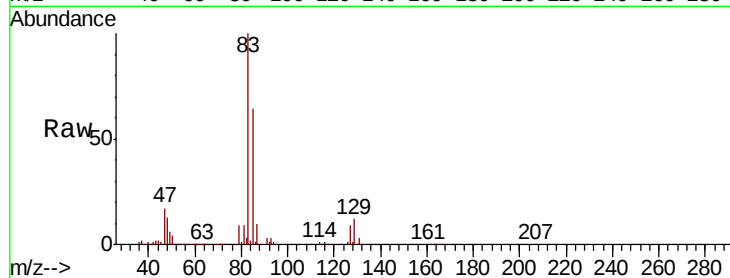
127 9.1 7.4 11.2

Manual Integrations

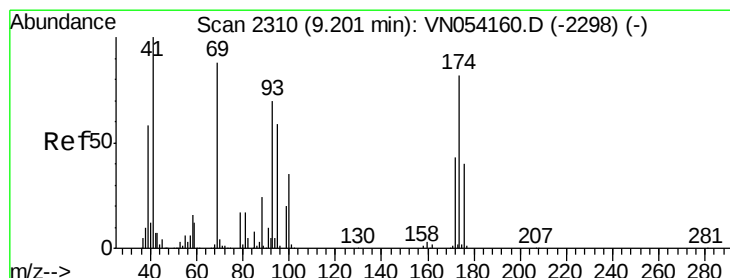
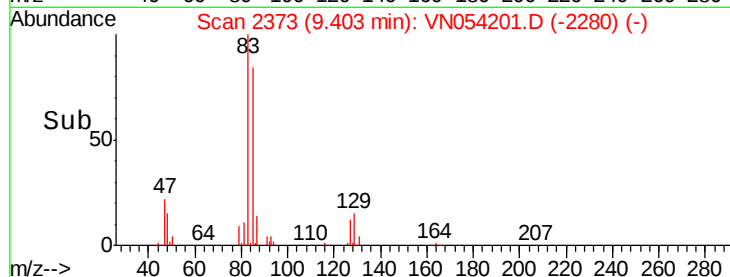
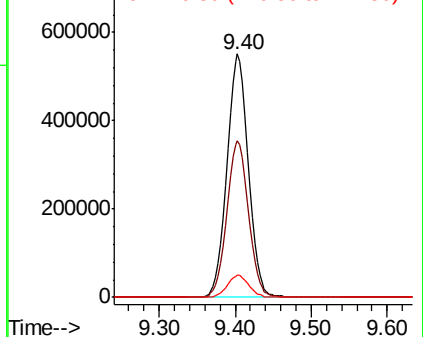
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 56.132 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

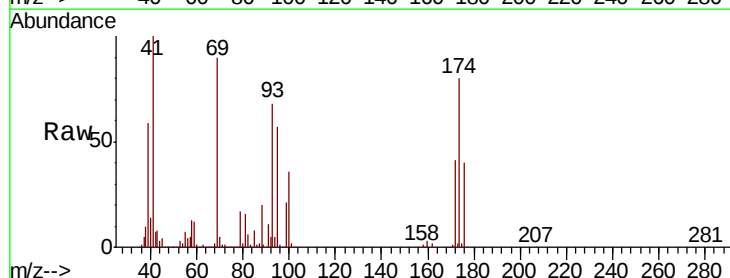
Tgt Ion: 41 Resp: 608887

Ion Ratio Lower Upper

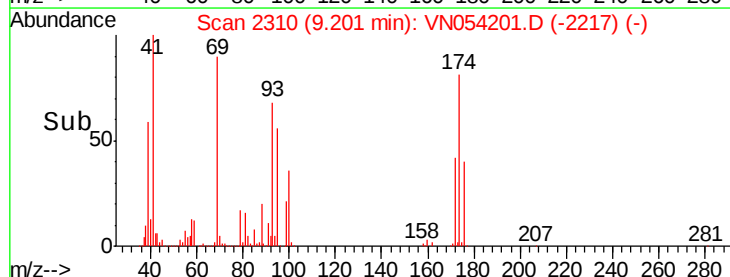
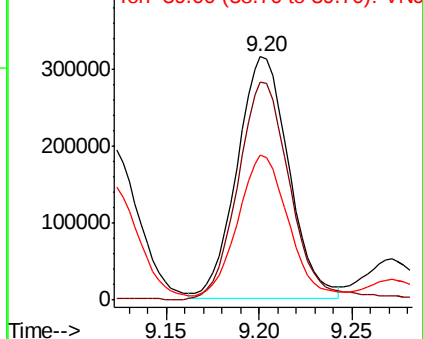
41 100

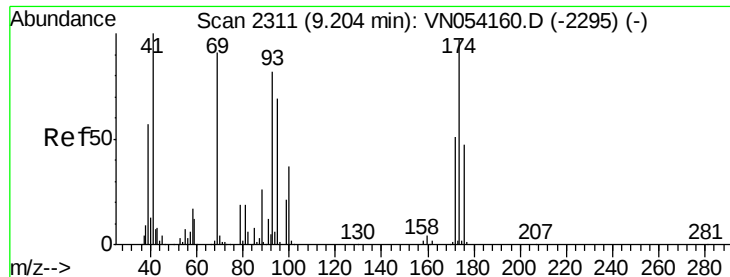
69 92.8 72.6 108.8

39 58.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





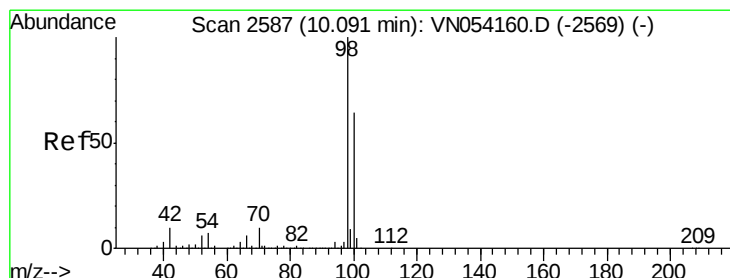
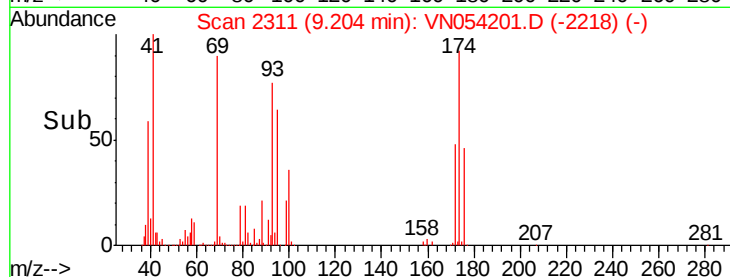
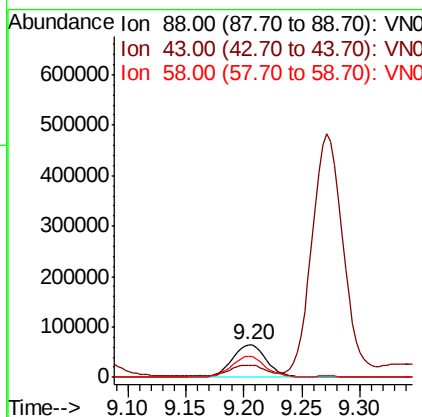
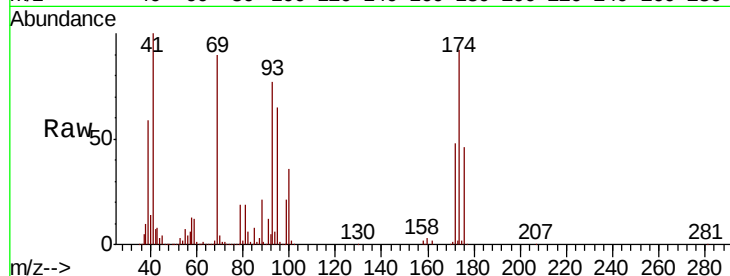
#49
1,4-Dioxane
Concen: 874.095 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.4	24.1	36.1
58	62.8	50.8	76.2

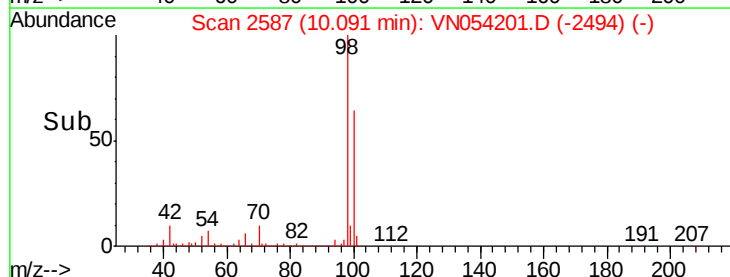
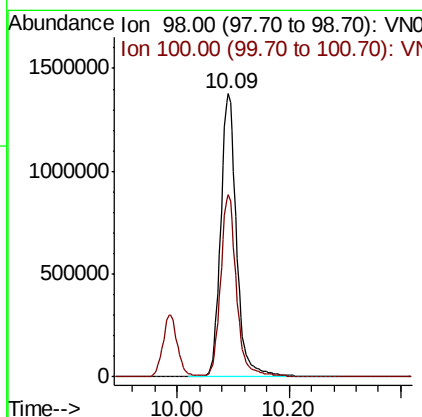
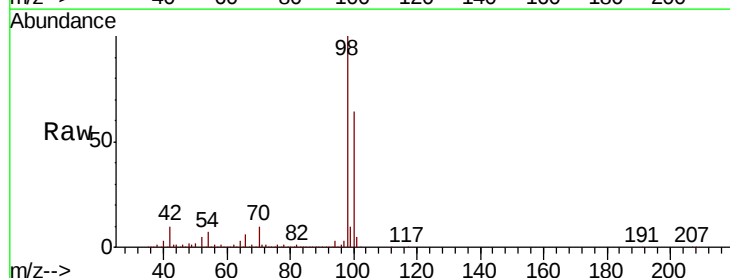
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#50
Toluene-d8
Concen: 49.760 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





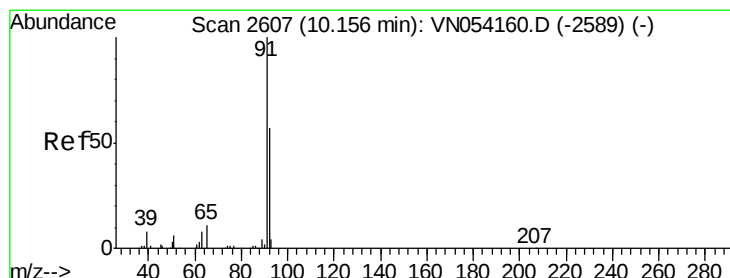
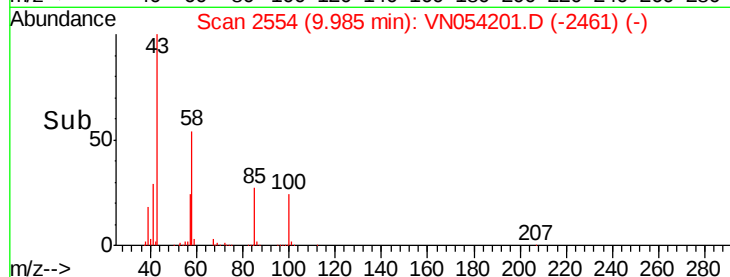
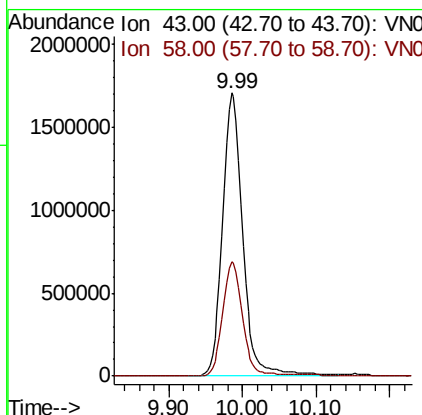
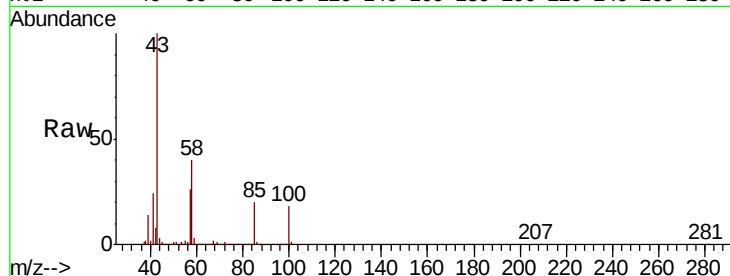
#51
4-Methyl-2-Pentanone
Concen: 287.544 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 3252599
Ion Ratio Lower Upper
43 100
58 39.9 31.8 47.6

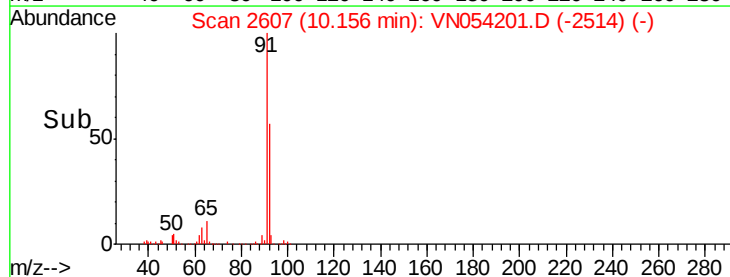
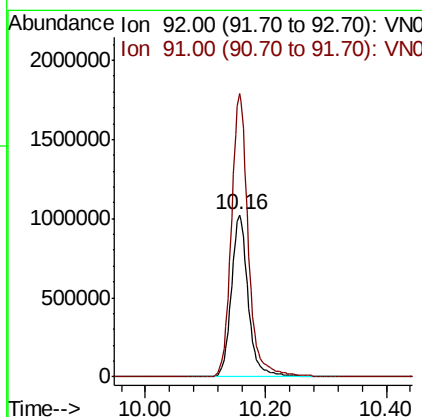
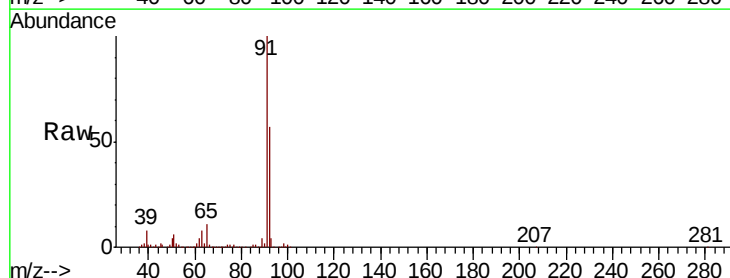
Manual Integrations
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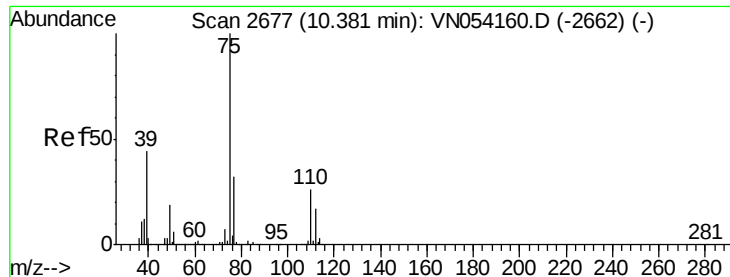
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#52
Toluene
Concen: 52.208 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 92 Resp: 2007596
Ion Ratio Lower Upper
92 100
91 175.0 140.7 211.1





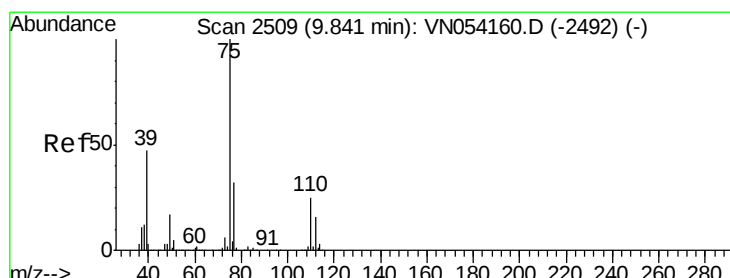
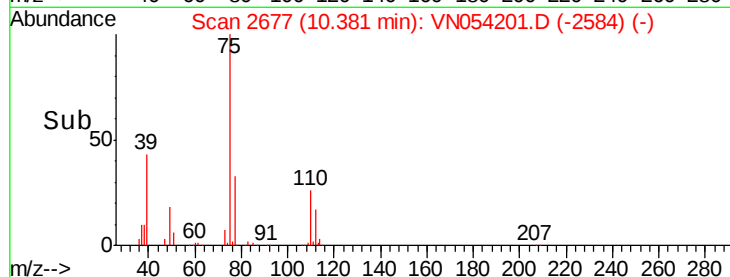
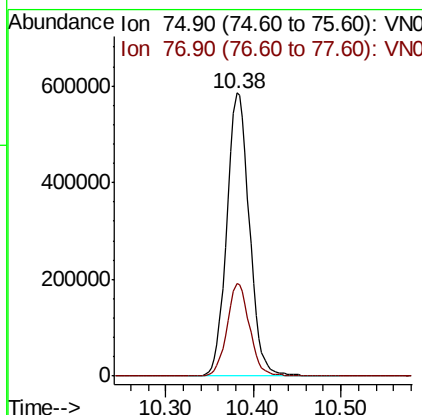
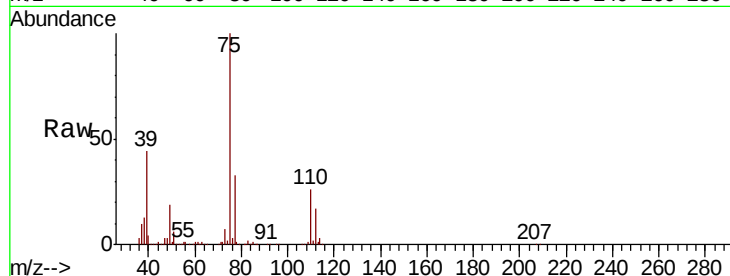
#53
t-1,3-Dichloropropene
Concen: 45.264 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 1051462
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8

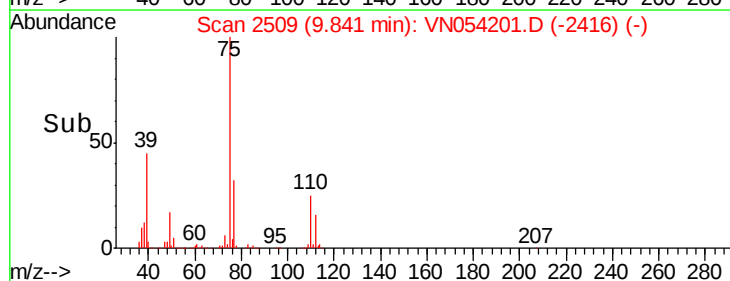
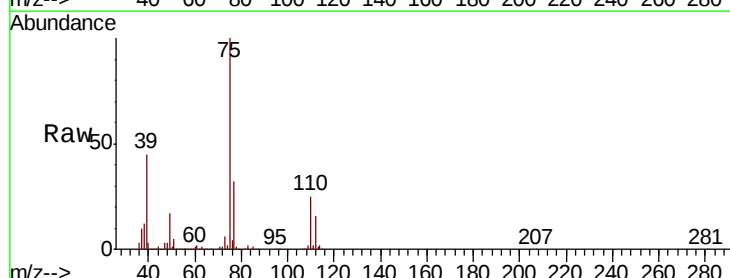
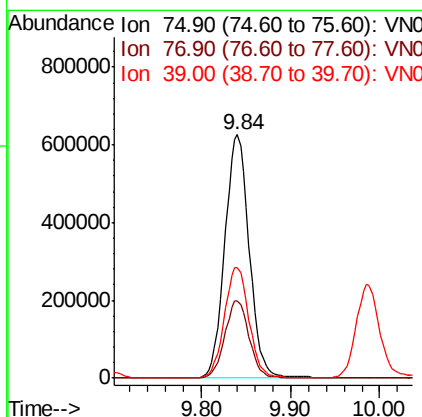
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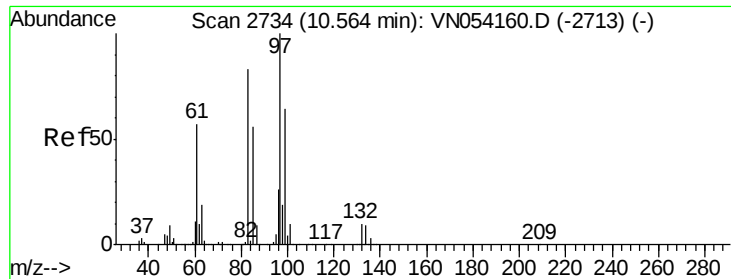
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#54
cis-1,3-Dichloropropene
Concen: 49.916 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 75 Resp: 1186490
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 45.3 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 53.347 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

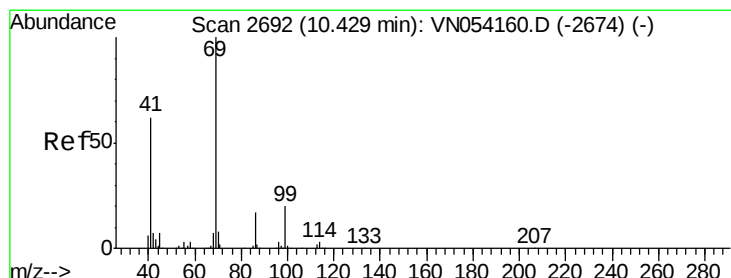
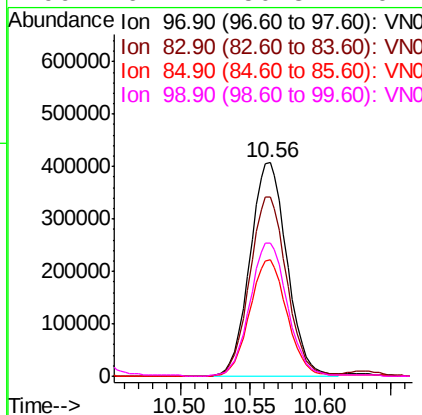
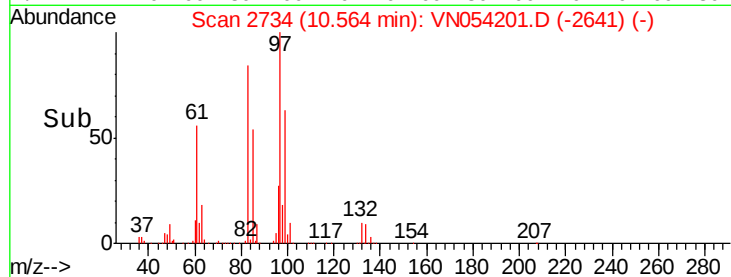
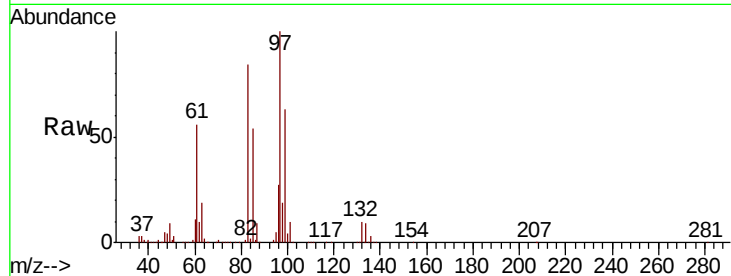
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	97	Resp:	749053
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.6	100.0
85	54.4	44.4	66.6
99	62.4	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.765 ug/l

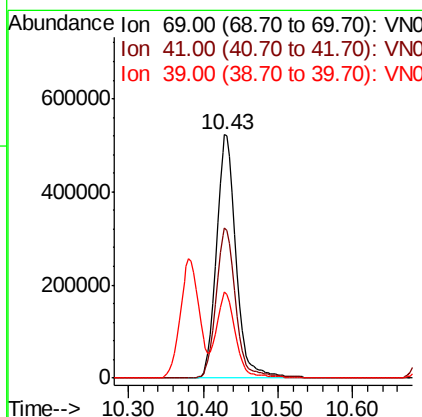
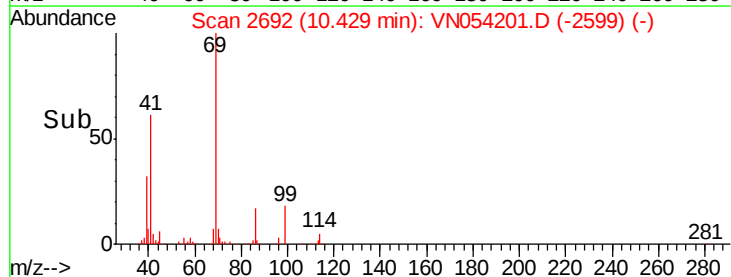
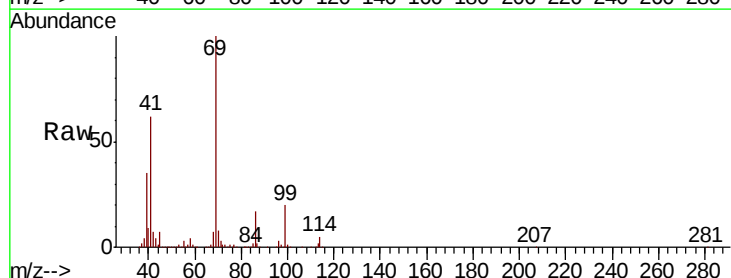
RT: 10.43 min Scan# 2692

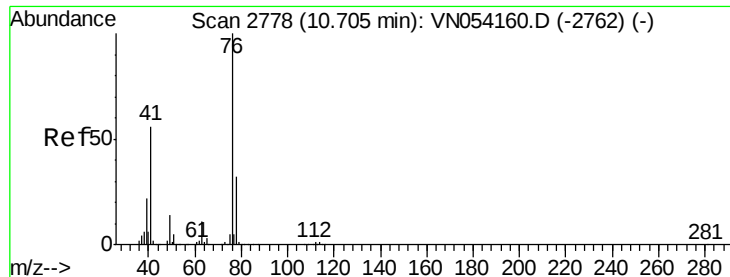
Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Tgt Ion:	69	Resp:	950369
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.4	74.2
39	34.5	28.3	42.5





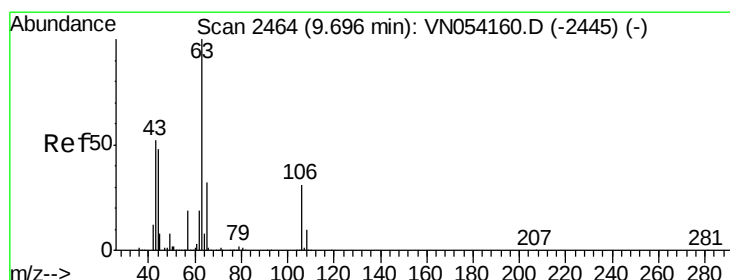
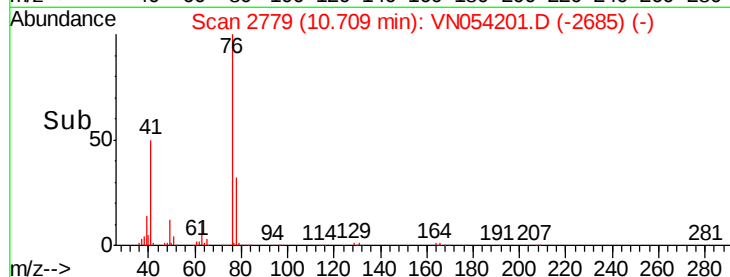
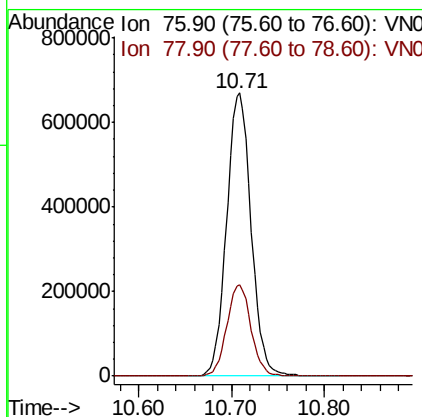
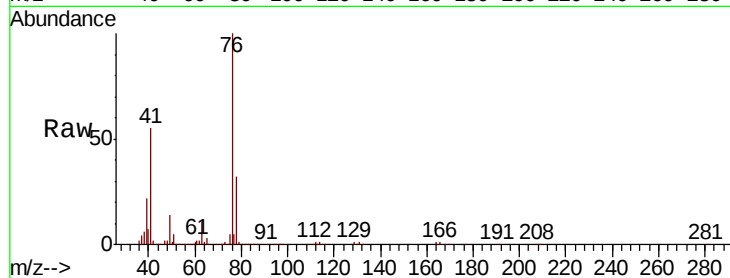
#57
 1,3-Dichloropropane
 Concen: 53.367 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 1225262
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

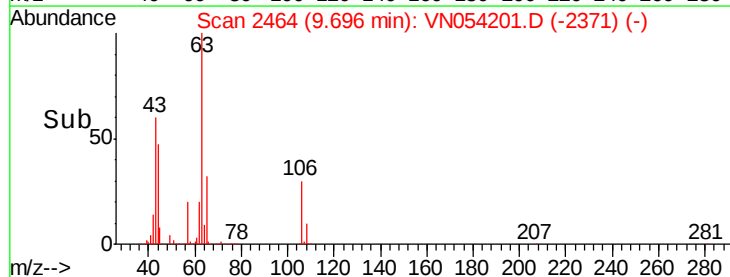
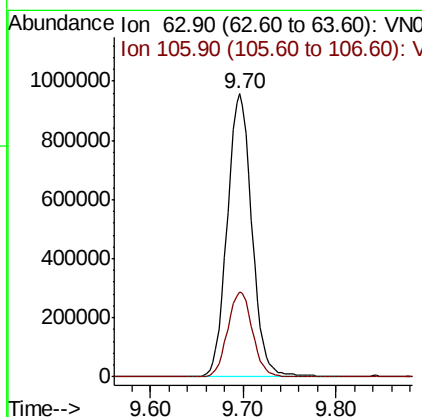
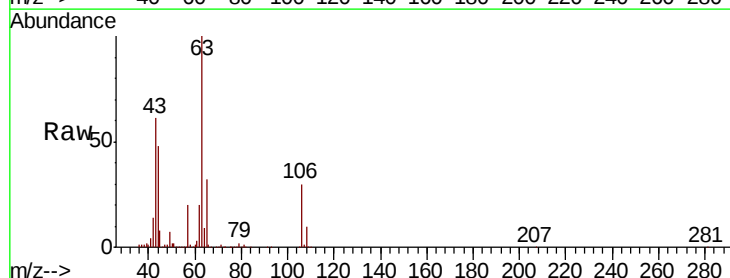
Manual Integrations
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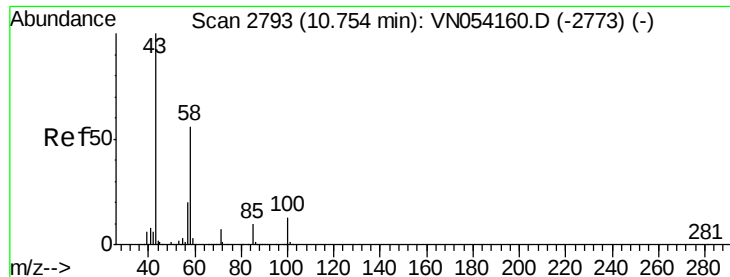
MMDadoda
 3/13/2019 11:40:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.642 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion: 63 Resp: 1766355
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.4 36.6





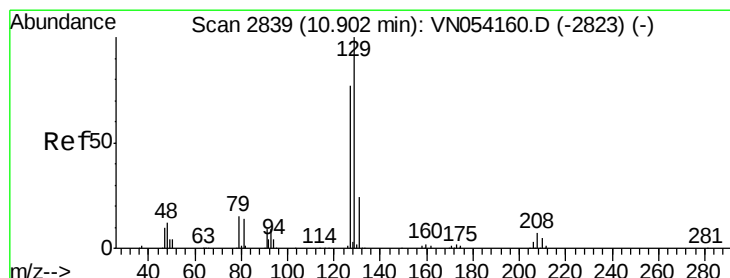
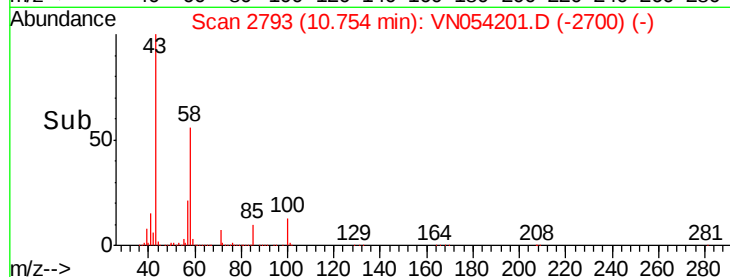
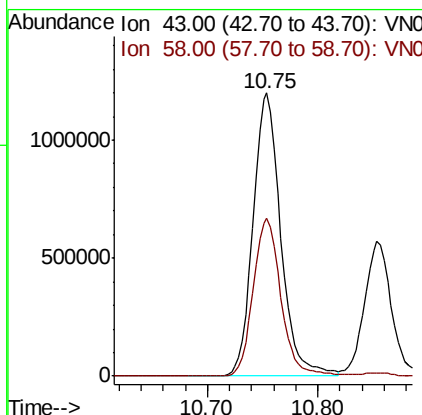
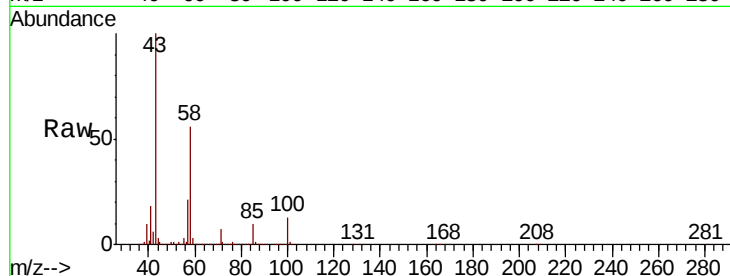
#59
2-Hexanone
Concen: 277.215 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2086523
Ion Ratio Lower Upper
43 100
58 56.2 28.0 83.9

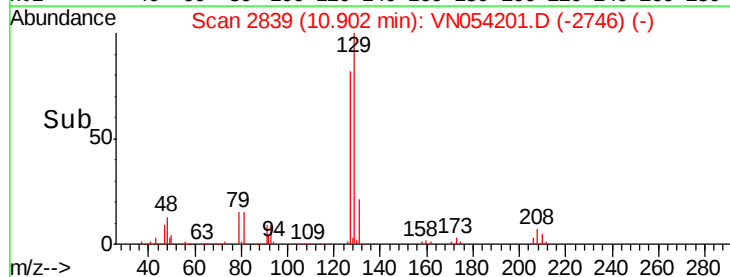
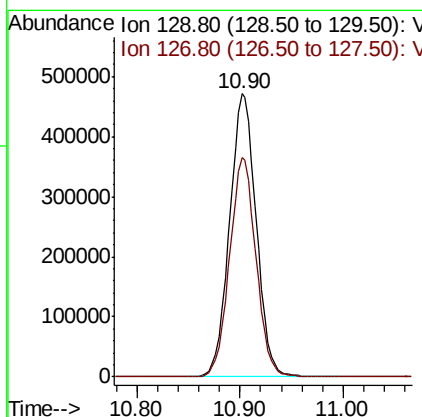
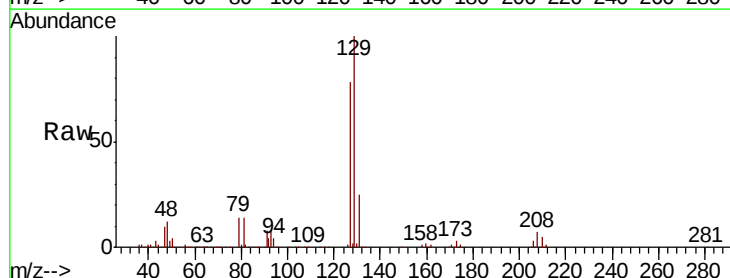
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#60
Dibromochloromethane
Concen: 53.679 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 129 Resp: 848351
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





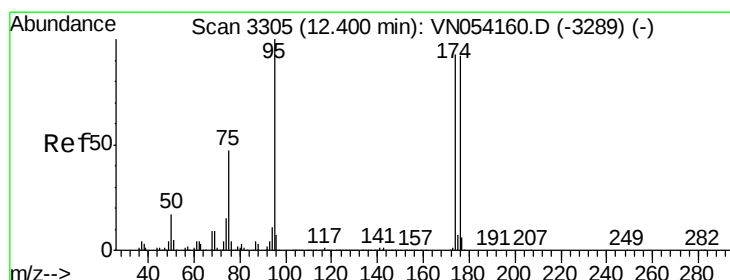
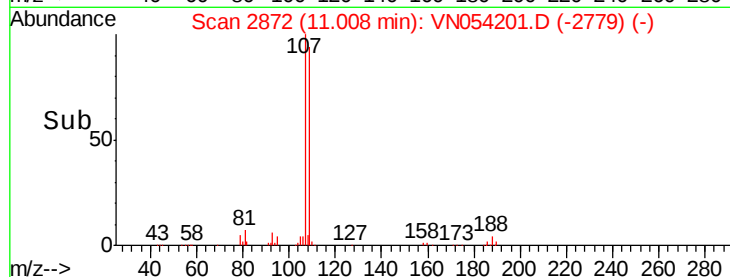
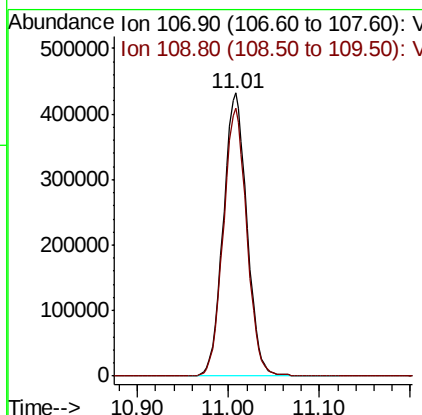
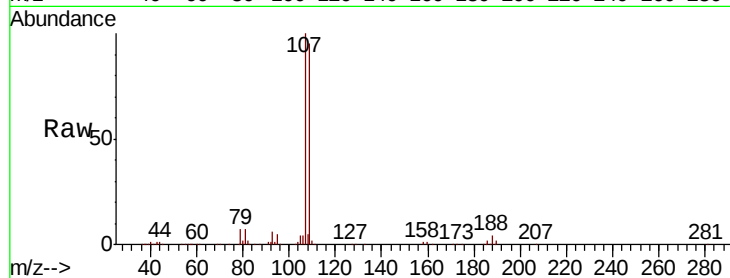
#61
1,2-Dibromoethane
Concen: 54.720 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

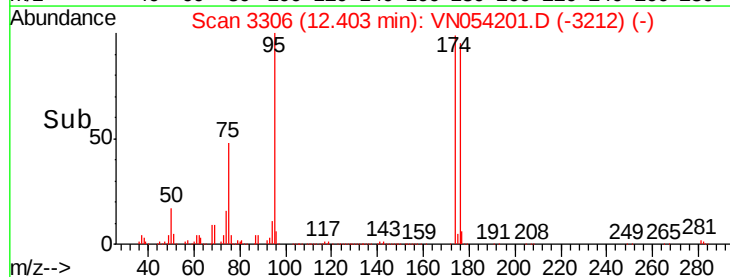
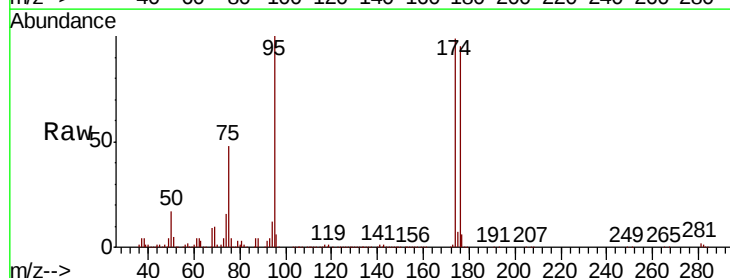
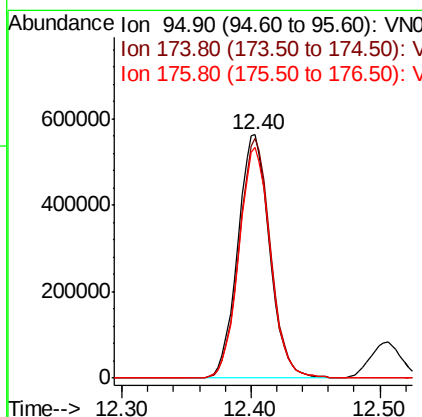
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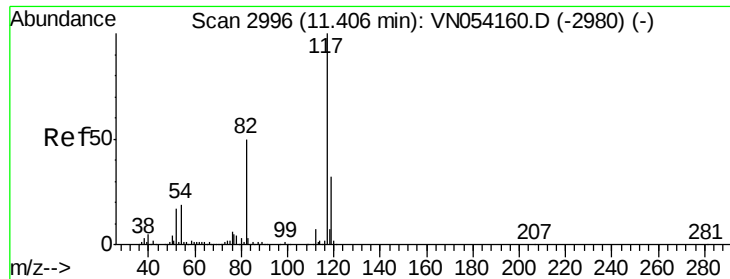
MMDadoda
3/13/2019 11:40:51 AM



#62
4-Bromofluorobenzene
Concen: 50.291 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	191.0
176	94.3	0.0	187.4





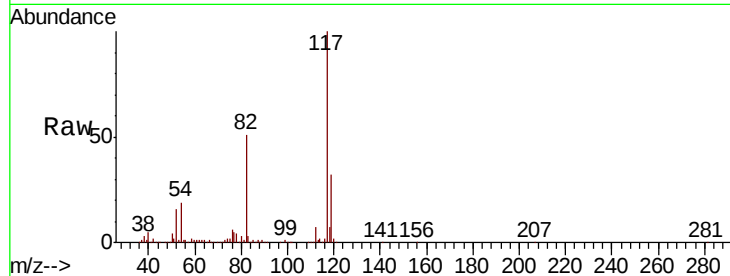
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

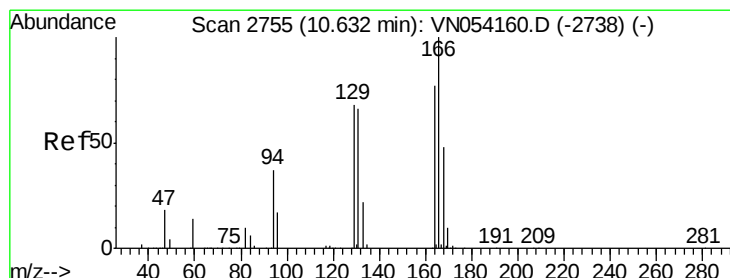
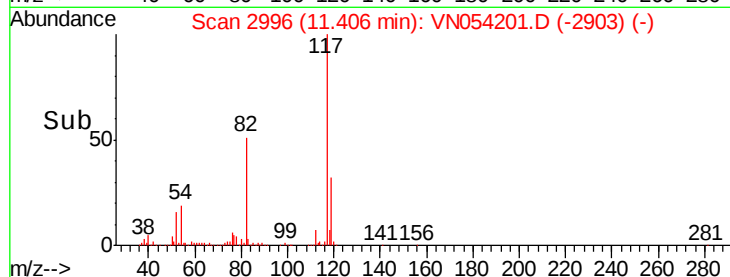
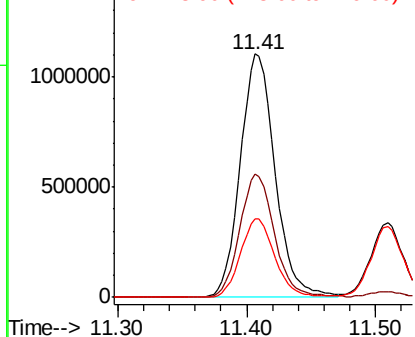
Tgt Ion:117 Resp: 2075184
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 32.5 25.8 38.6

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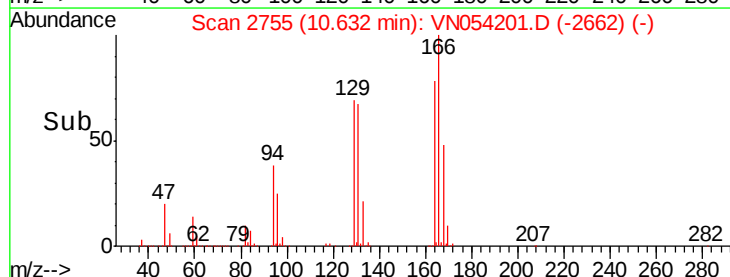
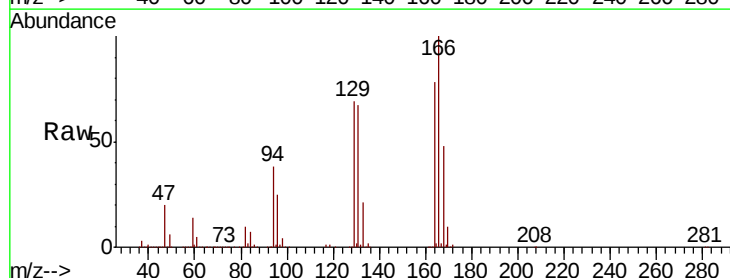
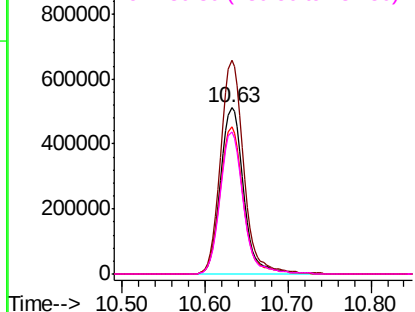
Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

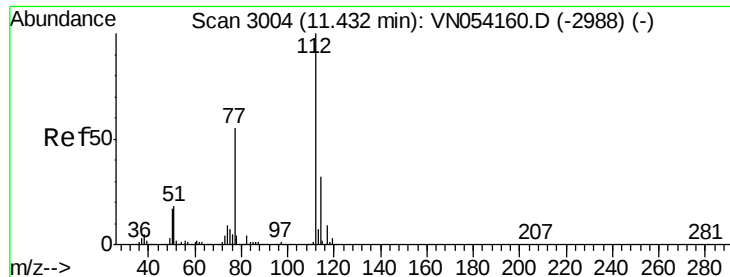


#64
Tetrachloroethene
Concen: 49.404 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion:164 Resp: 991239
Ion Ratio Lower Upper
164 100
166 128.5 103.9 155.9
129 88.4 71.1 106.7
131 85.8 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
1000000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.623 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 2306669

Ion Ratio Lower Upper

112 100

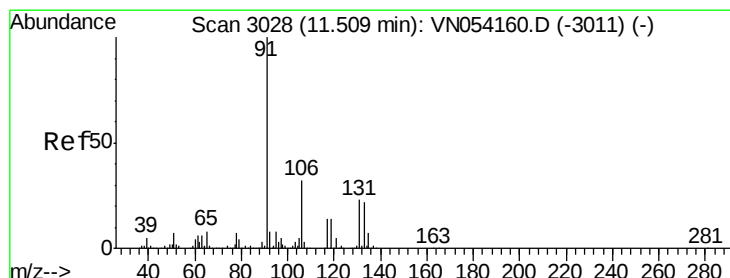
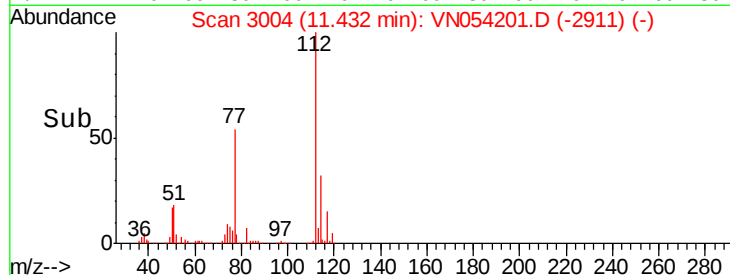
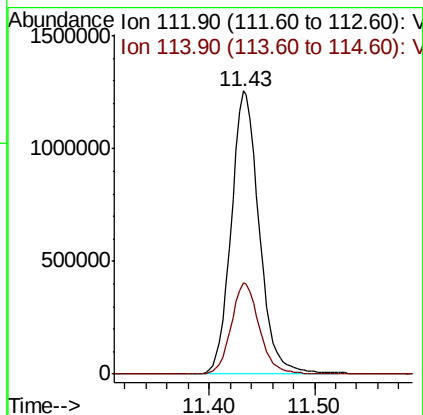
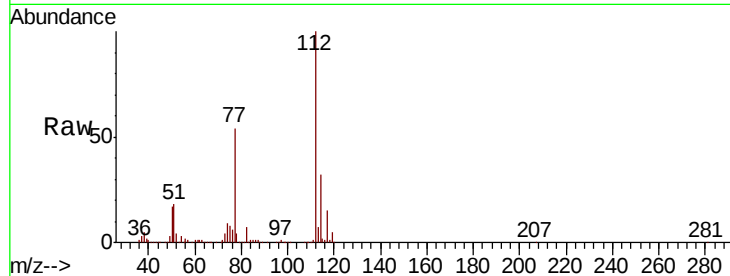
114 32.1 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.582 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

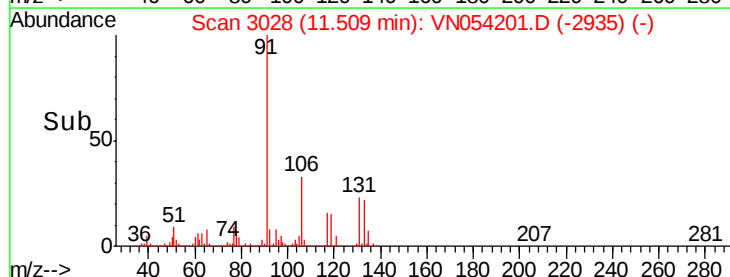
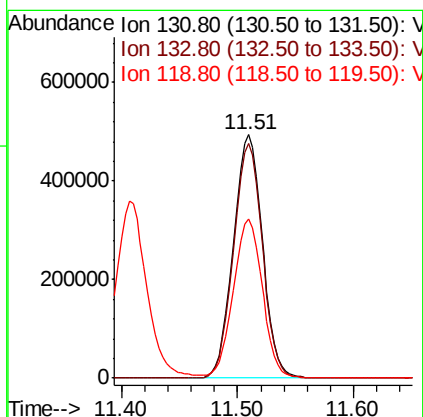
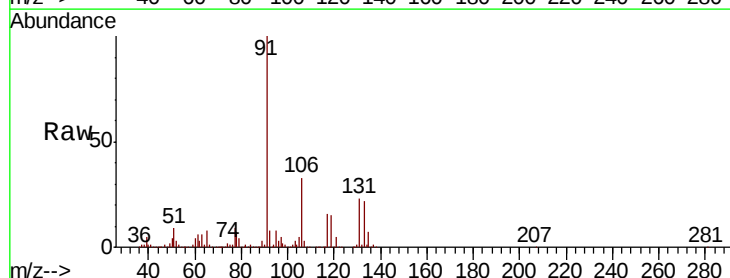
Tgt Ion:131 Resp: 853816

Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.9

119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 50.062 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 3781289

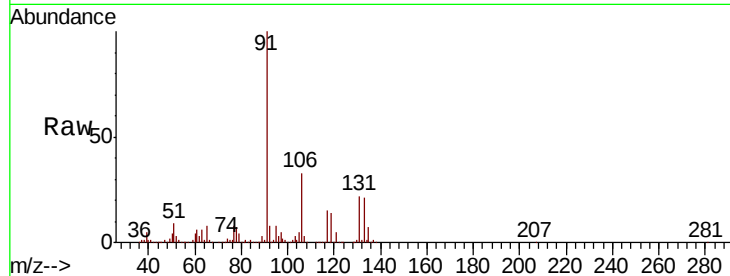
Ion Ratio Lower Upper

91 100

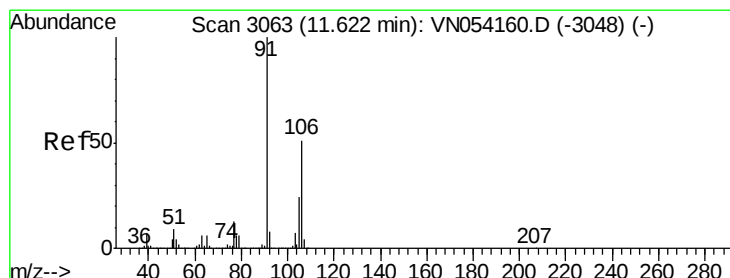
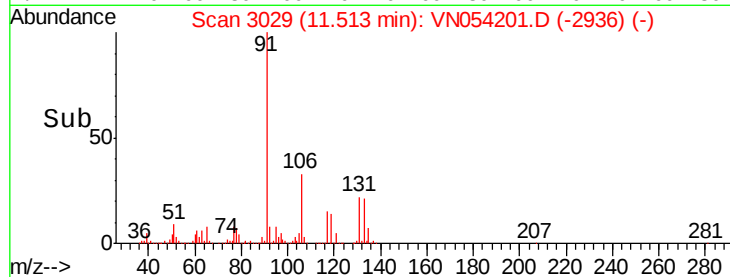
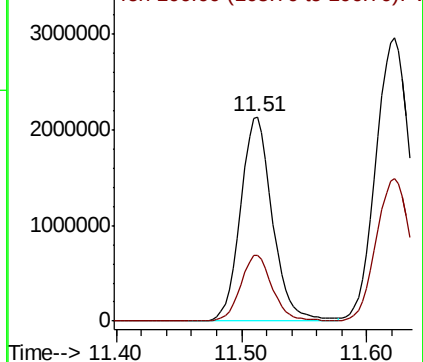
106 32.5 25.5 38.3

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Abundance Ion 91.00 (90.70 to 91.70): VN054201.D (-2936) (-)



#68

m/p-Xylenes

Concen: 101.089 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054201.D

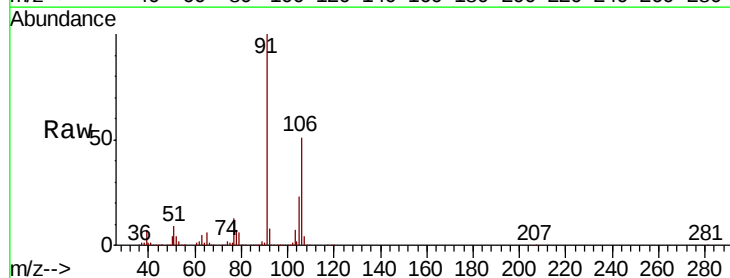
Acq: 13 Mar 2019 8:45

Tgt Ion: 106 Resp: 2984307

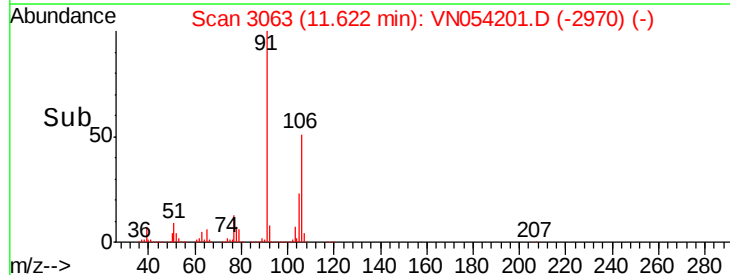
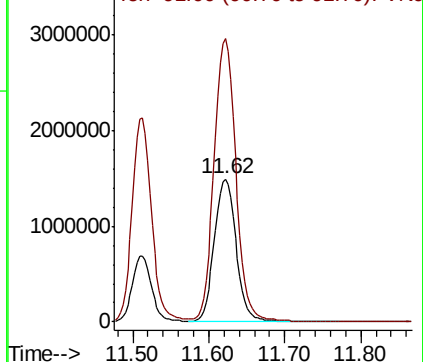
Ion Ratio Lower Upper

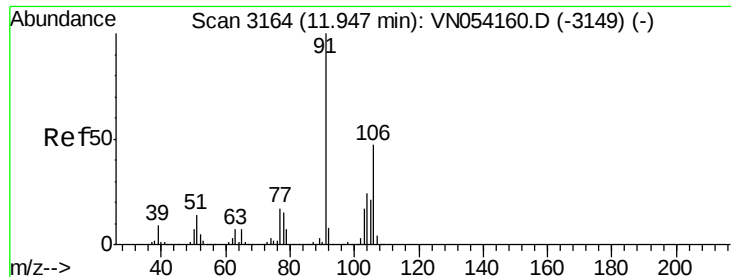
106 100

91 198.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054201.D (-2970) (-)





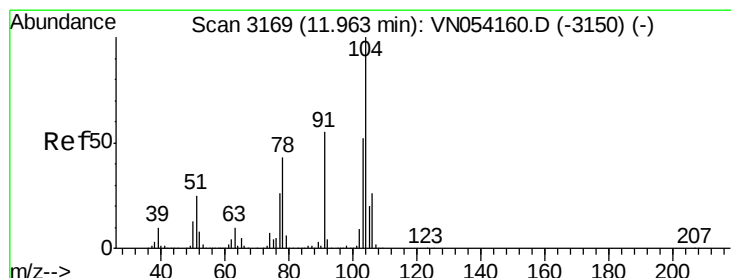
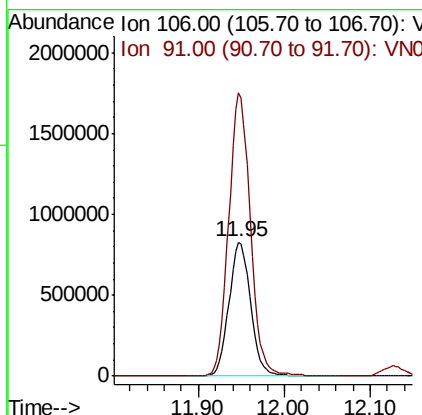
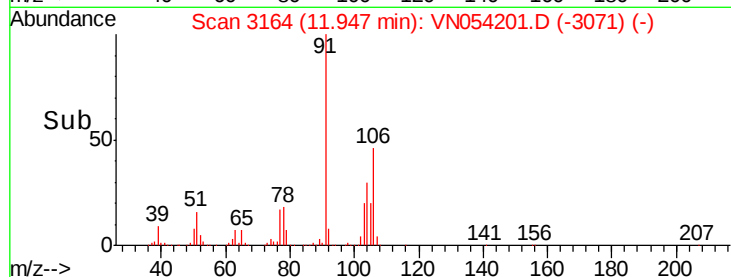
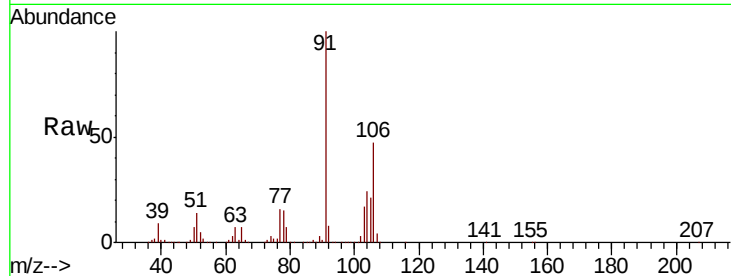
#69
o-Xylene
Concen: 50.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 1453596
Ion Ratio Lower Upper
106 100
91 210.9 105.7 317.1

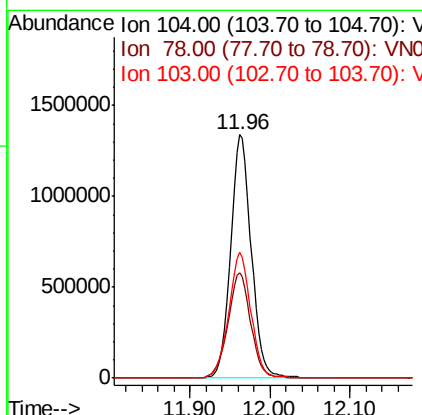
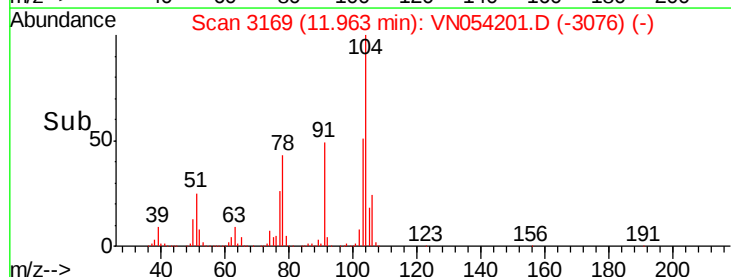
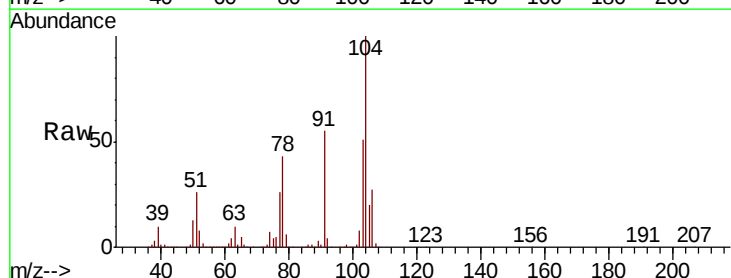
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#70
Styrene
Concen: 51.920 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion:104 Resp: 2343376
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 46.545 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 585154

Ion Ratio Lower Upper

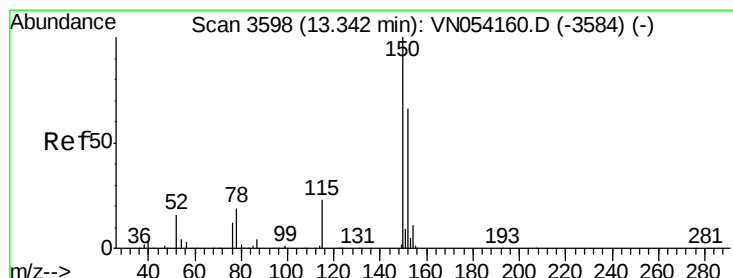
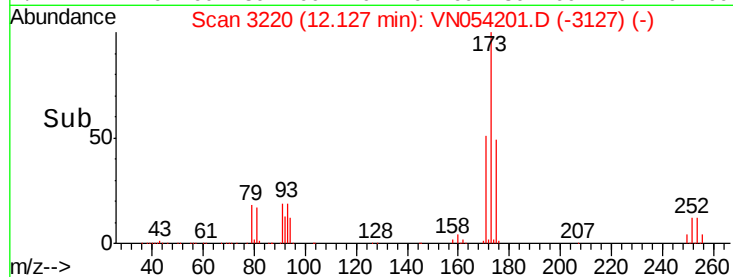
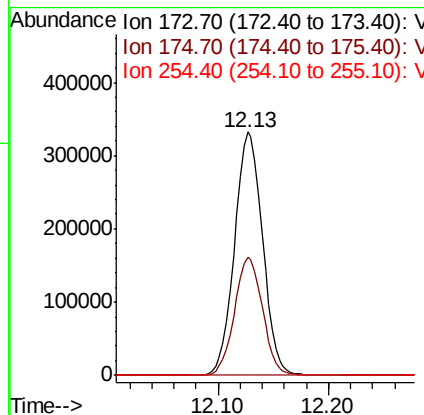
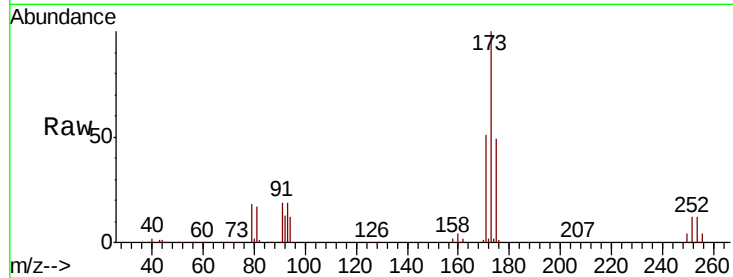
173 100

175 48.5 24.4 73.2

254 0.2 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

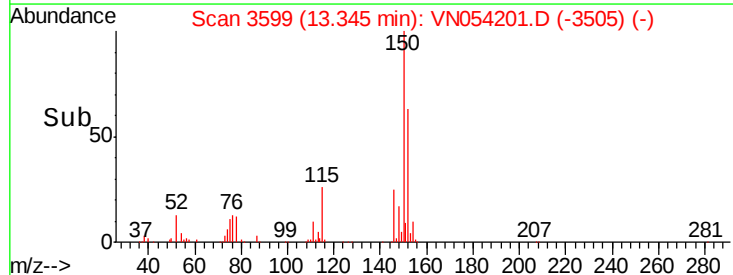
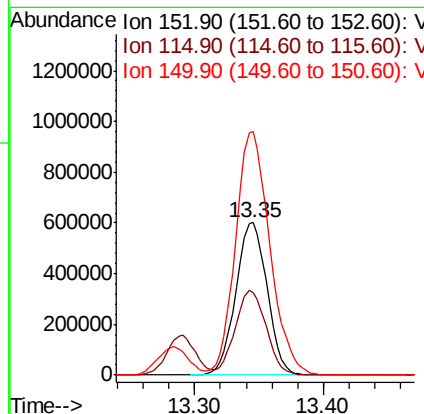
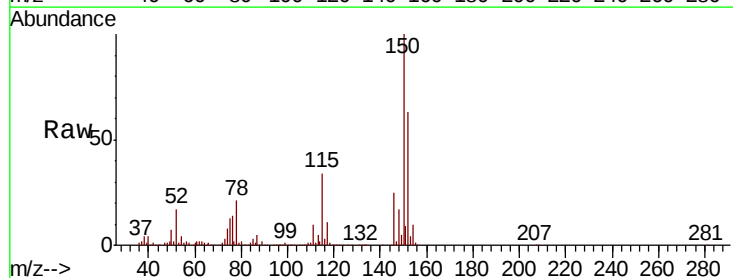
Tgt Ion:152 Resp: 1011508

Ion Ratio Lower Upper

152 100

115 55.3 27.2 81.6

150 175.3 0.0 349.2





#73

Isopropylbenzene

Concen: 47.447 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 3839764

Ion Ratio Lower Upper

105 100

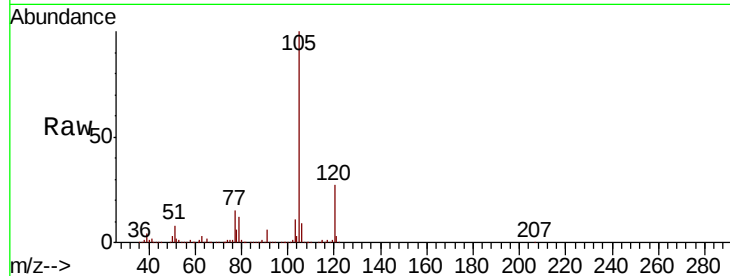
120 27.5 13.8 41.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

2500000

2000000

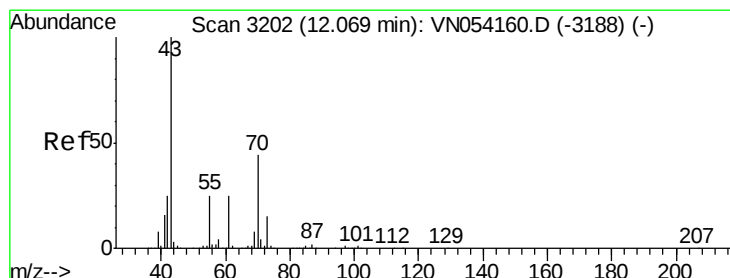
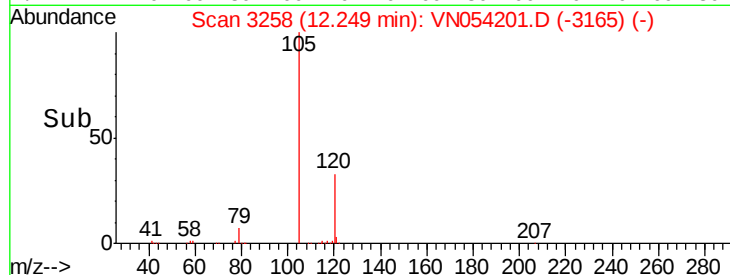
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 54.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Tgt Ion: 43 Resp: 979991

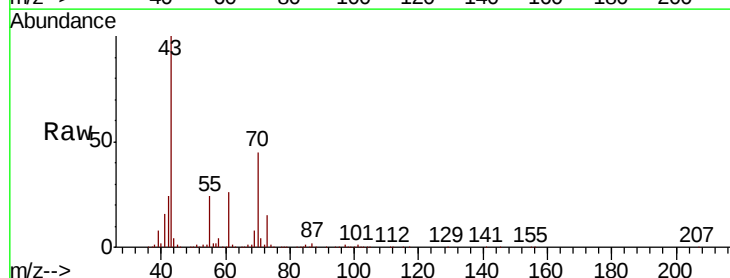
Ion Ratio Lower Upper

43 100

70 44.9 35.4 53.0

55 24.7 19.8 29.6

61 25.4 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

1000000

800000

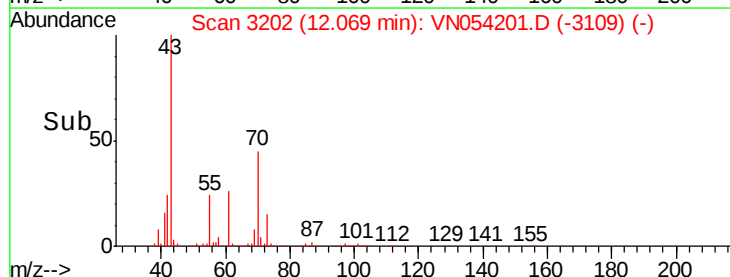
600000

400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.725 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 874601
Ion Ratio Lower Upper

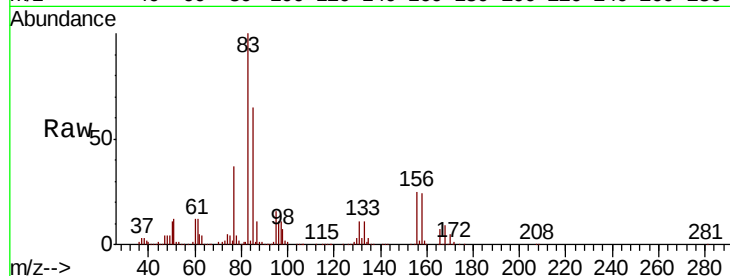
83 100

131 11.5 5.8 17.4

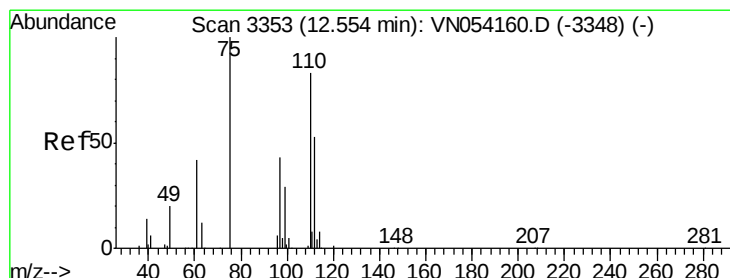
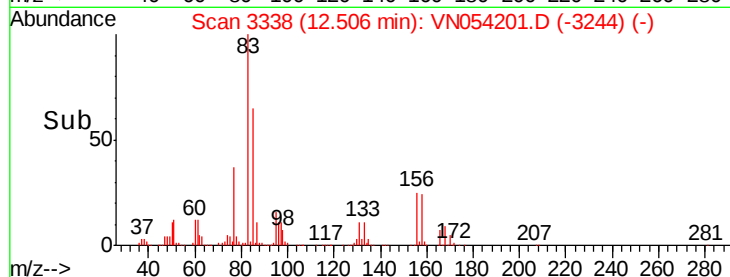
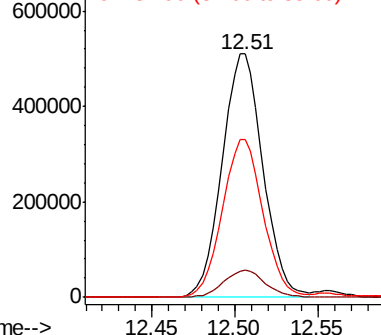
85 64.8 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 52.795 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

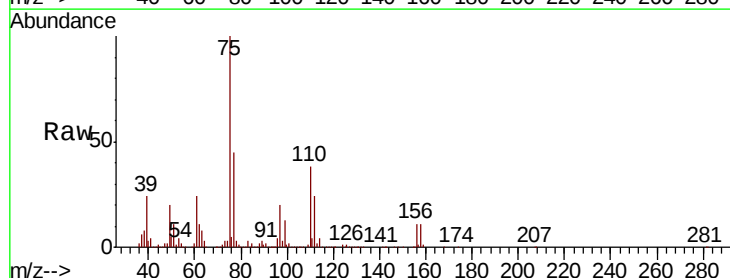
Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

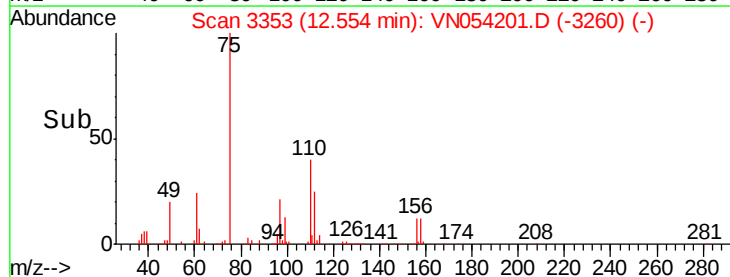
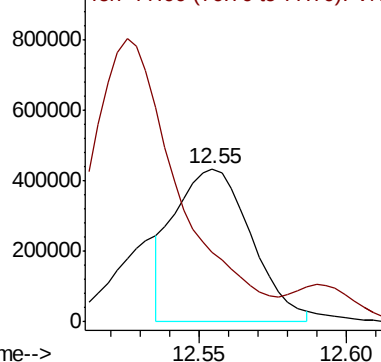
Tgt Ion: 75 Resp: 785307
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.883 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054201.D

Acq: 13 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 156 Resp: 1046813

Ion Ratio Lower Upper

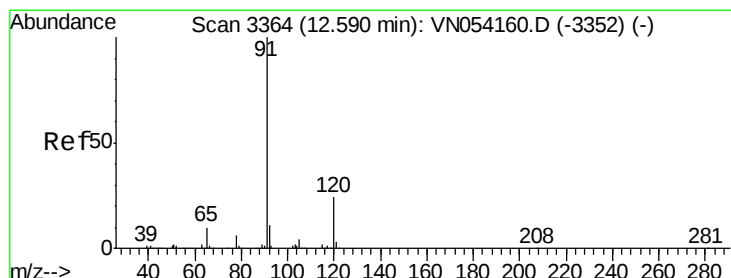
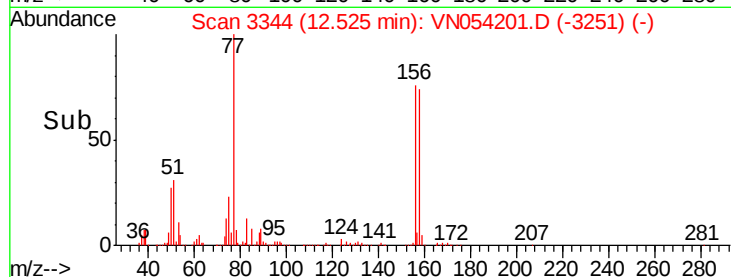
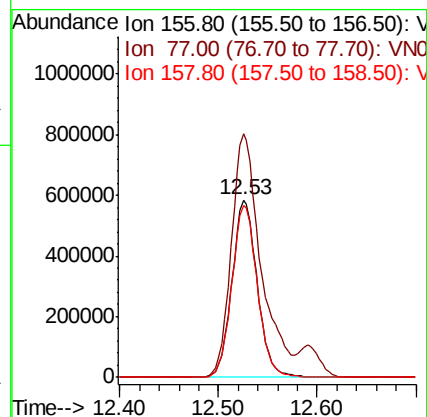
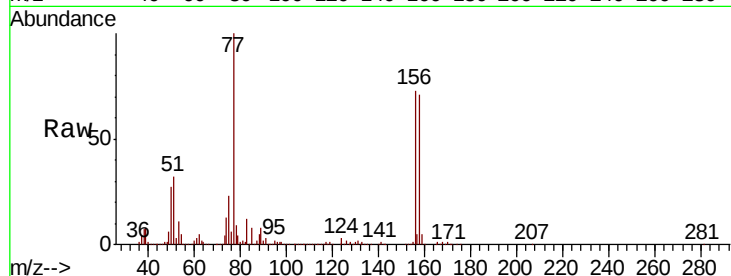
156 100

77 160.9 81.5 244.4

158 97.6 49.0 147.2

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#78

n-propylbenzene

Concen: 48.500 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054201.D

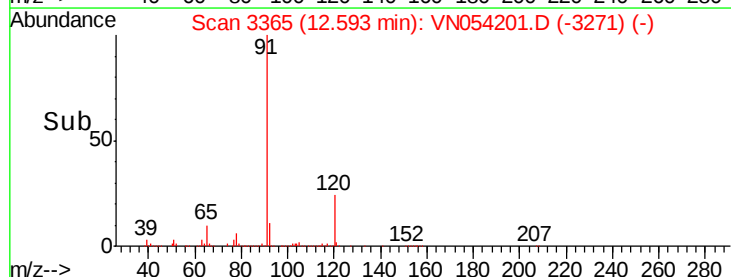
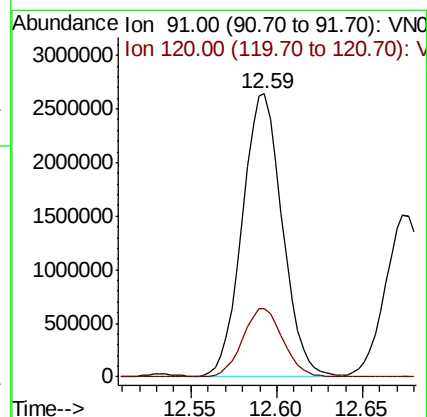
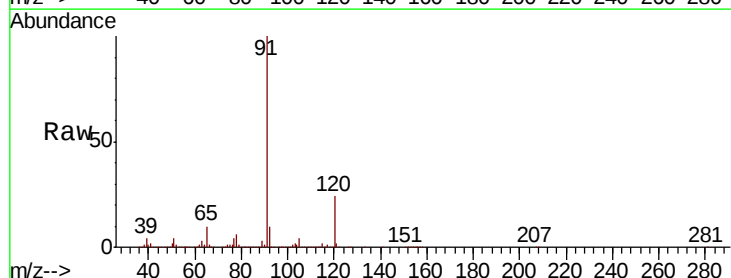
Acq: 13 Mar 2019 8:45

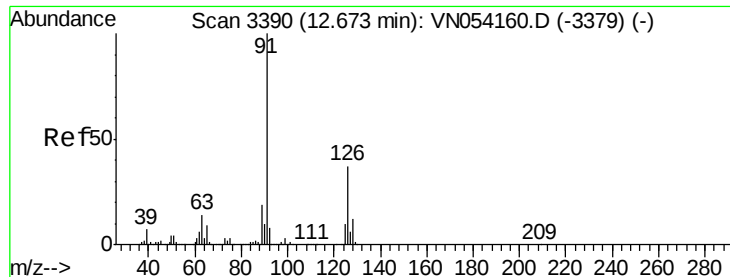
Tgt Ion: 91 Resp: 4258874

Ion Ratio Lower Upper

91 100

120 24.5 12.3 36.9





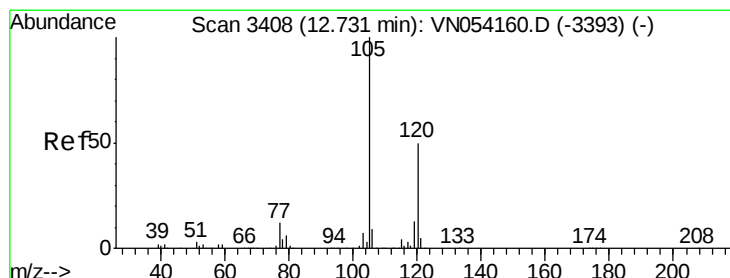
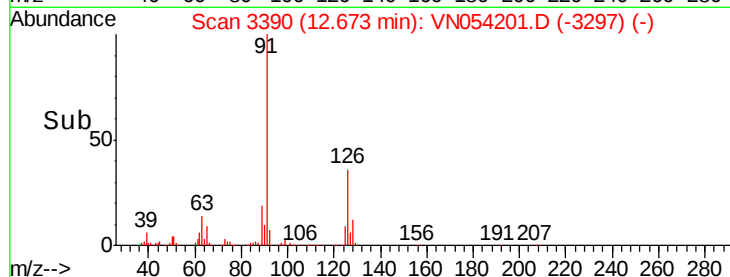
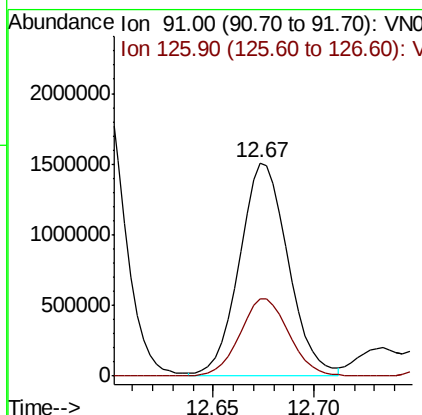
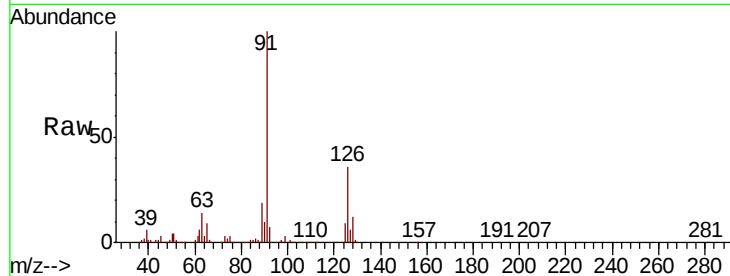
#79
2-Chlorotoluene
Concen: 47.989 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2533731
Ion Ratio Lower Upper
91 100
126 37.1 18.7 56.1

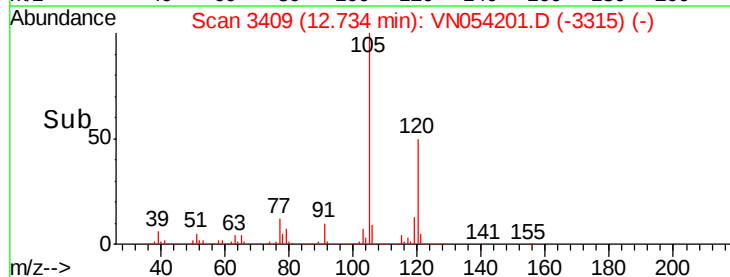
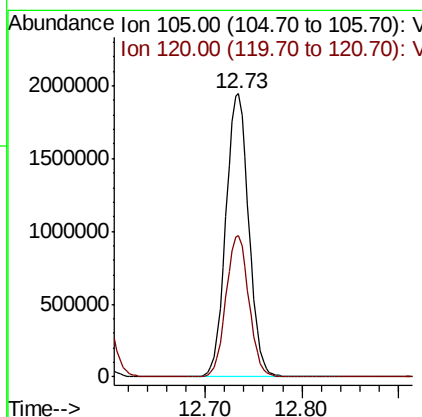
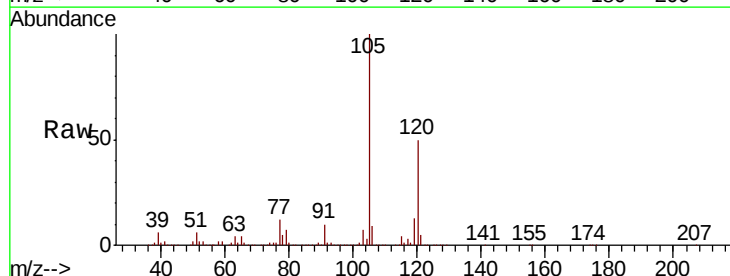
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#80
1,3,5-Trimethylbenzene
Concen: 47.332 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 105 Resp: 3186090
Ion Ratio Lower Upper
105 100
120 50.1 25.0 75.0





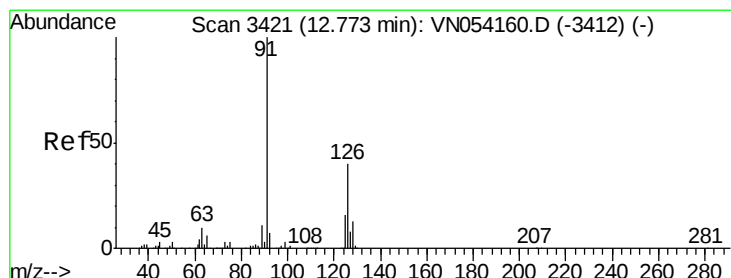
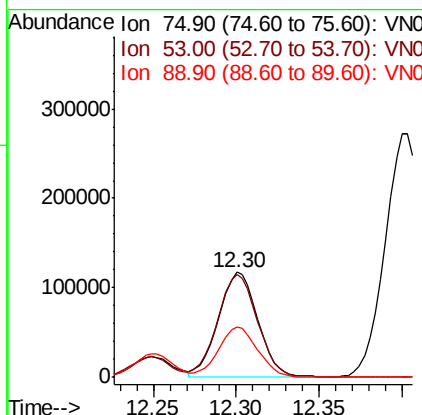
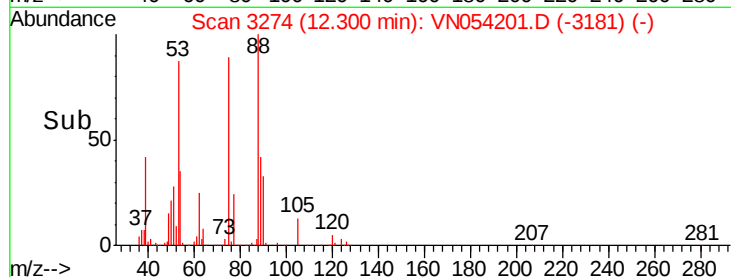
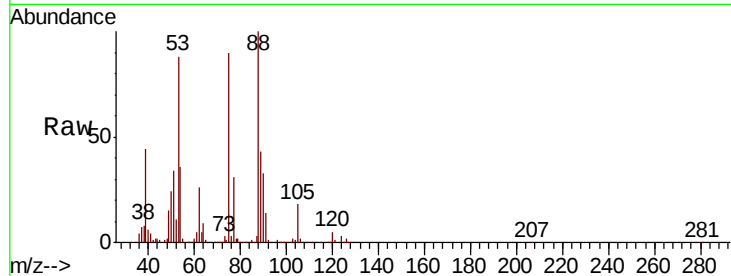
#81
trans-1,4-Dichloro-2-butene
Concen: 43.969 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.6	76.2	114.2
89	48.8	39.2	58.8

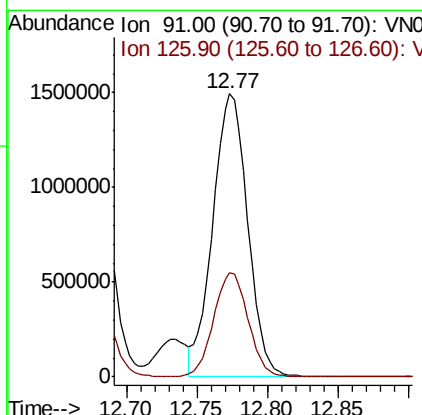
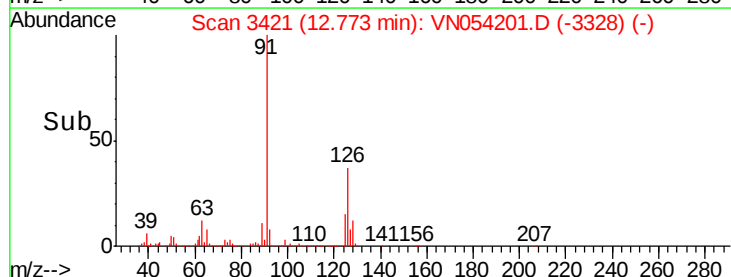
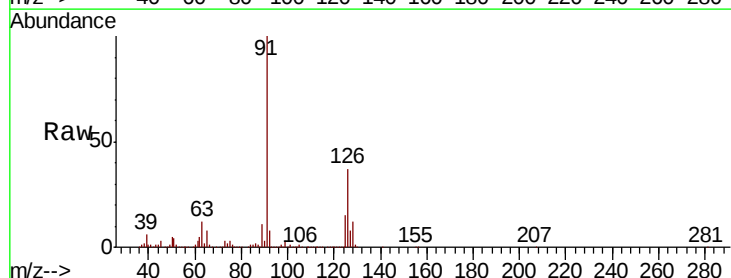
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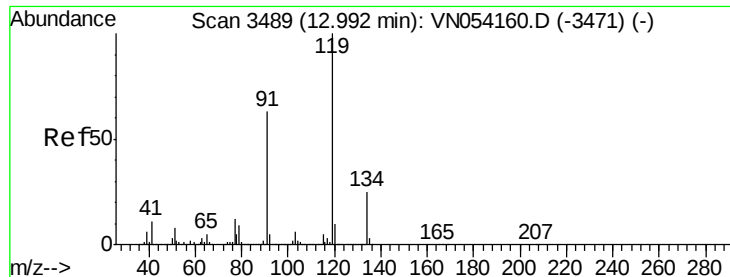
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#82
4-Chlorotoluene
Concen: 48.641 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.1





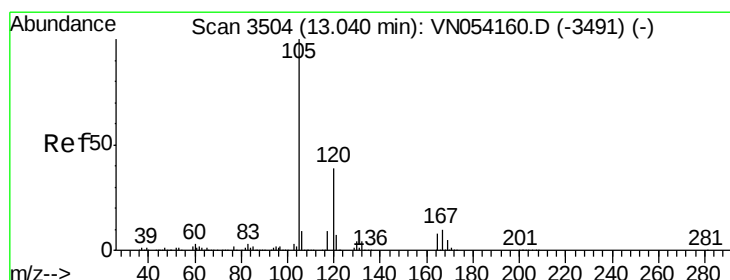
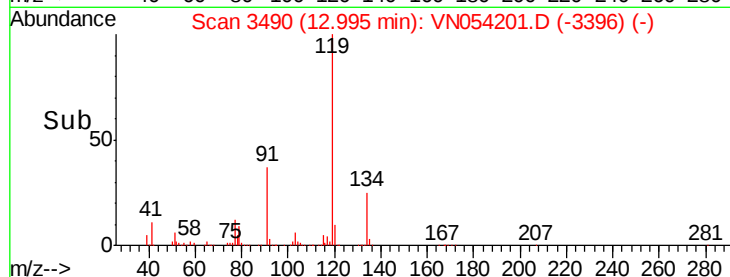
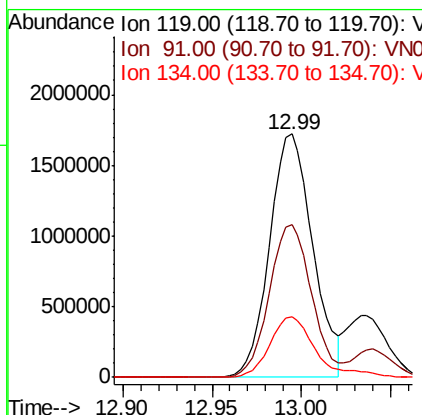
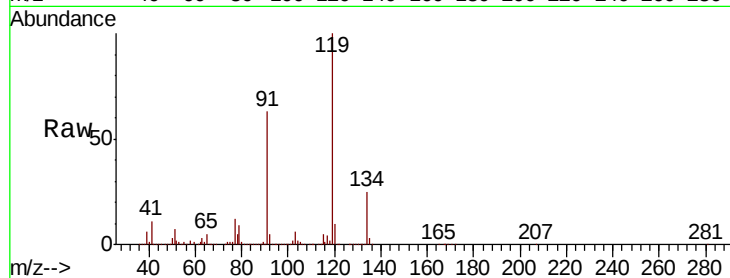
#83
 tert-Butylbenzene
 Concen: 46.948 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 2908856
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.9 92.8
 134 26.4 13.2 39.6

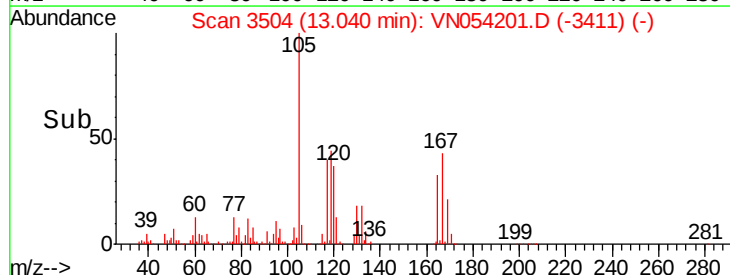
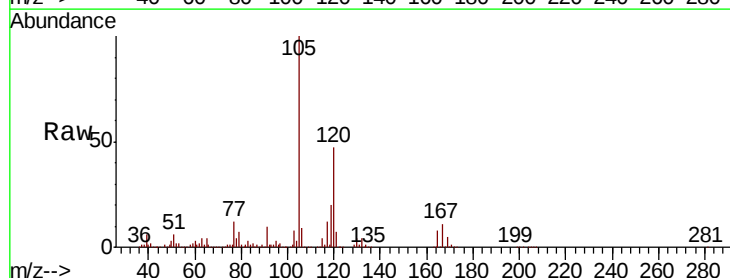
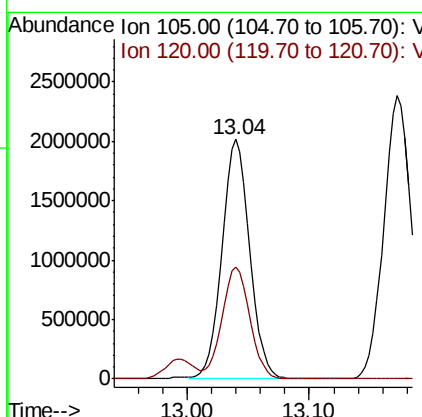
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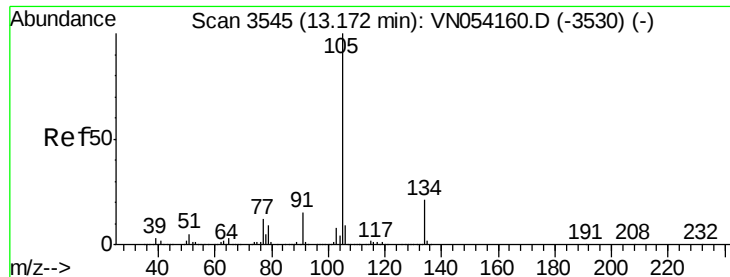
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.633 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion:105 Resp: 3211680
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3





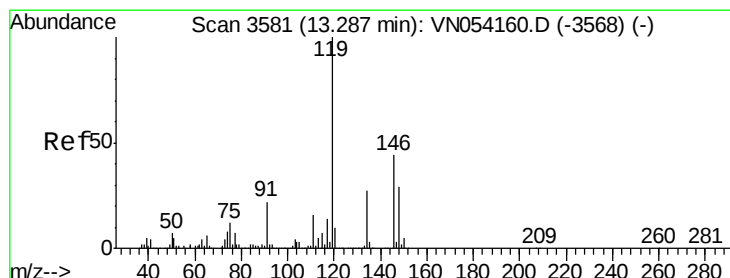
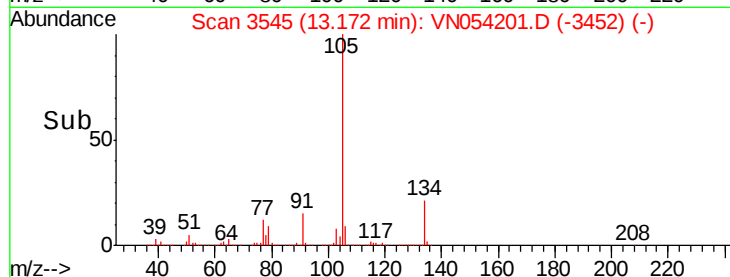
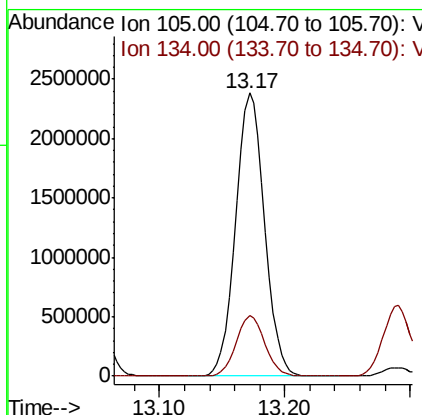
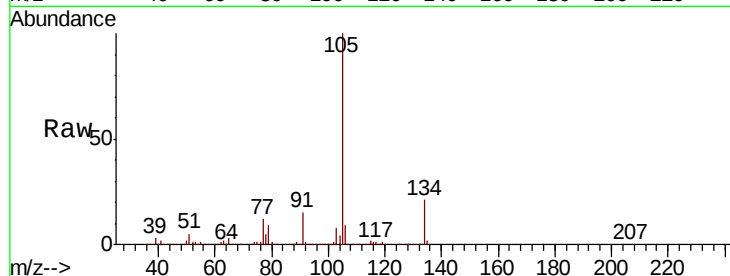
#85
 sec-Butylbenzene
 Concen: 47.330 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 3803061
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 32.1

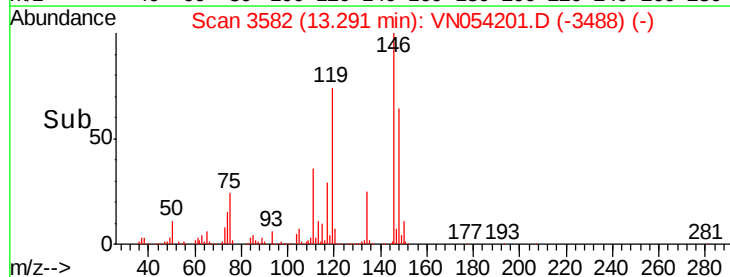
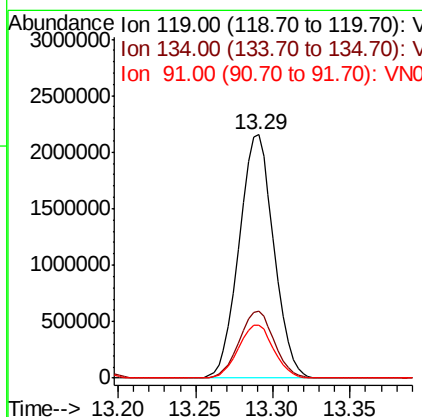
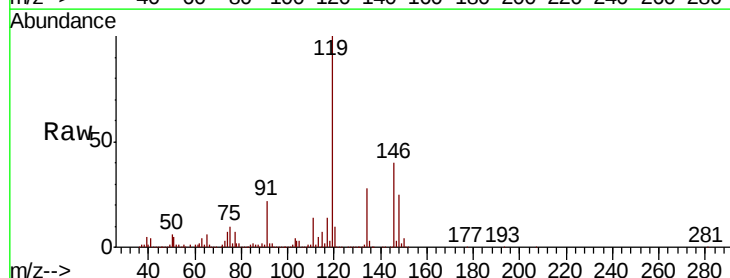
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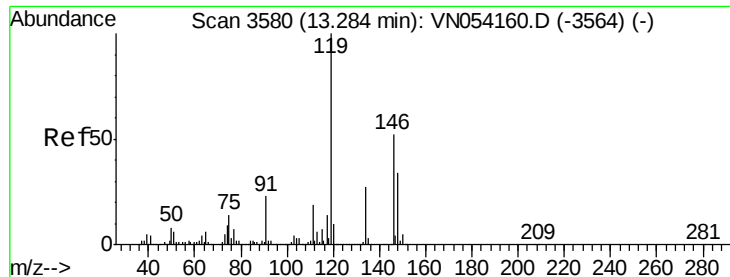
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#86
 p-Isopropyltoluene
 Concen: 47.627 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion:119 Resp: 3357389
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.6 40.8
 91 22.1 11.1 33.3





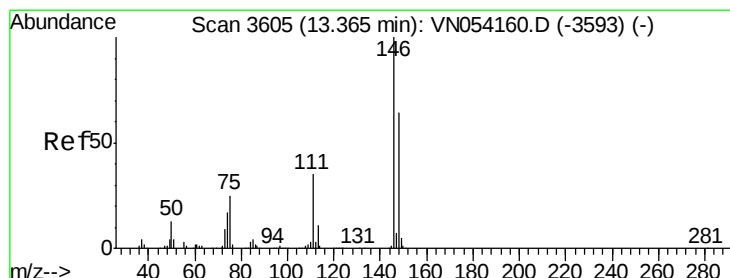
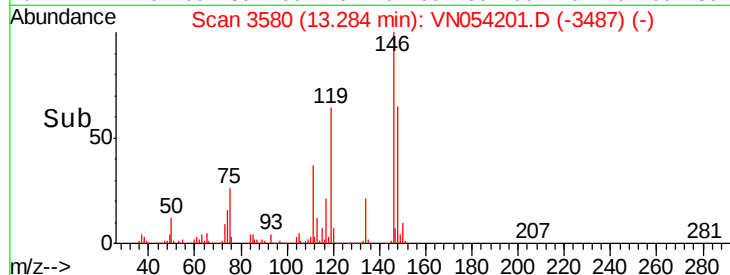
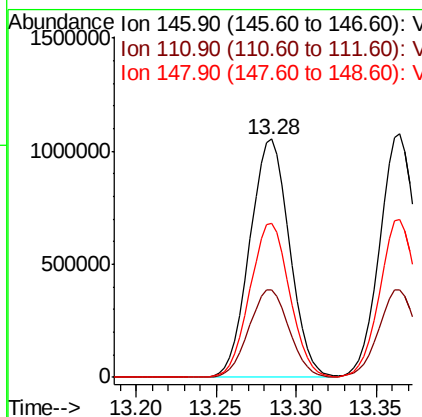
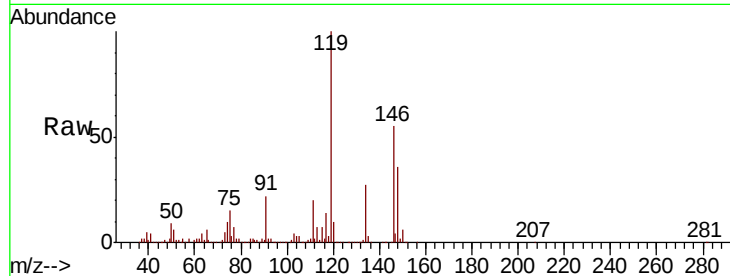
#87
 1,3-Dichlorobenzene
 Concen: 49.837 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	64.6	32.2	96.6

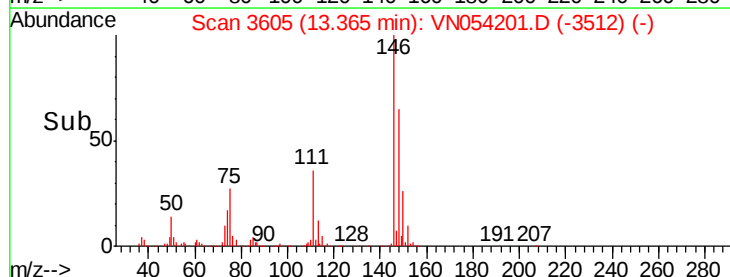
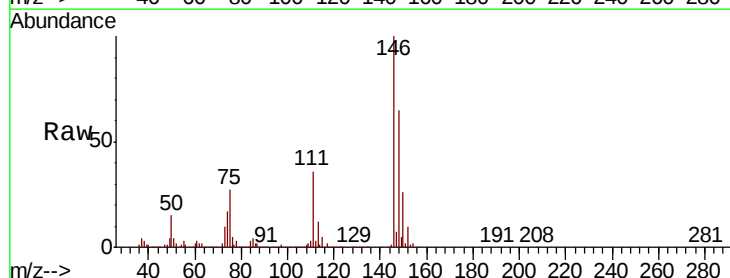
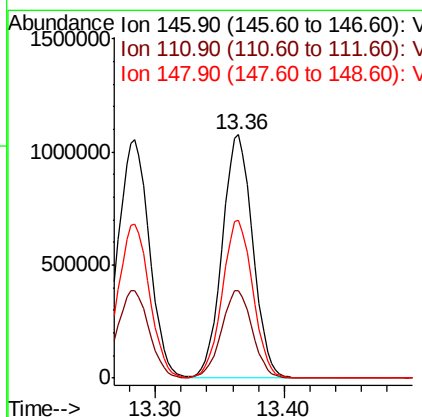
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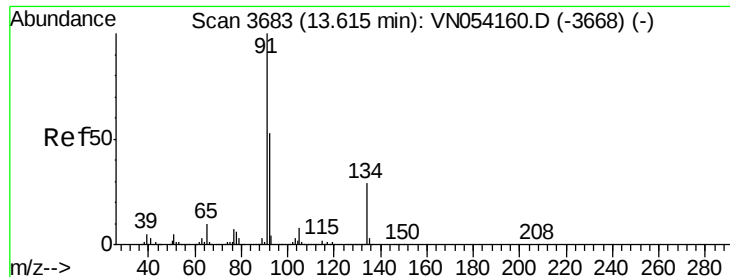
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#88
 1,4-Dichlorobenzene
 Concen: 49.804 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.9	32.0	96.0





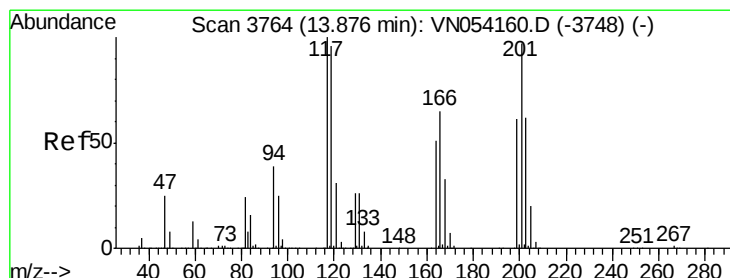
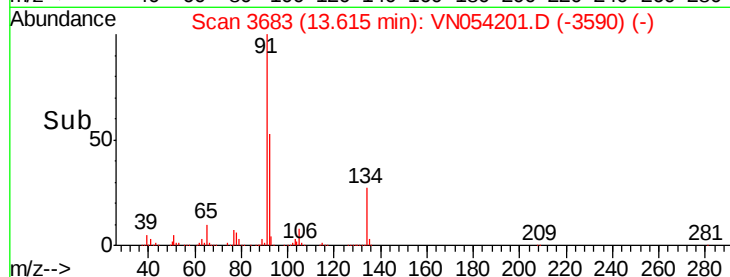
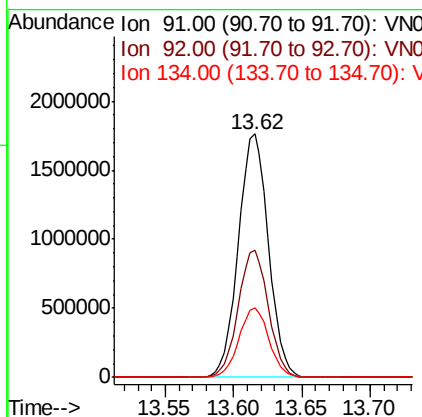
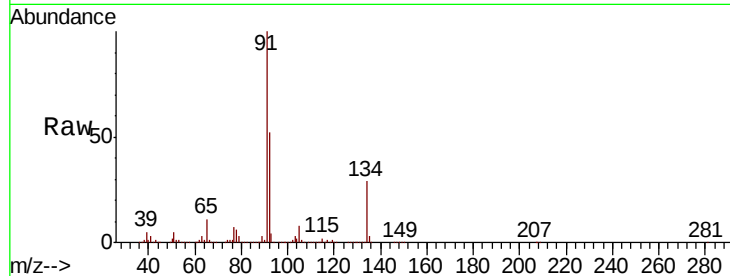
#89
n-Butylbenzene
Concen: 50.312 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2694758
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.6
134 28.4 14.3 42.9

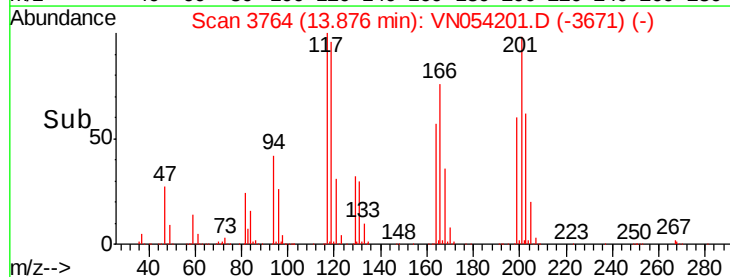
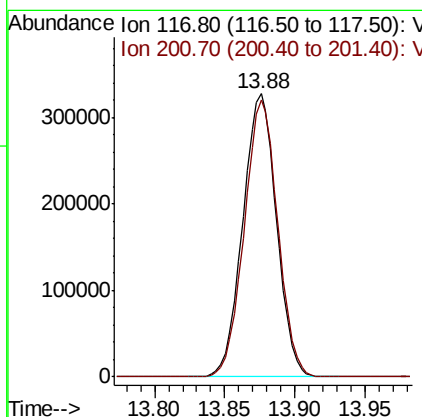
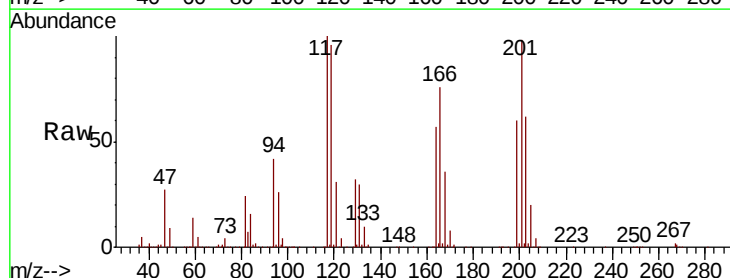
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#90
Hexachloroethane
Concen: 46.984 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion: 117 Resp: 548419
Ion Ratio Lower Upper
117 100
201 96.9 48.1 144.4





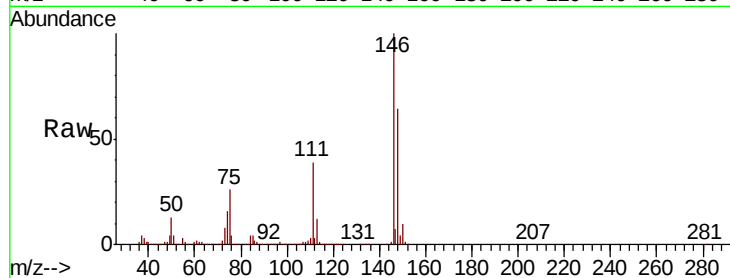
#91
 1,2-Dichlorobenzene
 Concen: 49.745 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.1	32.4	97.0

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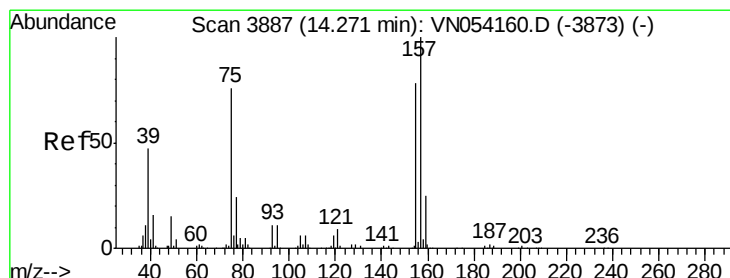
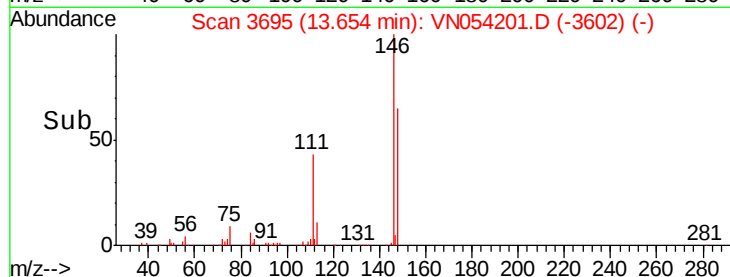
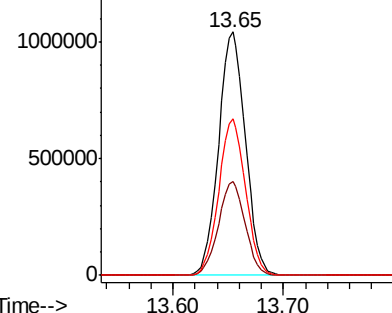


Abundance

Ion 145.90 (145.60 to 146.60): V

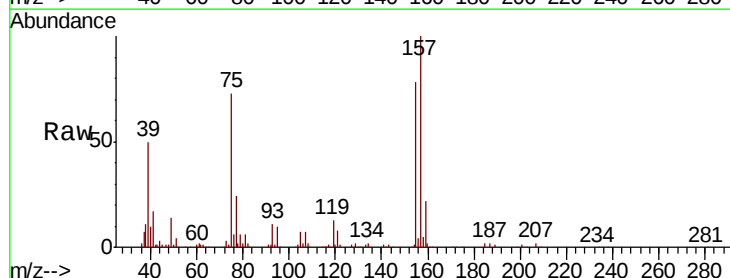
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.927 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054201.D
 Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	50.1	150.3
157	131.1	63.1	189.3

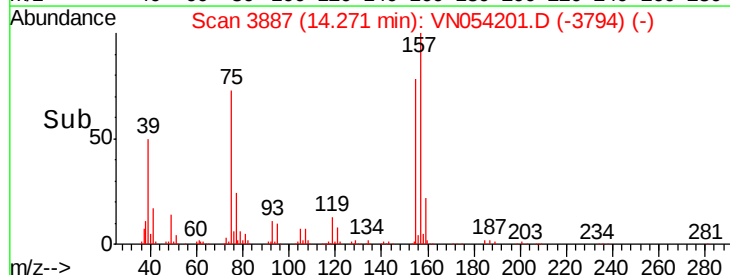
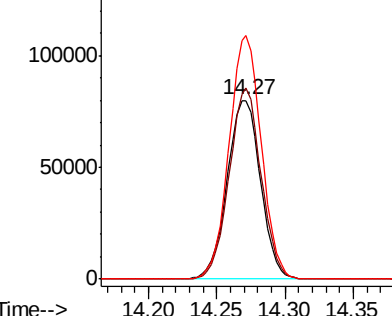


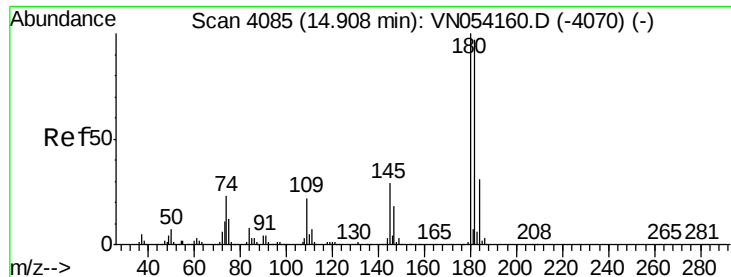
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





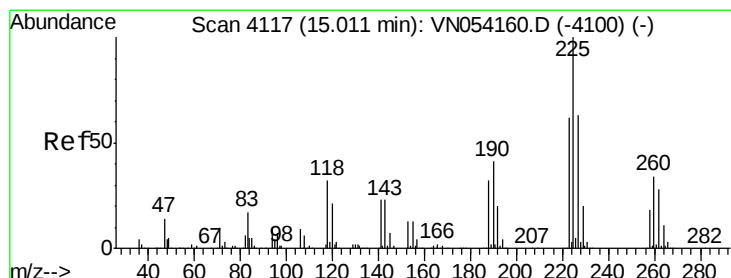
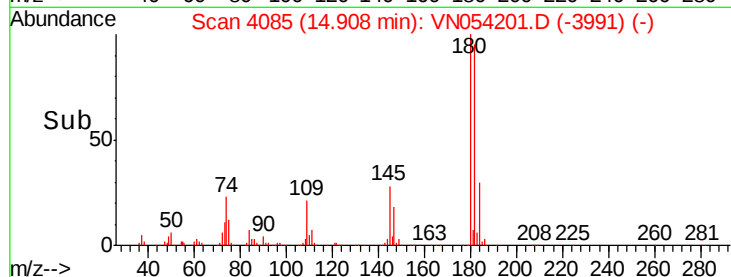
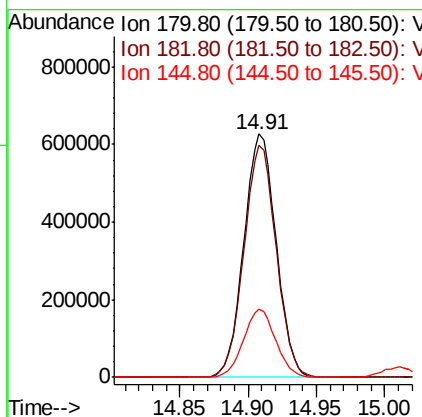
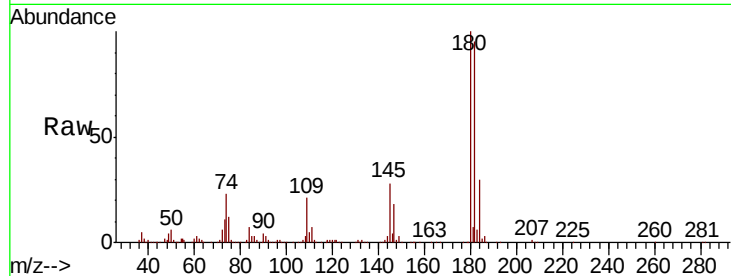
#93
1,2,4-Trichlorobenzene
Concen: 48.465 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	27.7	14.2	42.8

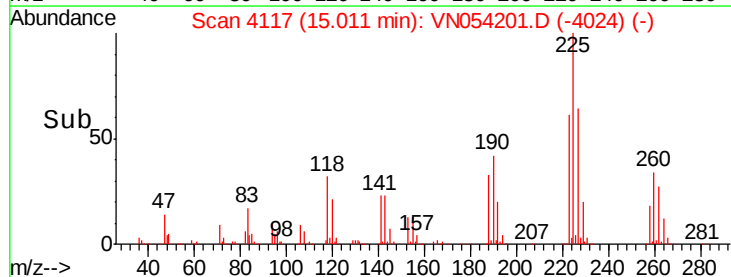
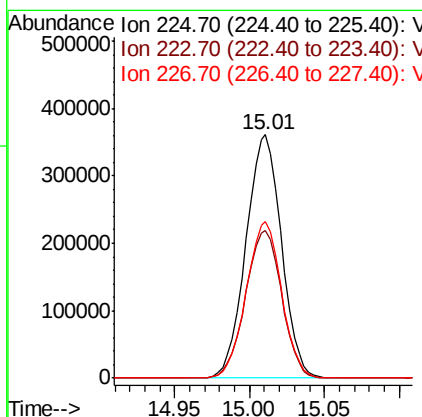
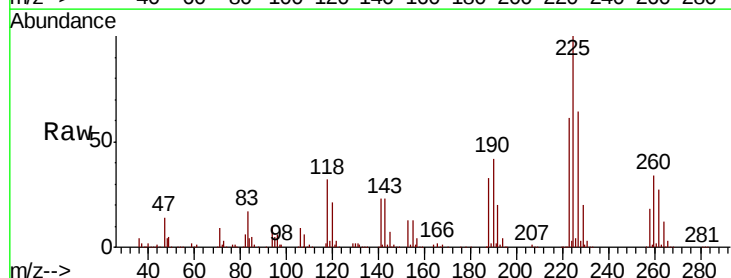
Manual Integrations
APPROVED

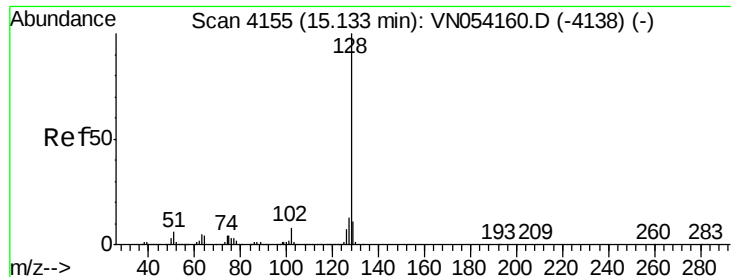
MMDadoda
3/13/2019 11:40:51 AM



#94
Hexachlorobutadiene
Concen: 44.353 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.5
227	64.1	31.9	95.9





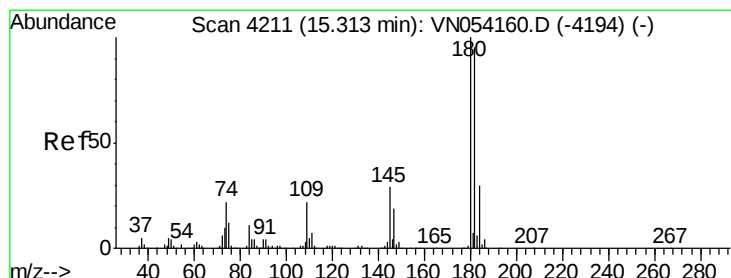
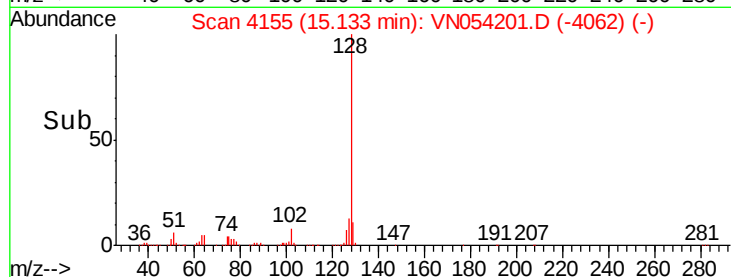
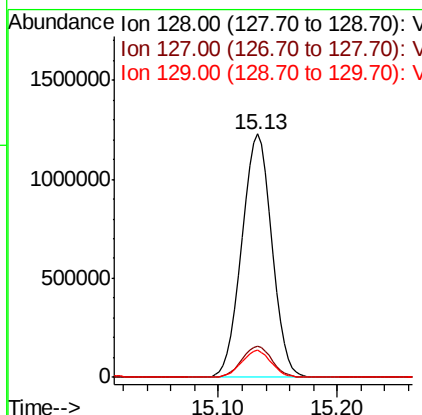
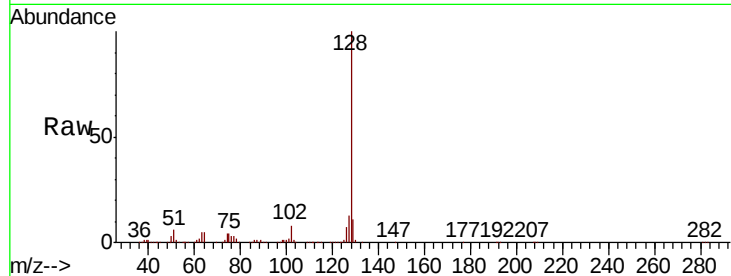
#95
Naphthalene
Concen: 48.564 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:40:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.442 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054201.D
Acq: 13 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	29.7	14.8	44.3

