

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055931.D
 Acq On : 31 May 2019 20:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:20 PM

Quant Time: Jun 03 08:53:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	298035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	450049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	398453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	165279	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	7.59	113	145292	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	545697	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	187410	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	88774	44.258	ug/l 99
3) Chloromethane	2.06	50	125995	44.833	ug/l 98
4) Vinyl Chloride	2.18	62	138287	46.135	ug/l 99
5) Bromomethane	2.53	94	90883	48.464	ug/l 99
6) Chloroethane	2.68	64	90193	49.977	ug/l 99
7) Trichlorofluoromethane	3.00	101	192613	49.013	ug/l 100
8) Diethyl Ether	3.40	74	88492	50.241	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122858	50.083	ug/l 98
10) Methyl Iodide	3.94	142	181794	50.689	ug/l 100
11) Tert butyl alcohol	4.82	59	146133	248.493	ug/l 98
12) 1,1-Dichloroethene	3.72	96	123869	48.869	ug/l 98
13) Acrolein	3.60	56	93348	221.683	ug/l 99
14) Allyl chloride	4.31	41	203056	46.731	ug/l 98
15) Acrylonitrile	4.99	53	369316	273.491	ug/l 100
16) Acetone	3.82	43	319711	236.304	ug/l 99
17) Carbon Disulfide	4.04	76	264710	36.758	ug/l 99
18) Methyl Acetate	4.33	43	163052	59.521	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	437441	51.746	ug/l 99
20) Methylene Chloride	4.54	84	146351	49.948	ug/l 97
21) trans-1,2-Dichloroethene	5.03	96	134312	49.323	ug/l 97
22) Diisopropyl ether	5.96	45	446224	52.799	ug/l 99
23) Vinyl Acetate	5.90	43	1855568	256.080	ug/l 100
24) 1,1-Dichloroethane	5.84	63	248719	50.546	ug/l 99
25) 2-Butanone	6.84	43	501120	265.210	ug/l 99
26) 2,2-Dichloropropane	6.82	77	178275	41.863	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	166464	52.397	ug/l 98
28) Bromochloromethane	7.19	49	121160	51.716	ug/l 100
29) Tetrahydrofuran	7.22	42	323434	270.299	ug/l 99
30) Chloroform	7.37	83	256136	52.195	ug/l 99
31) Cyclohexane	7.65	56	217350	47.048	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	214893	49.073	ug/l 100
36) 1,1-Dichloropropene	7.79	75	186014	47.429	ug/l 99
37) Ethyl Acetate	6.93	43	200188	52.812	ug/l 98
38) Carbon Tetrachloride	7.77	117	177514	43.452	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216684	44.616	ug/l	99
40) Benzene	8.04	78	592082	50.091	ug/l	100
41) Methacrylonitrile	7.18	41	93636	48.895	ug/l	97
42) 1,2-Dichloroethane	8.12	62	191925	49.691	ug/l	100
43) Isopropyl Acetate	8.17	43	318878	50.068	ug/l #	92
44) Trichloroethene	8.83	130	163125	49.503	ug/l	100
45) 1,2-Dichloropropane	9.12	63	157586	51.170	ug/l	99
46) Dibromomethane	9.21	93	102256	50.630	ug/l	99
47) Bromodichloromethane	9.40	83	194074	46.862	ug/l	99
48) Methyl methacrylate	9.20	41	153330	52.237	ug/l	99
49) 1,4-Dioxane	9.21	88	63724	1044.705	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	986279	262.206	ug/l	99
52) Toluene	10.16	92	371751	50.007	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	206685	46.755	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	233768	47.735	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	153477	51.534	ug/l	97
56) Ethyl methacrylate	10.43	69	233771	50.790	ug/l	99
57) 1,3-Dichloropropane	10.71	76	252770	52.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	429208	244.015	ug/l	99
59) 2-Hexanone	10.75	43	679468	254.634	ug/l	99
60) Dibromochloromethane	10.90	129	160564	46.280	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157742	51.064	ug/l	98
64) Tetrachloroethene	10.63	164	162829	48.452	ug/l	100
65) Chlorobenzene	11.43	112	397586	49.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	151824	47.723	ug/l	99
67) Ethyl Benzene	11.51	91	698749	48.849	ug/l	99
68) m/p-Xylenes	11.62	106	534101	98.766	ug/l	99
69) o-Xylene	11.95	106	264493	49.298	ug/l	99
70) Styrene	11.96	104	438502	50.470	ug/l	100
71) Bromoform	12.13	173	114878	42.335	ug/l #	100
73) Isopropylbenzene	12.25	105	690671	55.866	ug/l	100
74) N-amyl acetate	12.07	43	252704	53.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	214926	58.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	177174m	59.468	ug/l	
77) Bromobenzene	12.53	156	182796	49.013	ug/l	99
78) n-propylbenzene	12.59	91	740722	48.762	ug/l	100
79) 2-Chlorotoluene	12.67	91	450294	55.303	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	567848	54.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56781	43.712	ug/l	94
82) 4-Chlorotoluene	12.77	91	435175	48.735	ug/l	100
83) tert-Butylbenzene	12.99	119	499730	55.582	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	562133	53.991	ug/l	99
85) sec-Butylbenzene	13.17	105	642344	54.823	ug/l	99
86) p-Isopropyltoluene	13.29	119	577179	47.553	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	290341	49.164	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279473	49.776	ug/l	99
89) n-Butylbenzene	13.61	91	438663	47.169	ug/l	99
90) Hexachloroethane	13.87	117	96175	41.629	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	289951	49.212	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35100	45.324	ug/l	99

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ClientSampleId :
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Manual Integrations
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Quant Time: Jun 03 08:53:03 2019
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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139689	41.847	ug/l	98
94) Hexachlorobutadiene	15.01	225	98129	47.223	ug/l	99
95) Naphthalene	15.13	128	398671	49.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	154134	49.489	ug/l	99

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

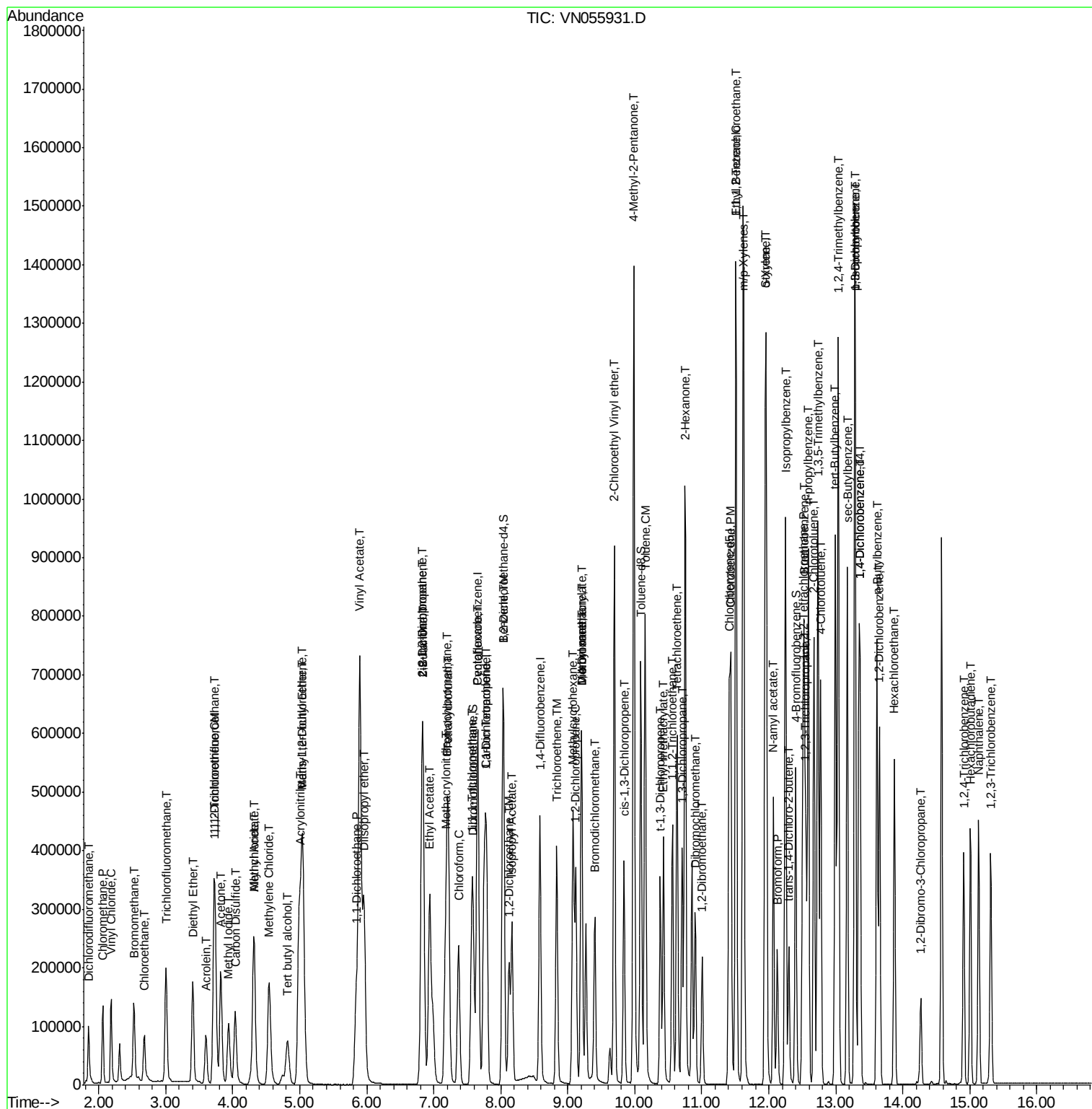
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Data File : VN055931.D
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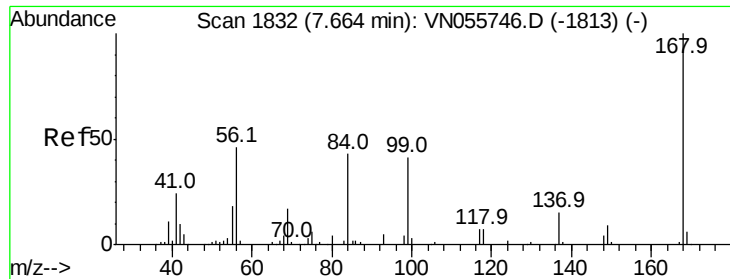
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 298035

Ion Ratio Lower Upper

168 100

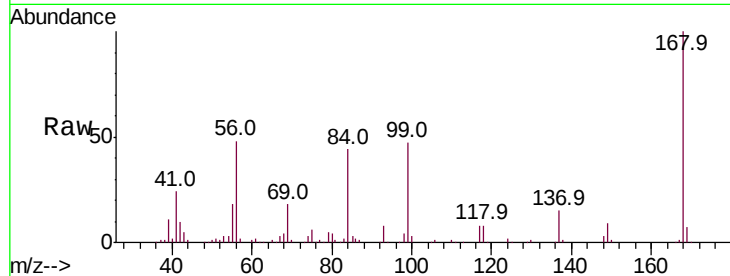
99 46.2 37.2 55.8

Manual Integrations

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6/3/2019 4:12:20 PM



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

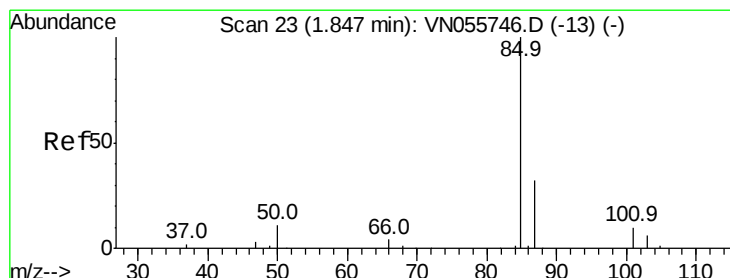
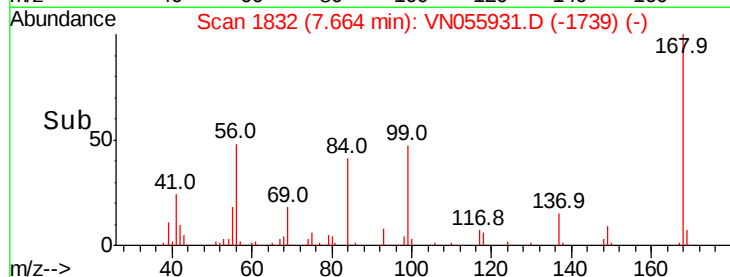
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.258 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055931.D

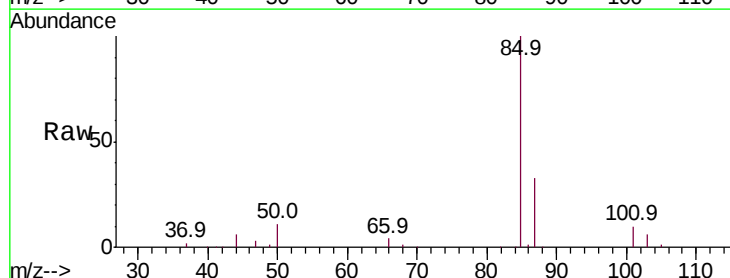
Acq: 31 May 2019 20:09

Tgt Ion: 85 Resp: 88774

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055746.D (-13) (-)

1.85

60000

50000

40000

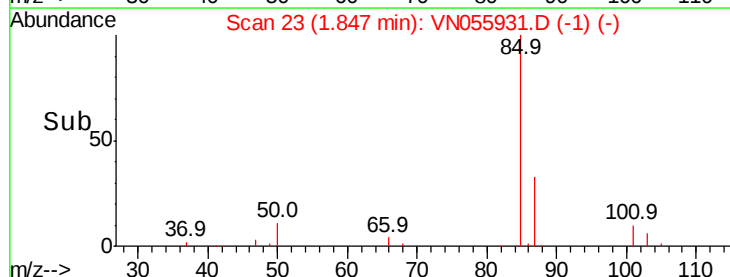
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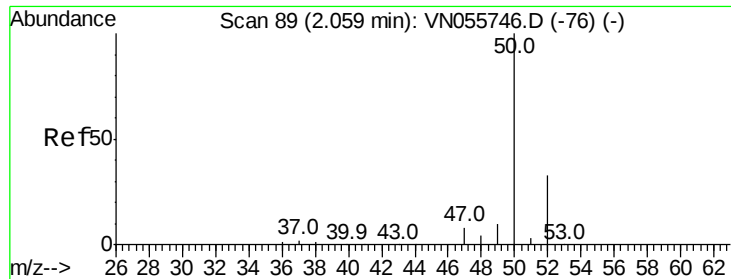
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Time-->





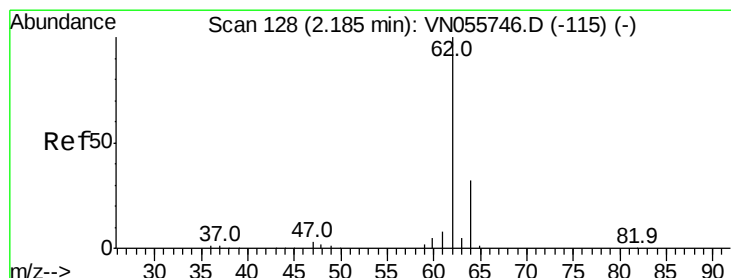
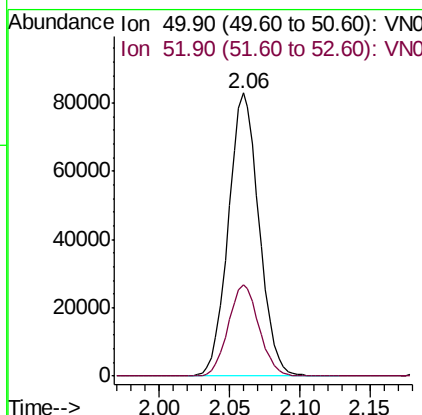
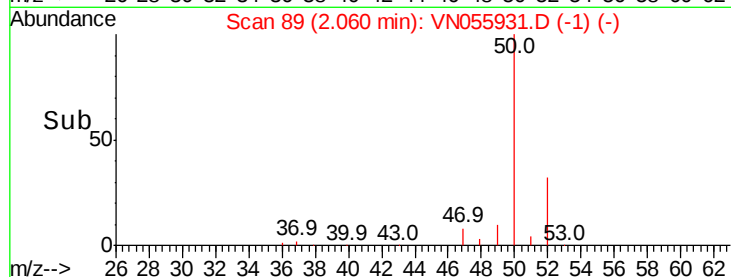
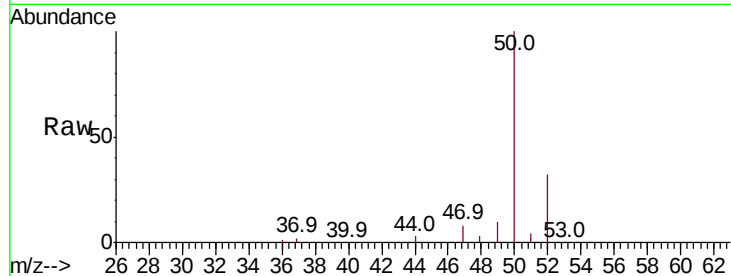
#3
Chloromethane
Concen: 44.833 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.6	40.0

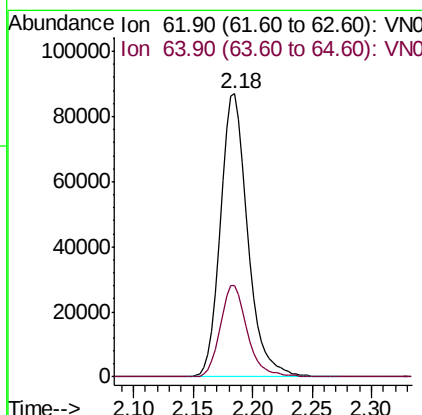
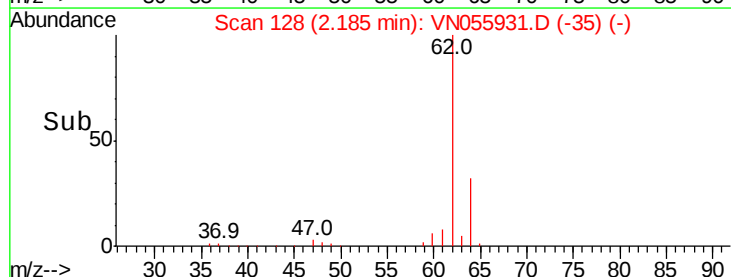
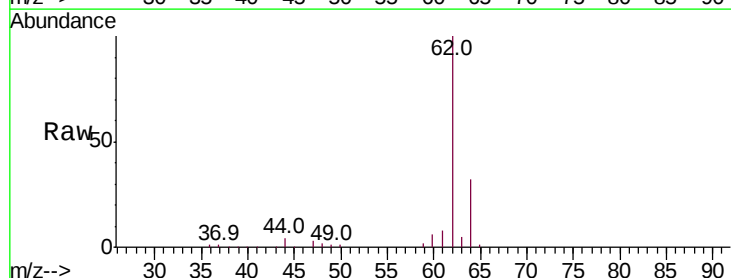
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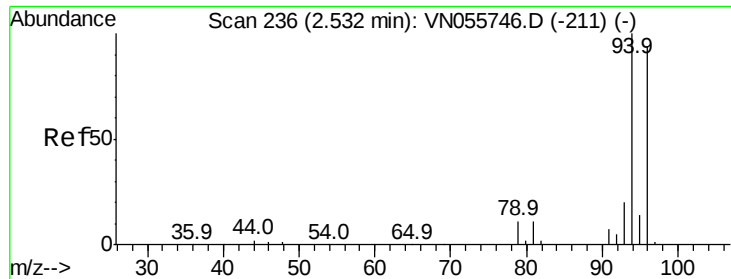
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#4
Vinyl Chloride
Concen: 46.135 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.6	38.4





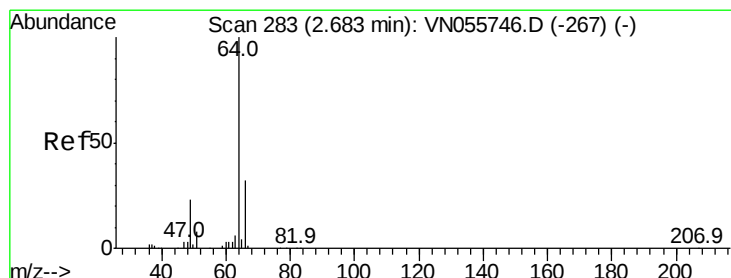
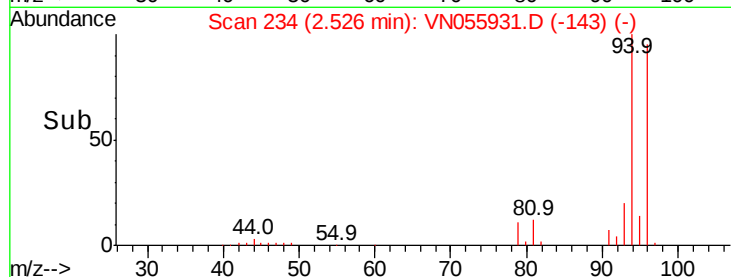
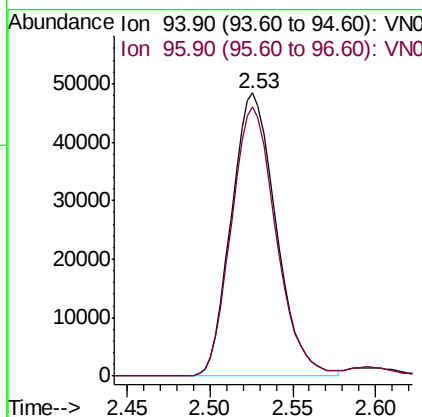
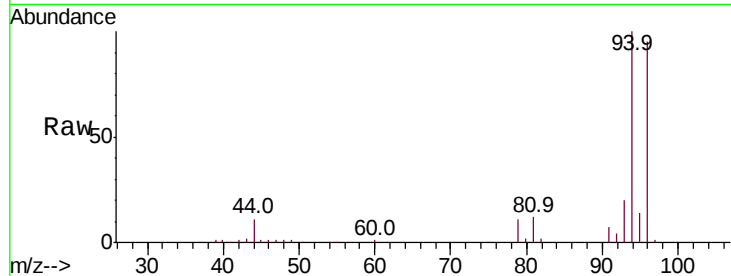
#5
Bromomethane
Concen: 48.464 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 90883
Ion Ratio Lower Upper
94 100
96 95.0 75.5 113.3

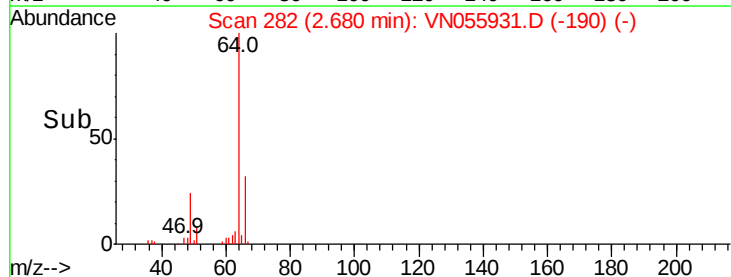
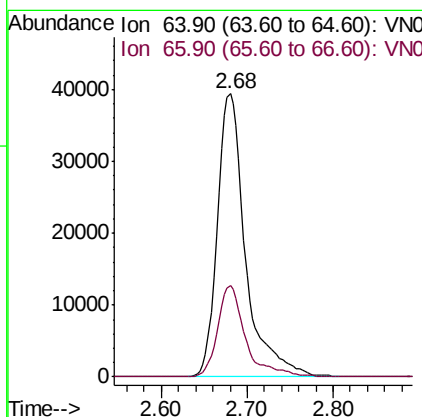
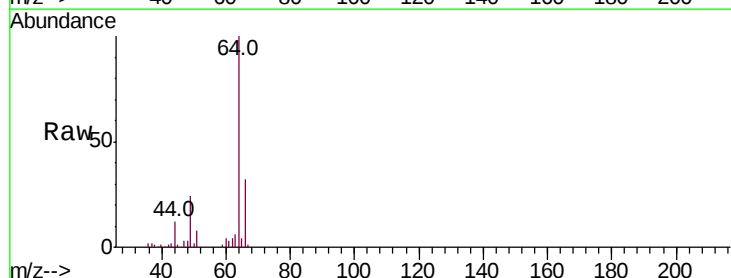
Manual Integrations
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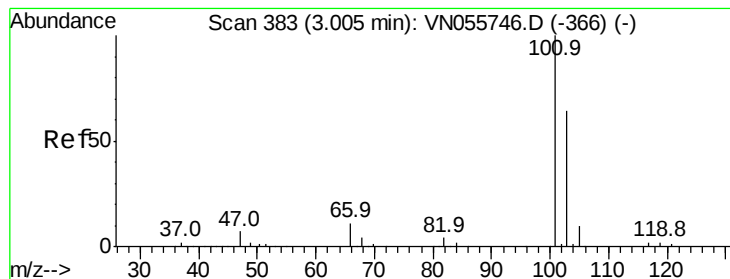
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#6
Chloroethane
Concen: 49.977 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 64 Resp: 90193
Ion Ratio Lower Upper
64 100
66 32.1 25.4 38.0





#7

Trichlorofluoromethane

Concen: 49.013 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 192613

Ion Ratio Lower Upper

101 100

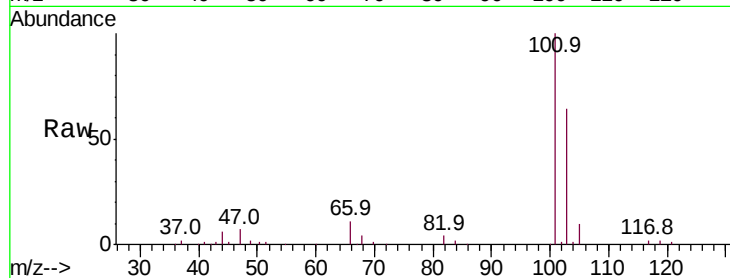
103 64.3 51.2 76.8

Manual Integrations

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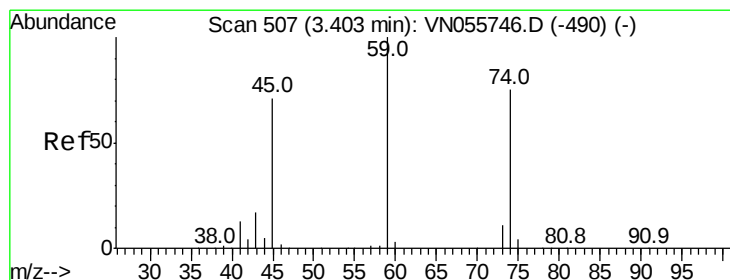
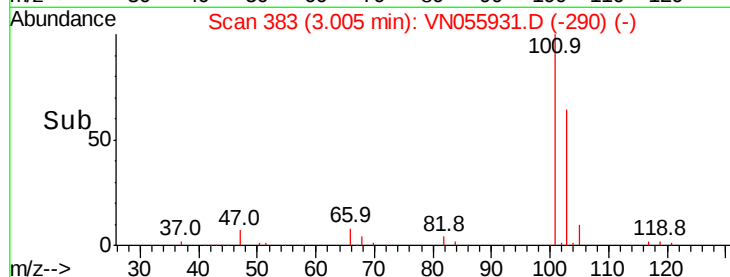
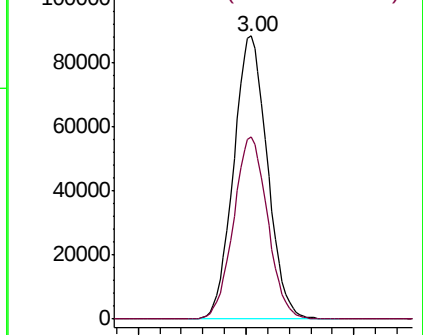
MMDadoda

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.241 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN055931.D

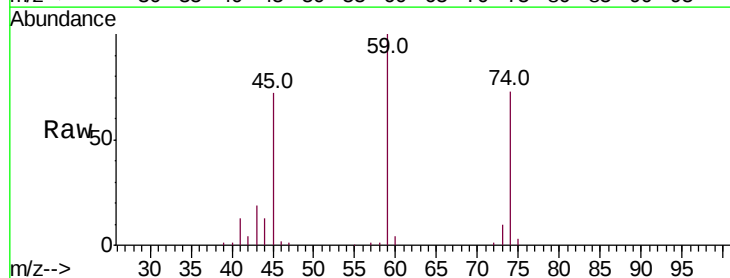
Acq: 31 May 2019 20:09

Tgt Ion: 74 Resp: 88492

Ion Ratio Lower Upper

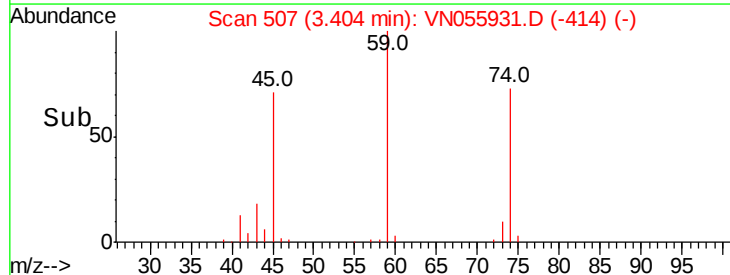
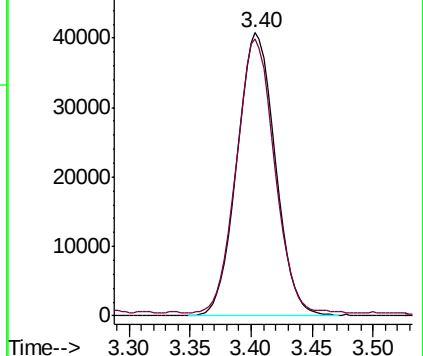
74 100

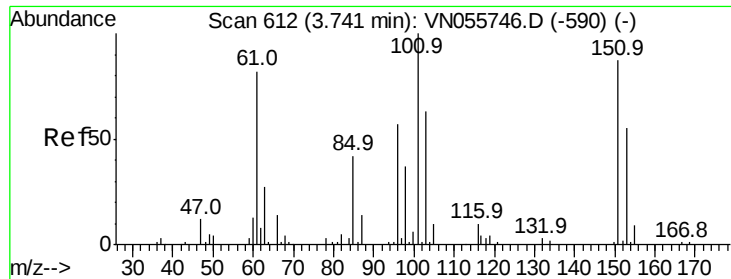
45 96.2 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.083 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

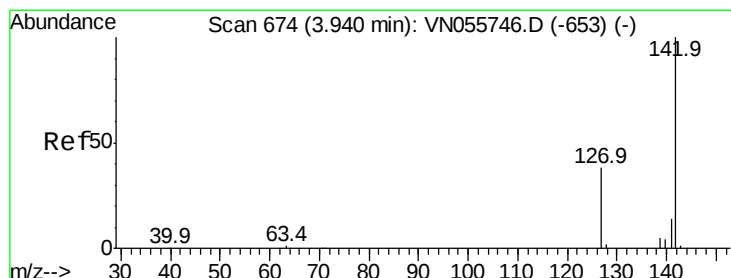
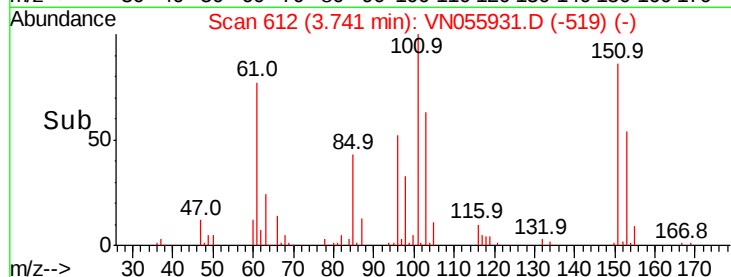
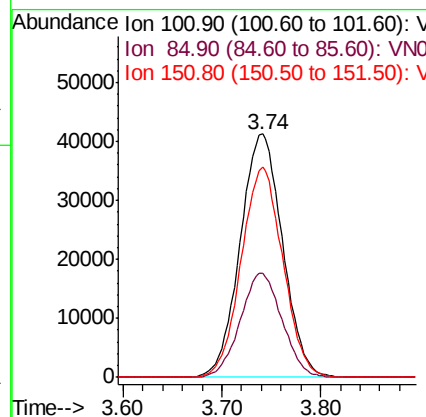
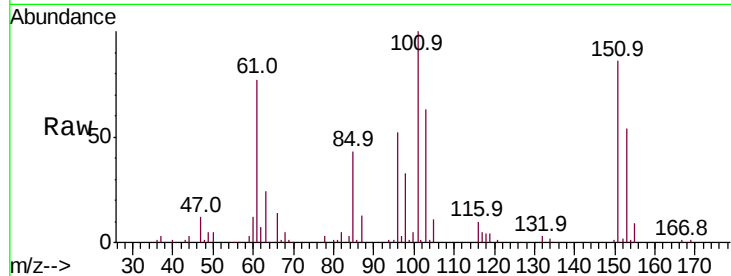
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	122858
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	84.8	69.4	104.2

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#10

Methyl Iodide

Concen: 50.689 ug/l

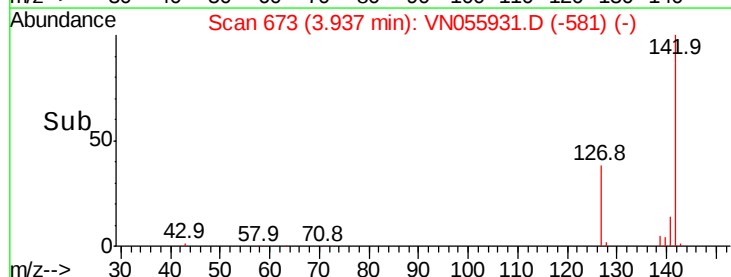
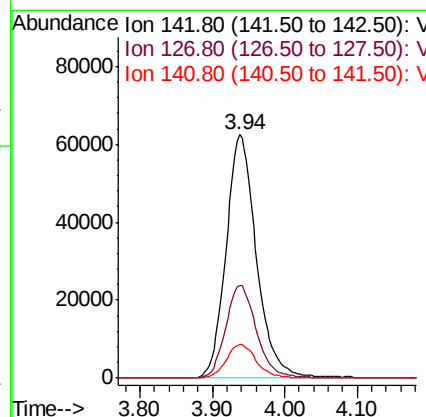
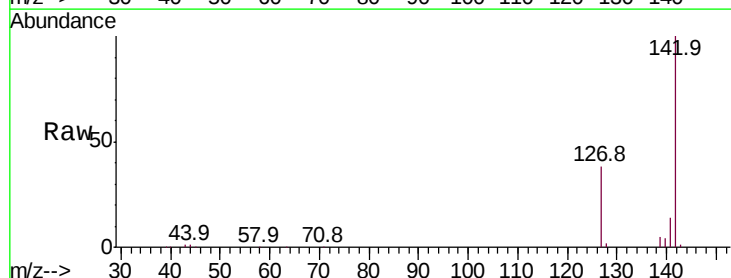
RT: 3.94 min Scan# 673

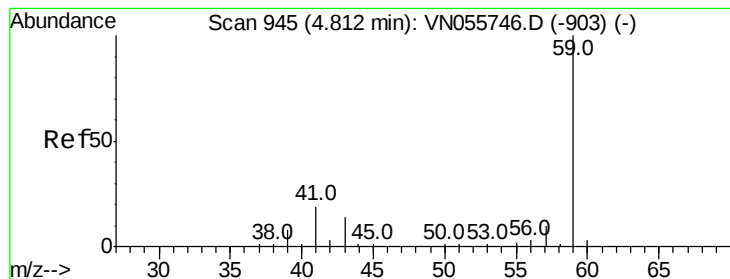
Delta R.T. -0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	142	Resp:	181794
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	13.8	11.4	17.0





#11

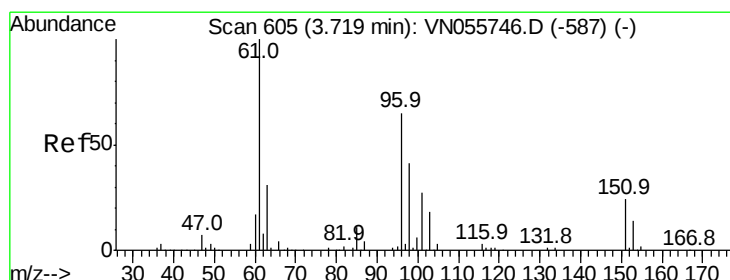
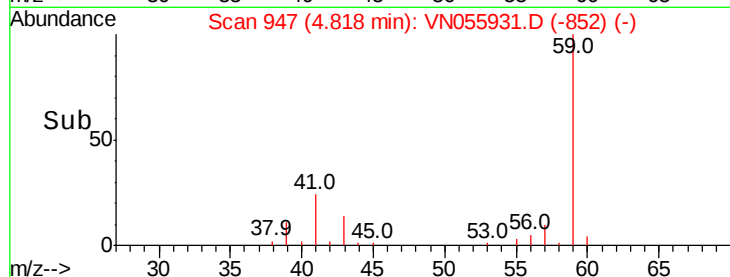
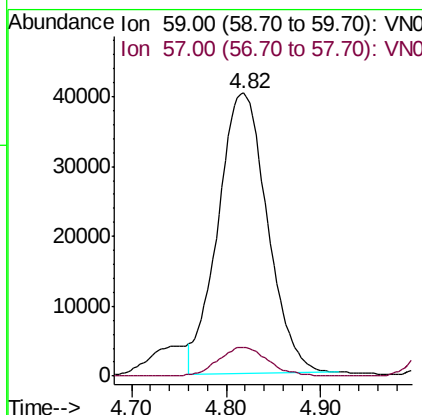
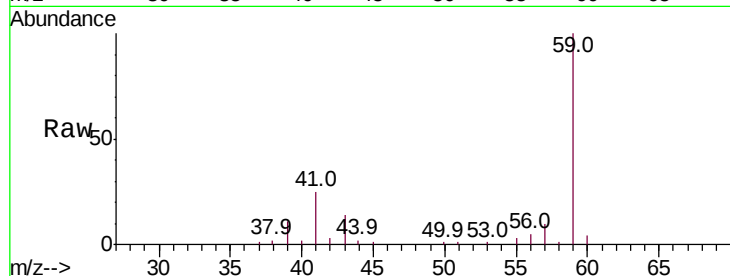
Tert butyl alcohol
 Concen: 248.493 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.6

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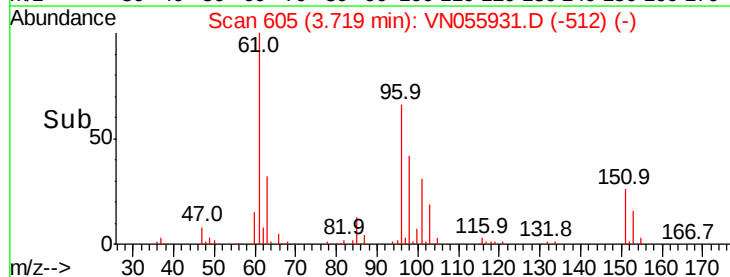
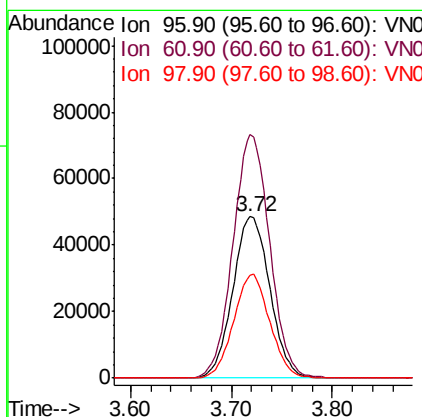
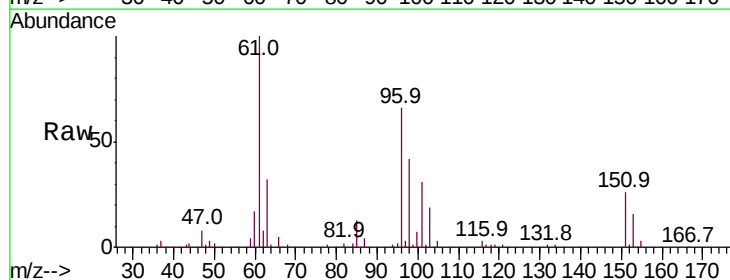
MMDadoda
 6/3/2019 4:12:20 PM

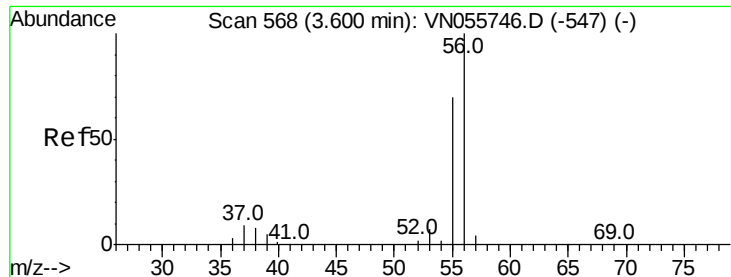


#12

1,1-Dichloroethene
 Concen: 48.869 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	123.2	184.8
98	63.6	50.4	75.6





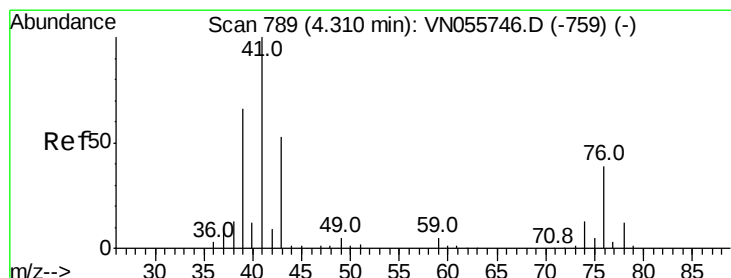
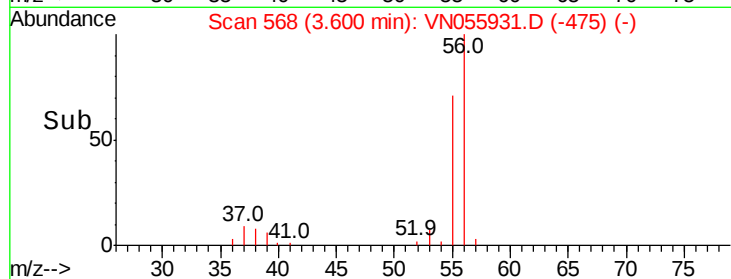
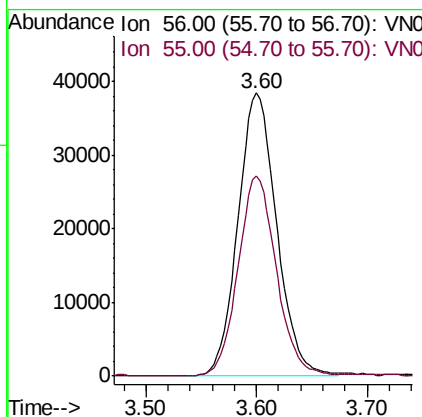
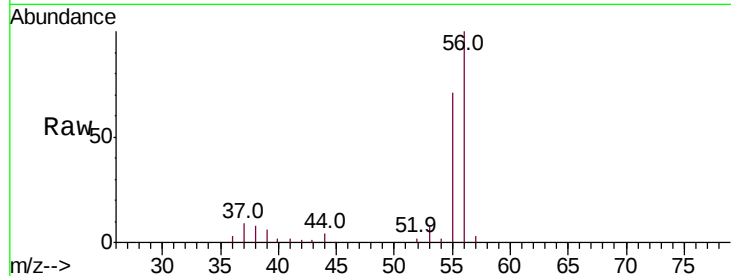
#13
 Acrolein
 Concen: 221.683 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	93348
Ion Ratio	Lower	Upper	
56	100		
55	70.2	55.4	83.2

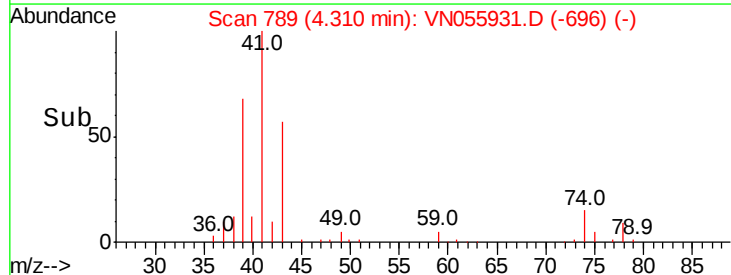
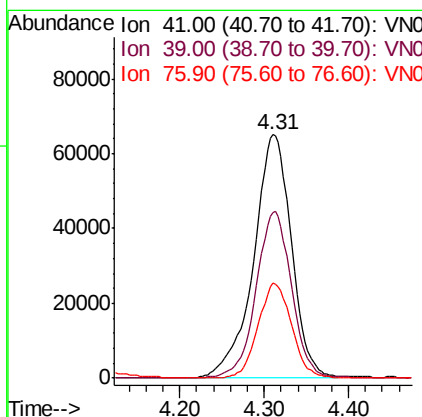
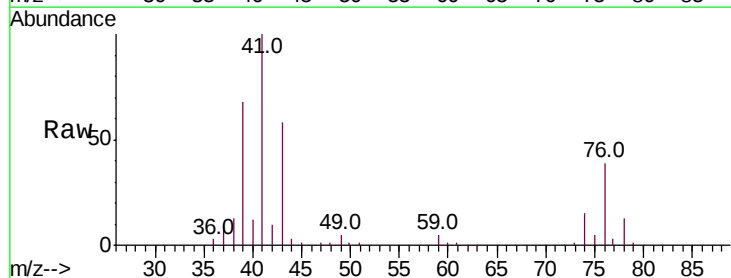
Manual Integrations
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#14
 Allyl chloride
 Concen: 46.731 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	41	Resp	203056
Ion Ratio	Lower	Upper	
41	100		
39	64.2	50.0	75.0
76	34.4	28.2	42.2





#15

Acrylonitrile

Concen: 273.491 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

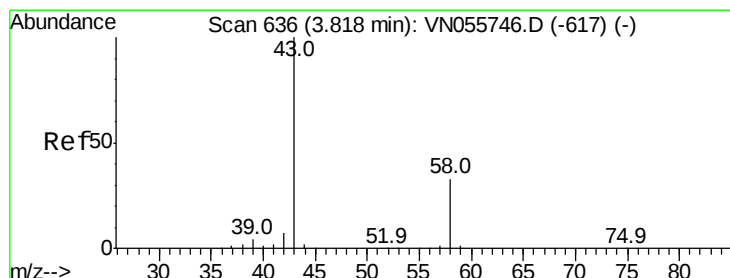
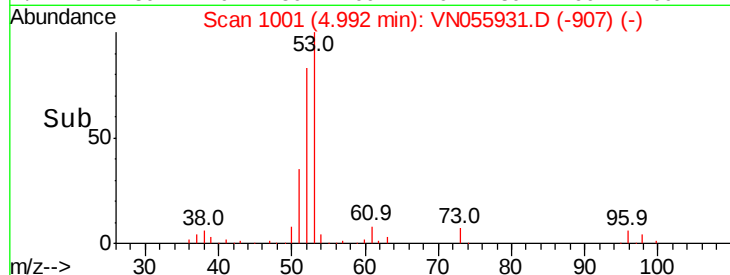
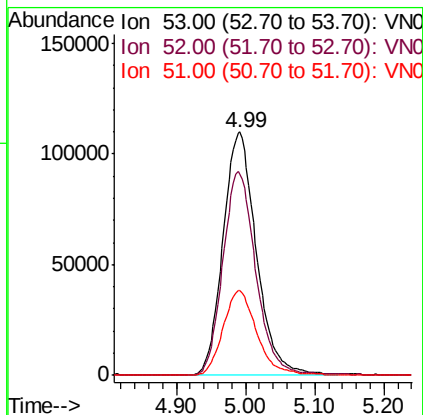
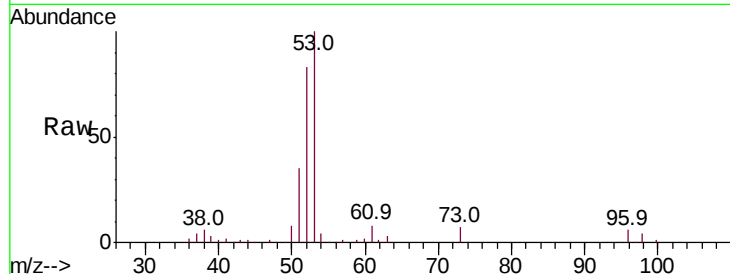
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	369316
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.8
51	35.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 236.304 ug/l

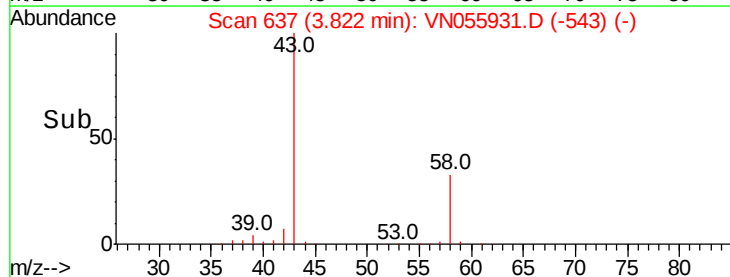
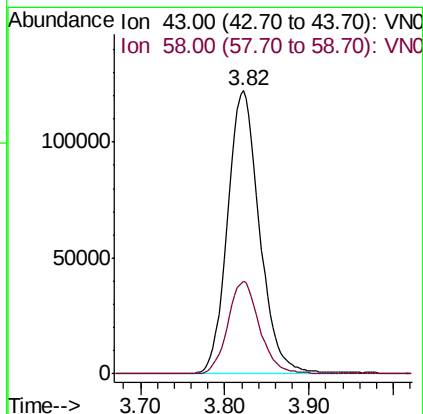
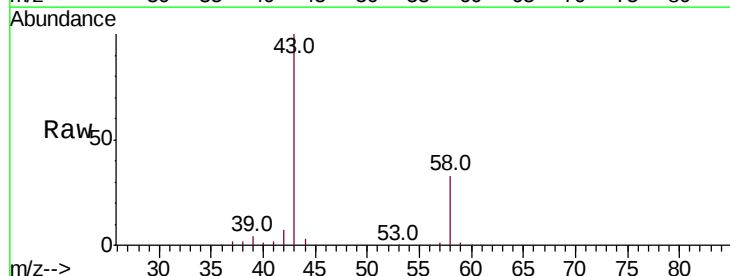
RT: 3.82 min Scan# 637

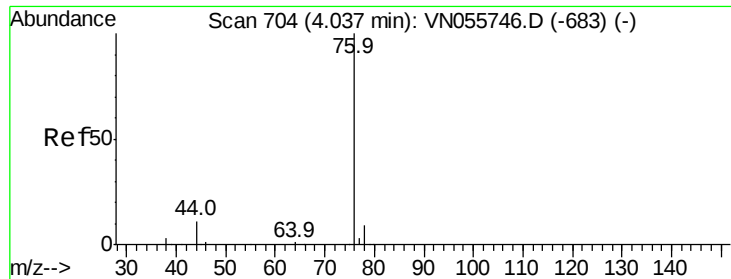
Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	43	Resp:	319711
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.6	39.8





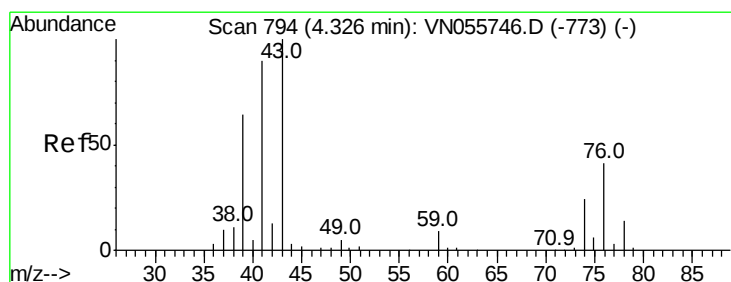
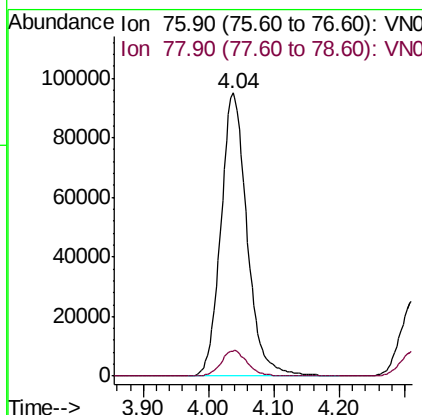
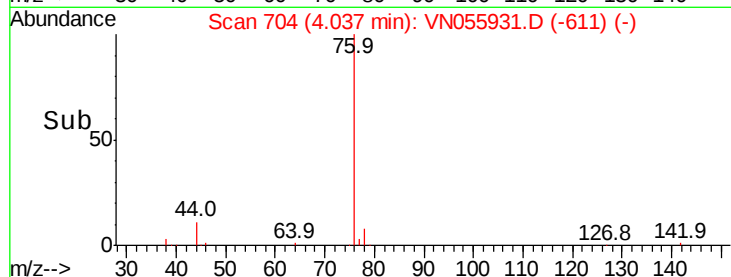
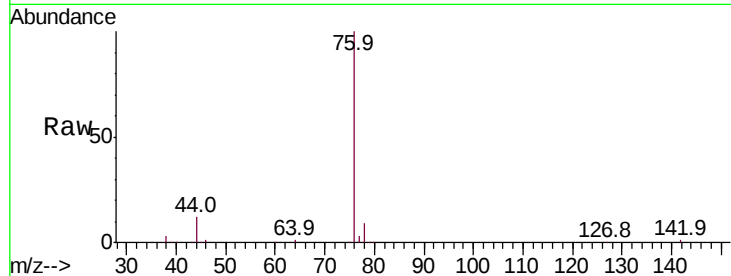
#17
Carbon Disulfide
Concen: 36.758 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

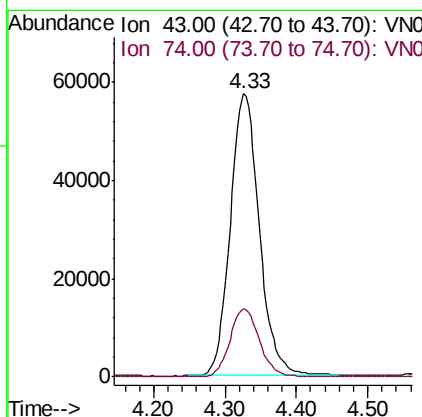
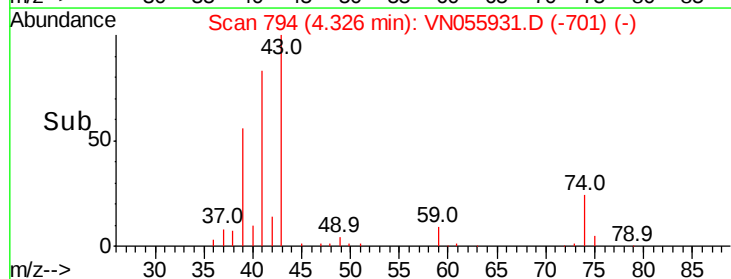
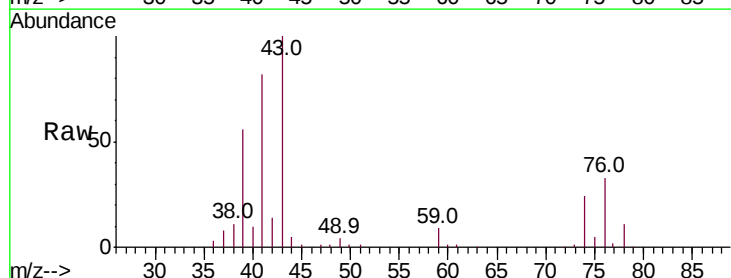
Manual Integrations
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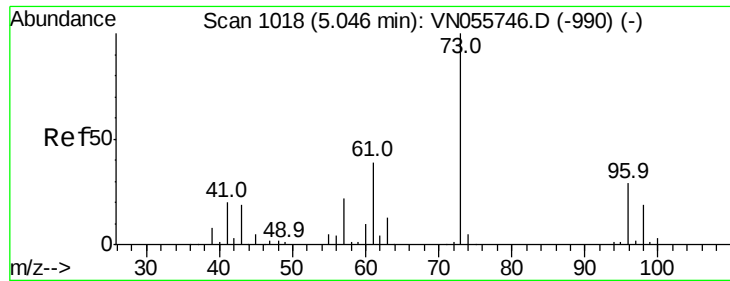
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#18
Methyl Acetate
Concen: 59.521 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.3	28.9





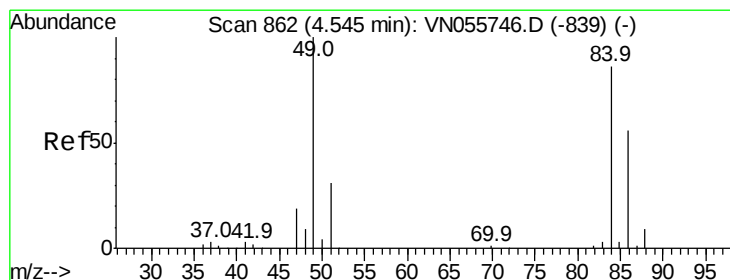
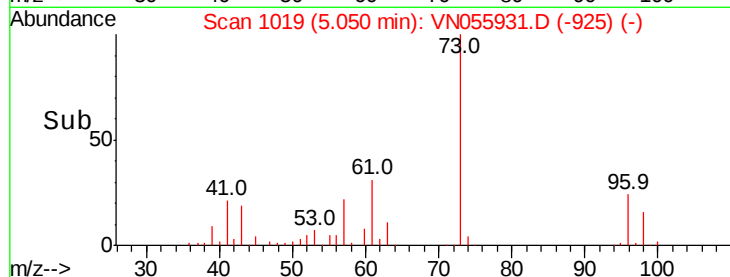
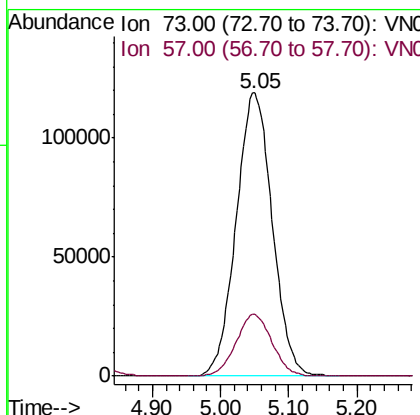
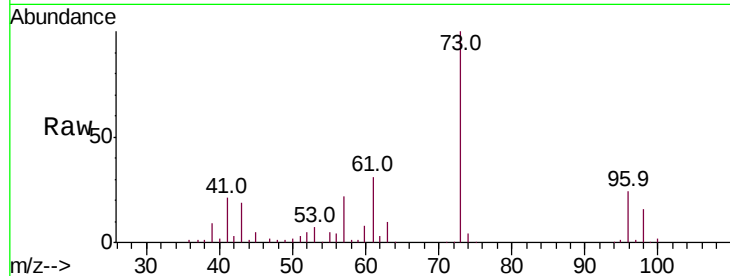
#19
Methyl tert-butyl Ether
Concen: 51.746 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 437441
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

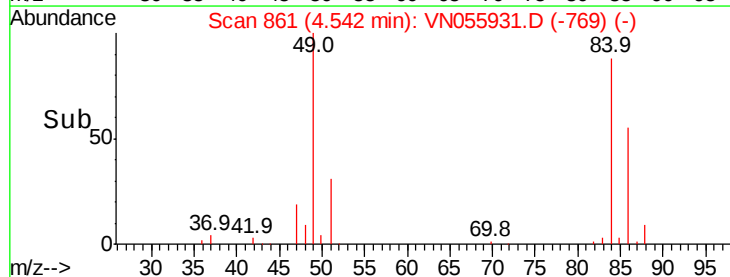
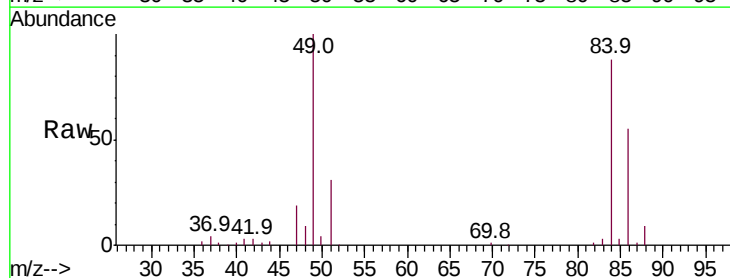
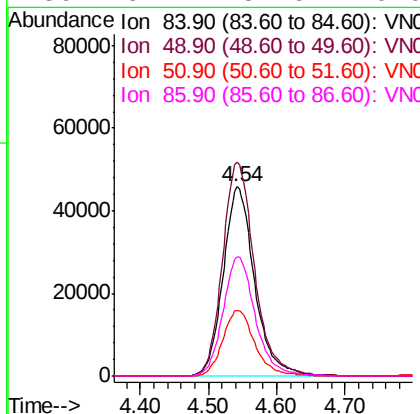
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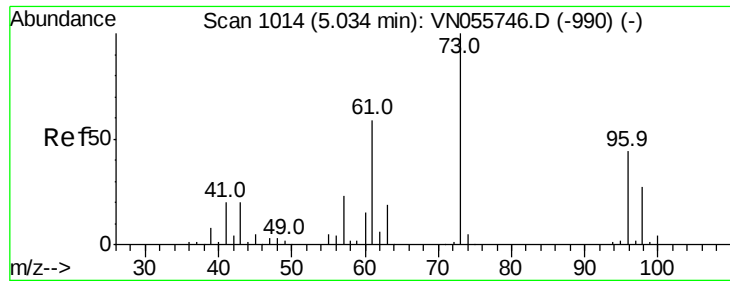
MMDadoda
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#20
Methylene Chloride
Concen: 49.948 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 84 Resp: 146351
Ion Ratio Lower Upper
84 100
49 113.1 93.5 140.3
51 34.9 28.6 43.0
86 62.7 52.6 79.0





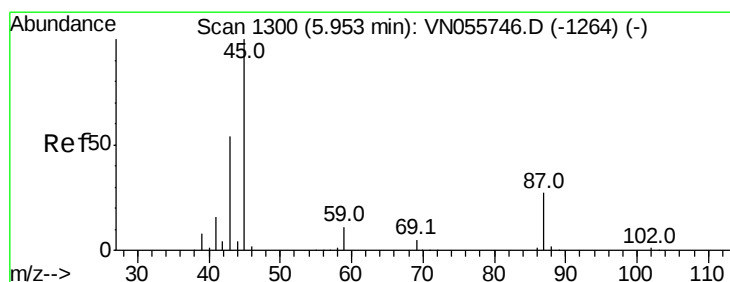
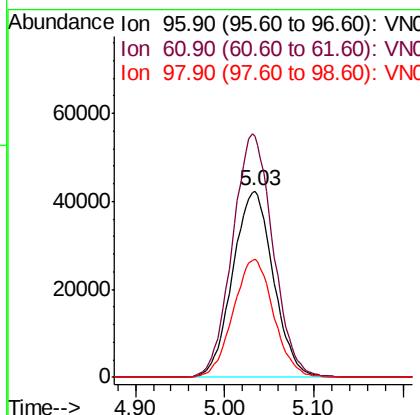
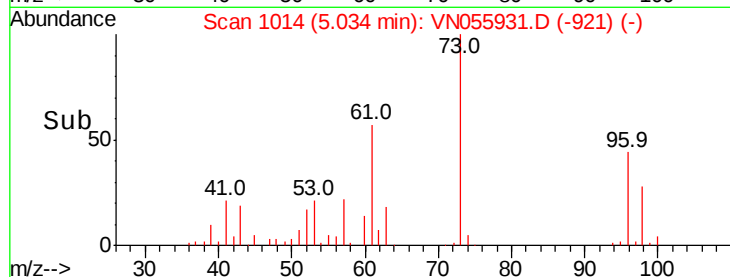
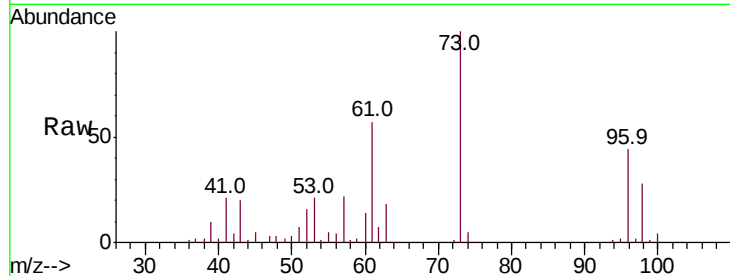
#21
trans-1,2-Dichloroethene
Concen: 49.323 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	107.8	161.8
98	63.2	49.8	74.8

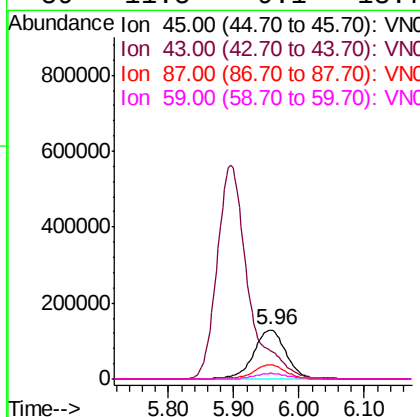
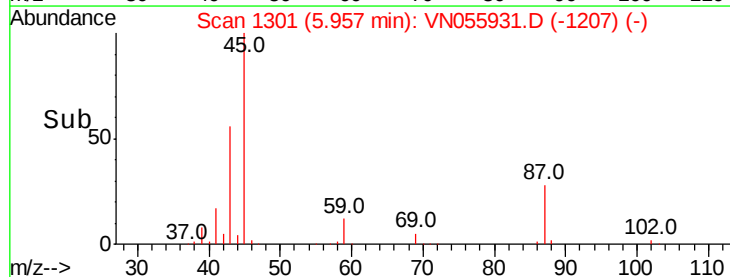
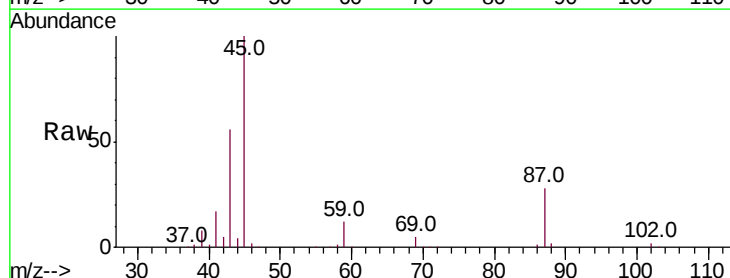
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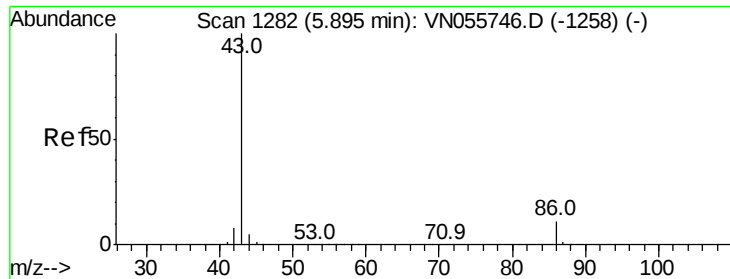
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#22
Diisopropyl ether
Concen: 52.799 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.4	45.0	67.6
87	28.0	22.2	33.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 256.080 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

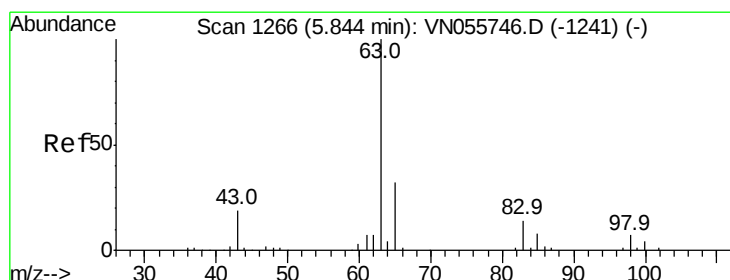
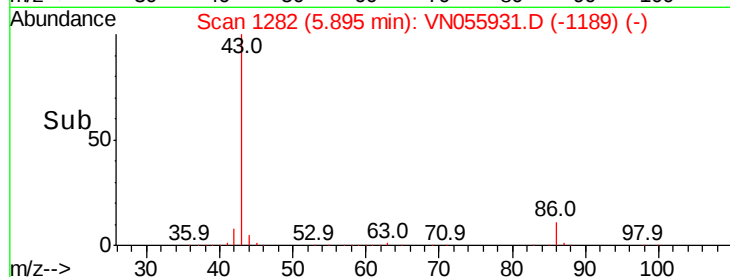
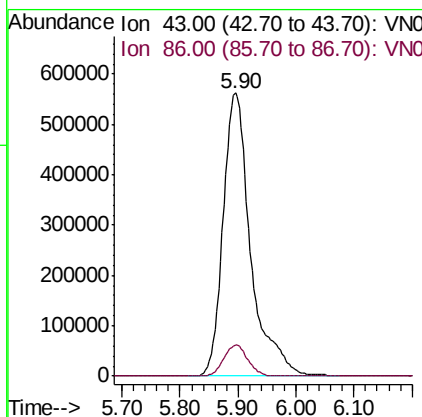
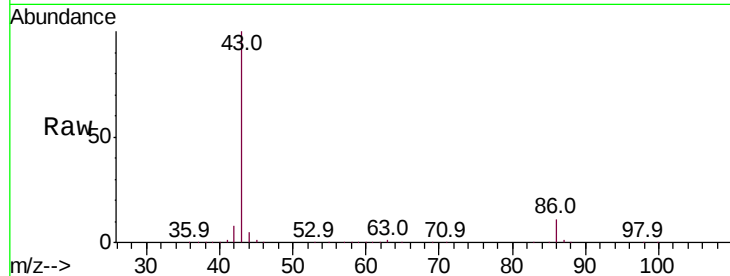
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1855568

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	13.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.546 ug/l

RT: 5.84 min Scan# 1266

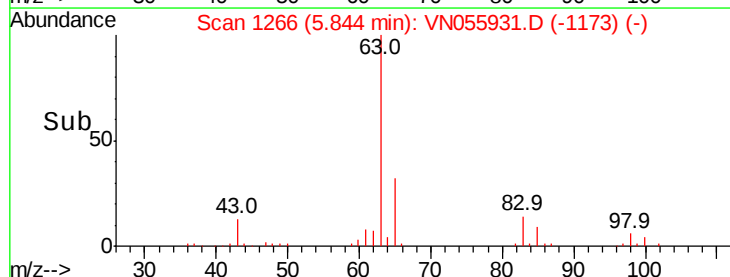
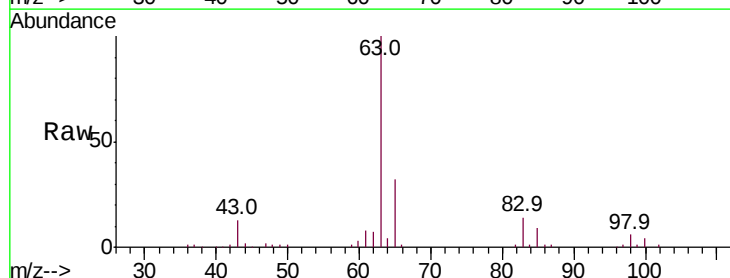
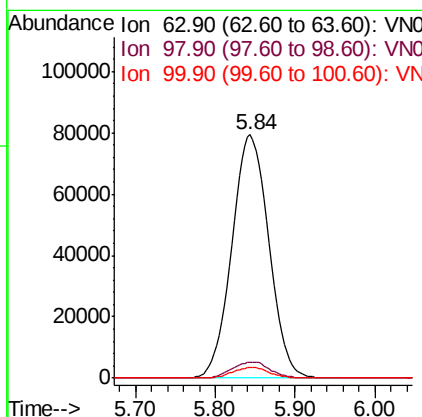
Delta R.T. 0.00 min

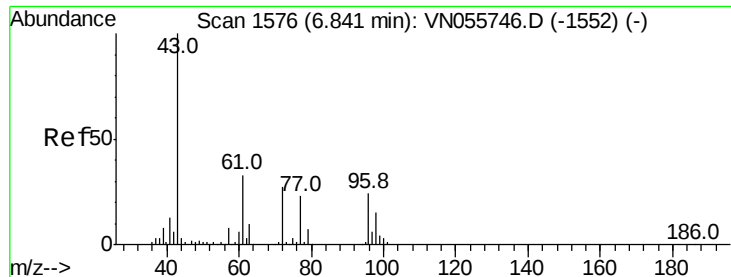
Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion: 63 Resp: 248719

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.4	2.2	6.6





#25

2-Butanone

Concen: 265.210 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 501120

Ion Ratio Lower Upper

43 100

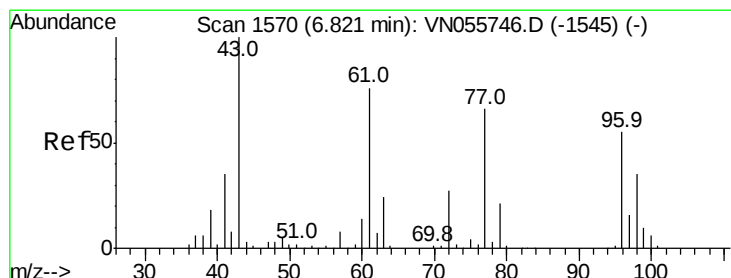
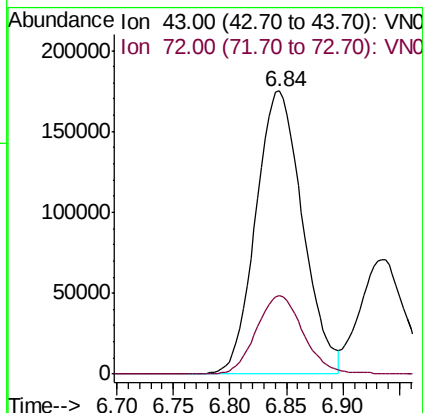
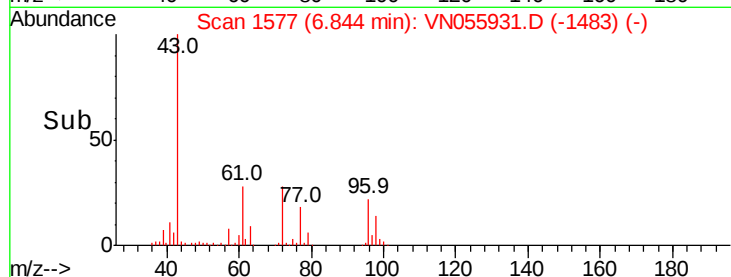
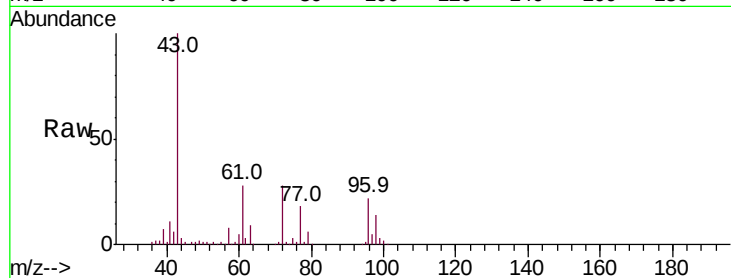
72 27.8 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.863 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055931.D

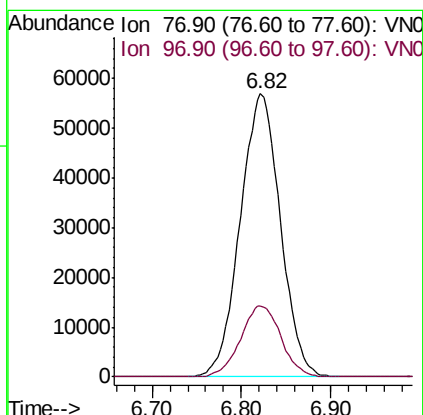
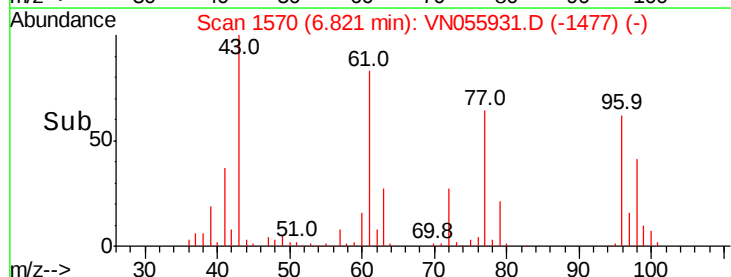
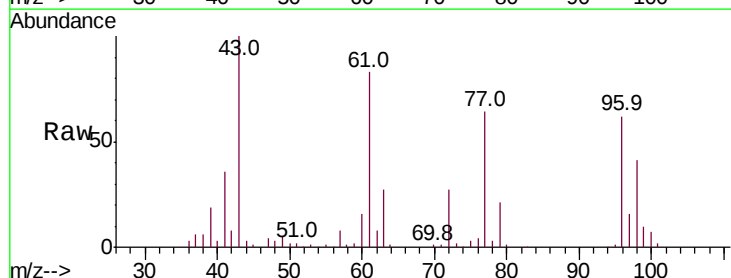
Acq: 31 May 2019 20:09

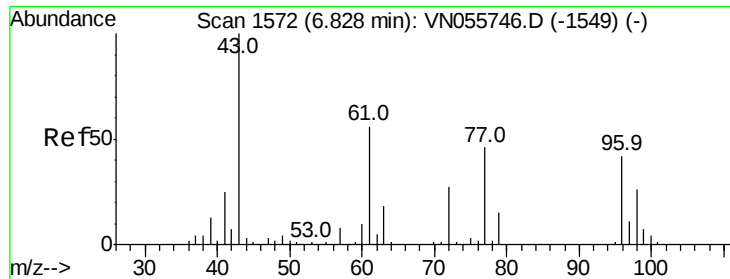
Tgt Ion: 77 Resp: 178275

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.397 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055931.D

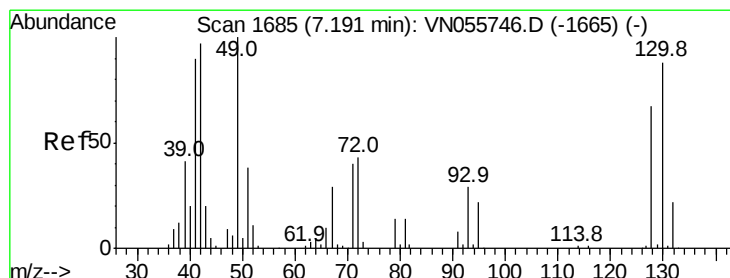
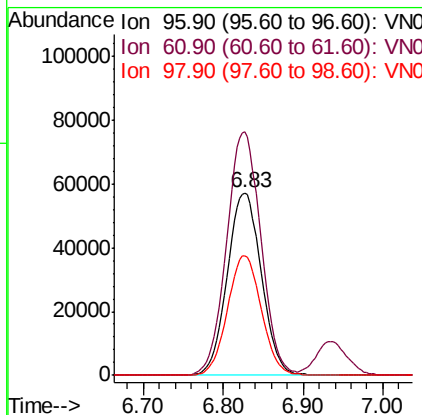
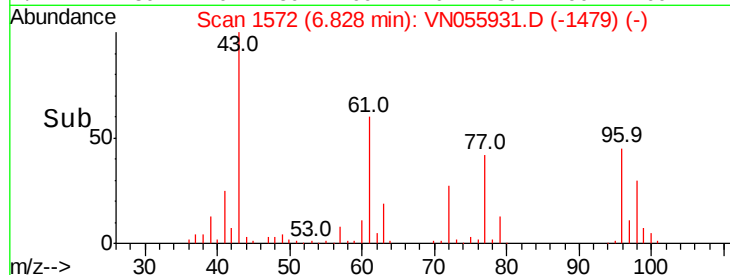
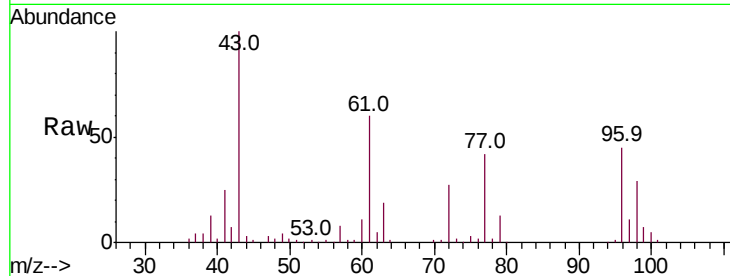
Acq: 31 May 2019 20:09

Tot Ion:	96	Resp:	166464
Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	275.8
98	64.8	0.0	128.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 51.716 ug/l

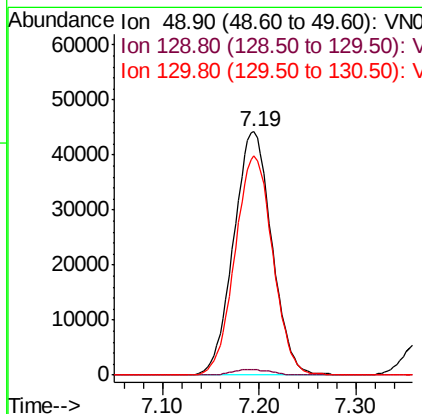
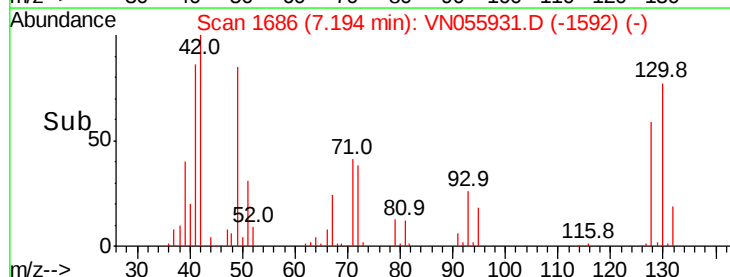
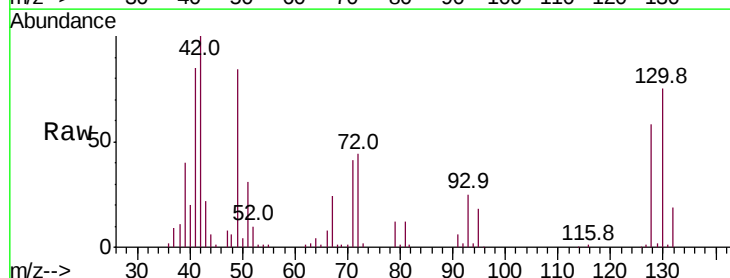
RT: 7.19 min Scan# 1686

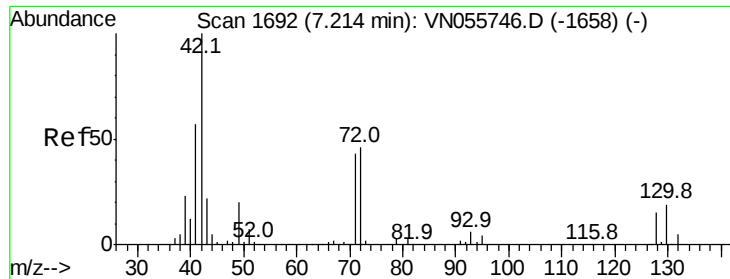
Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	49	Resp:	121160
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	89.1	71.2	106.8





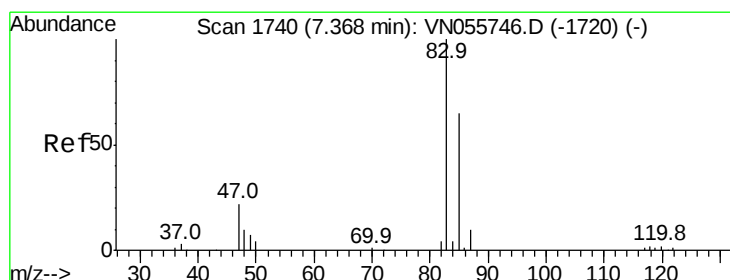
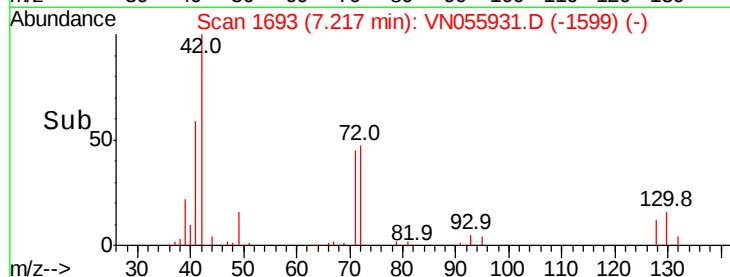
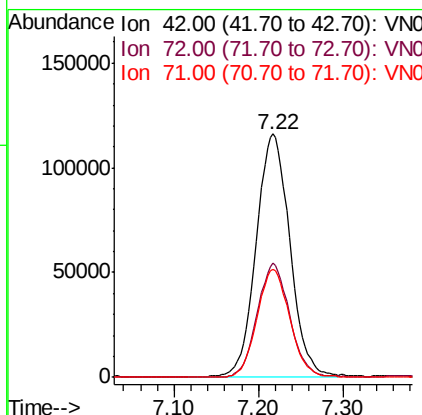
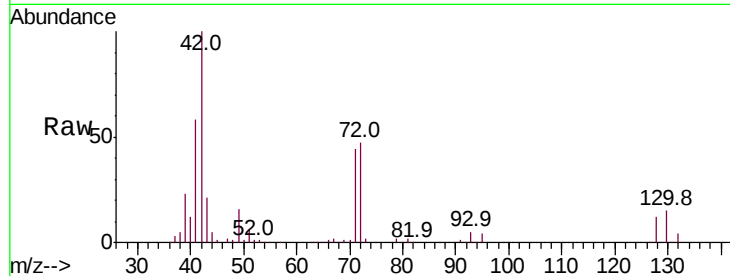
#29
Tetrahydrofuran
Concen: 270.299 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.9	53.9
71	43.2	34.0	51.0

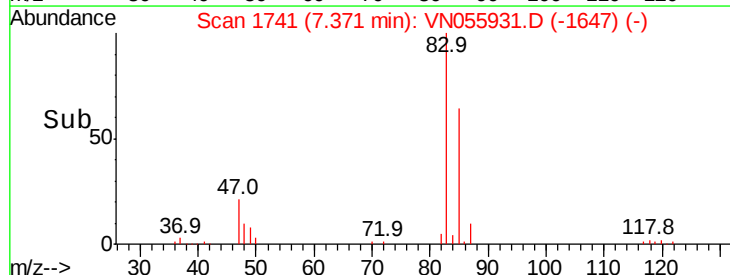
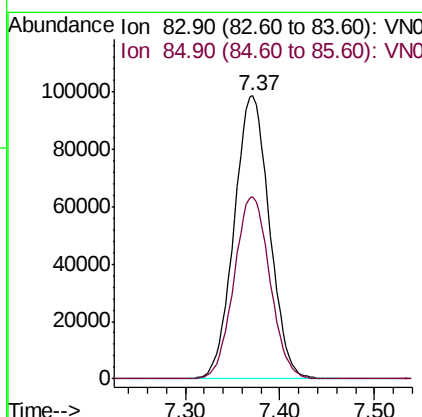
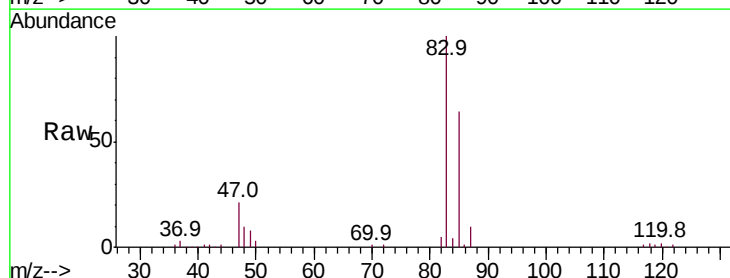
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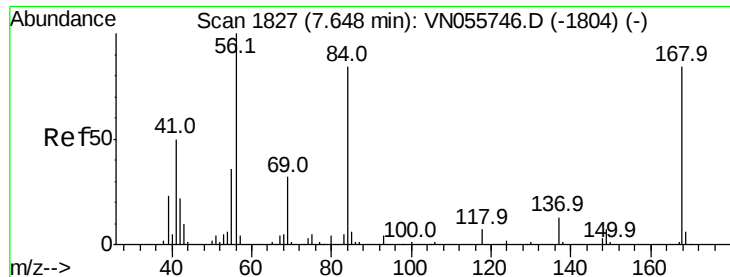
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#30
Chloroform
Concen: 52.195 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8





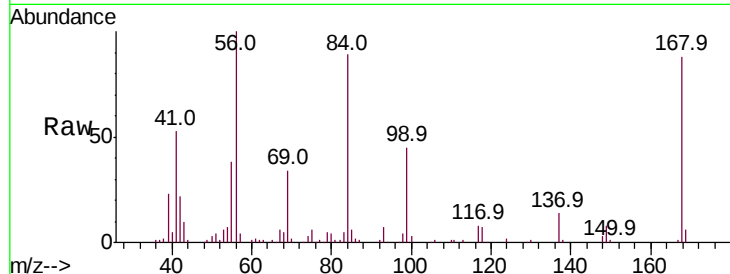
#31
Cyclohexane
Concen: 47.048 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.6	38.4
84	87.9	67.4	101.0

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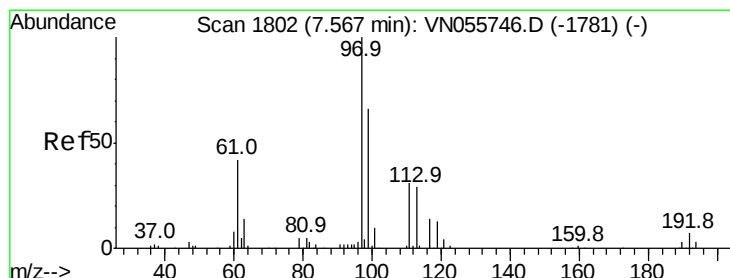
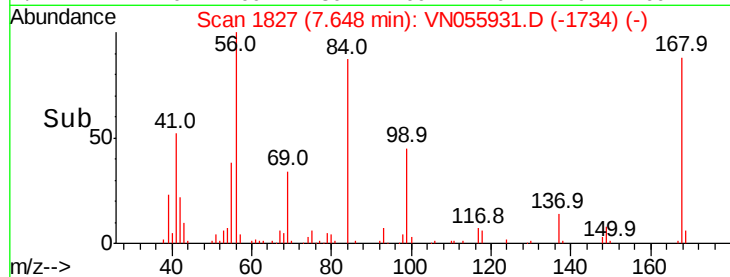
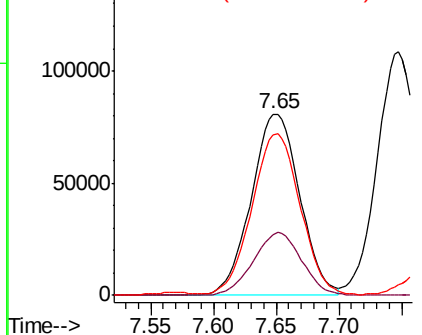


Abundance

Ion 56.00 (55.70 to 56.70): VNC

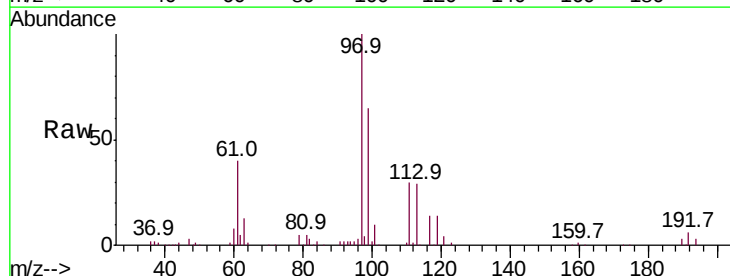
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 49.073 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	41.4	32.9	49.3

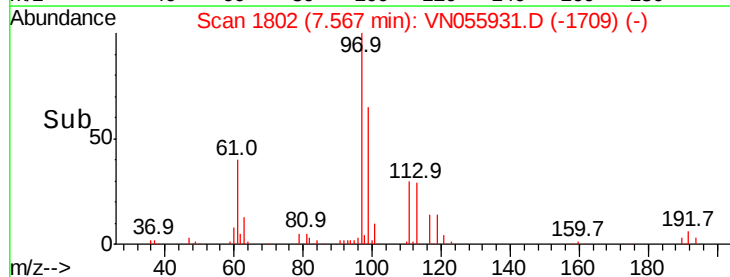
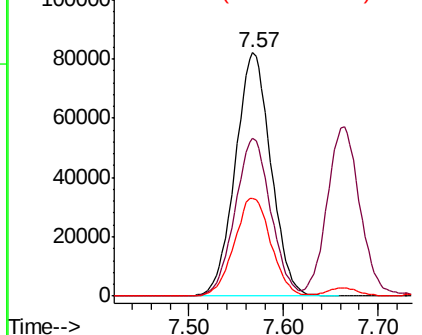


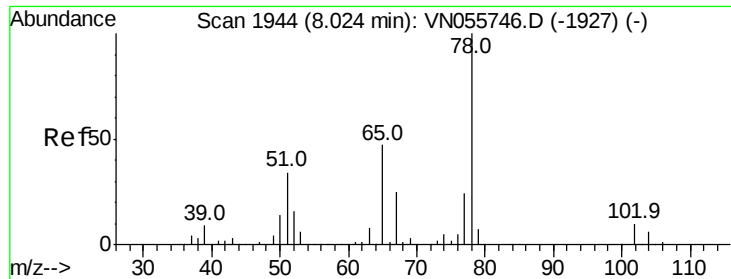
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





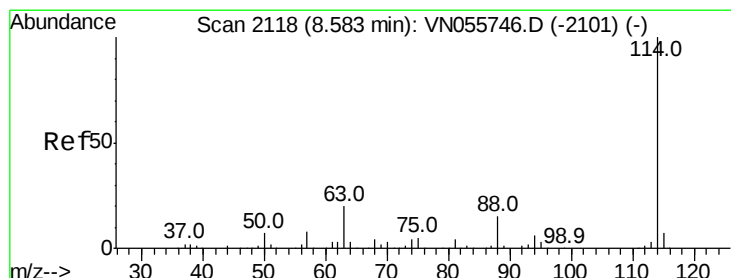
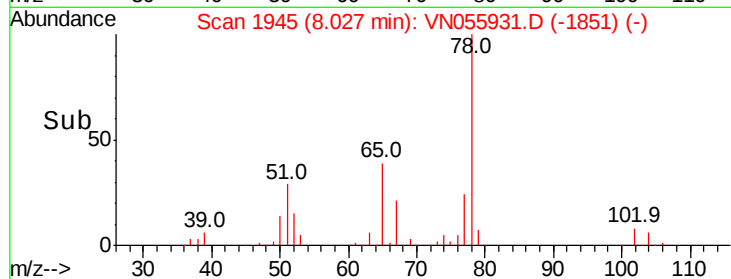
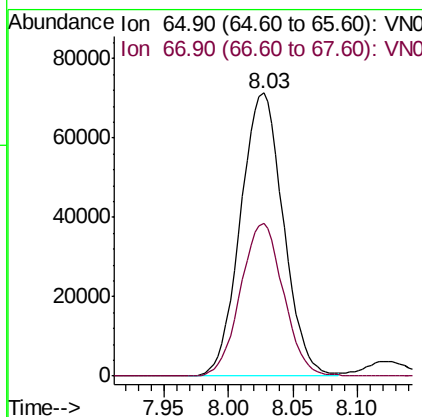
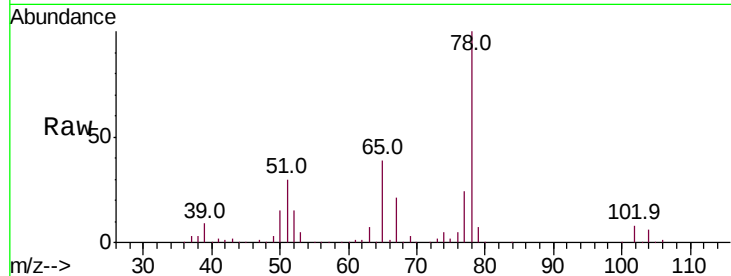
#33
 1,2-Dichloroethane-d4
 Concen: 53.699 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165279		
67	54.1	0.0	109.2	

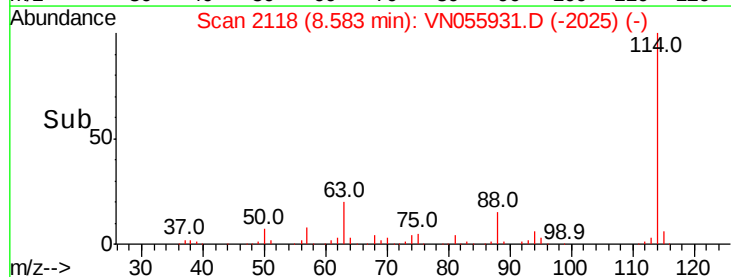
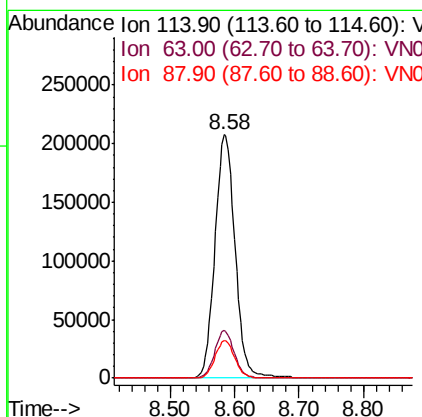
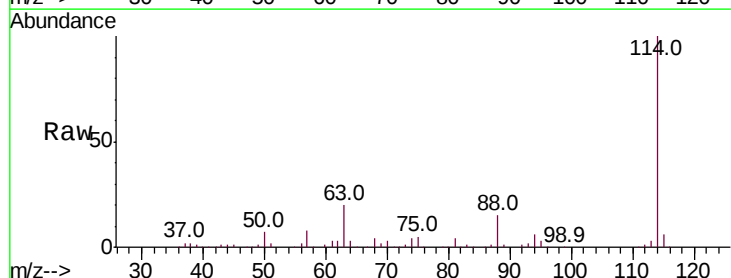
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450049		
63	19.8	0.0	39.2	
88	15.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.063 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

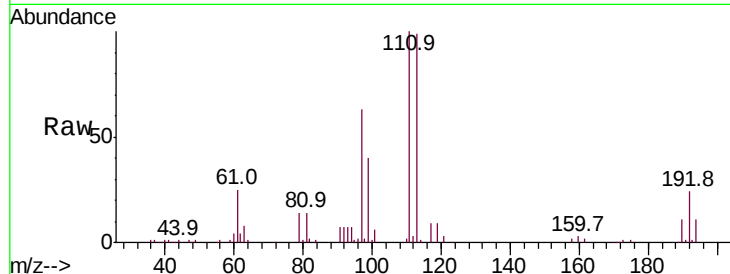
ClientSampleId :

VSTDCCC050EC

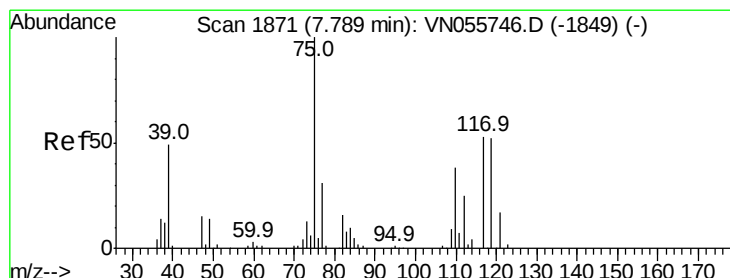
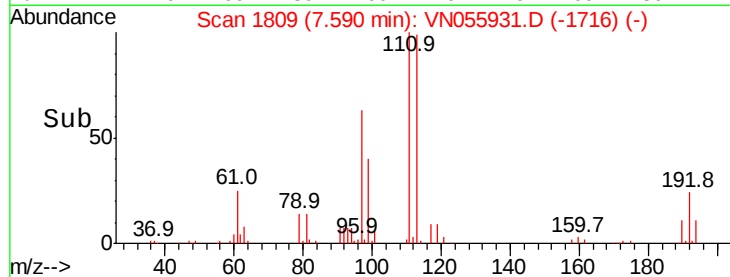
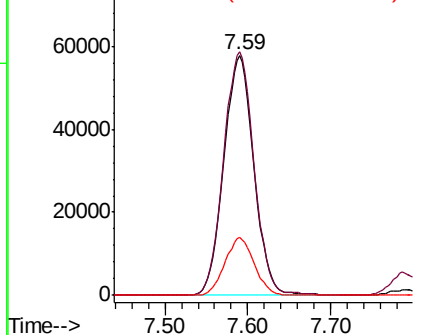
Tot Ion:	113	Resp:	145292
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.9	122.9
192	23.4	19.5	29.3

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.429 ug/l

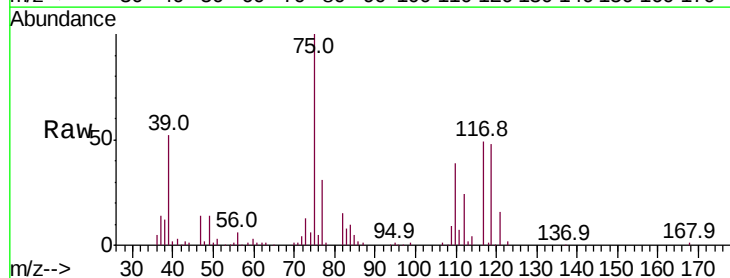
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

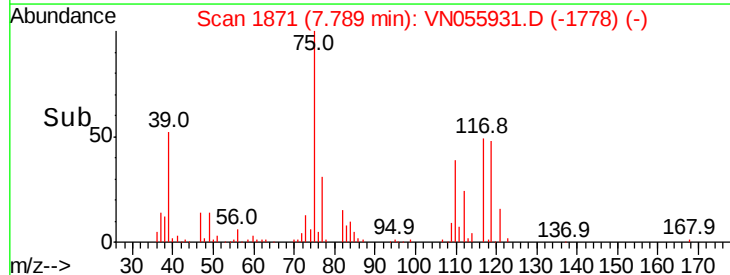
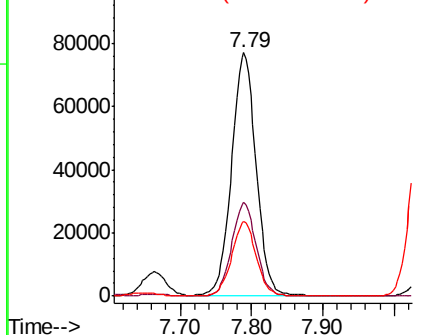
Lab File: VN055931.D

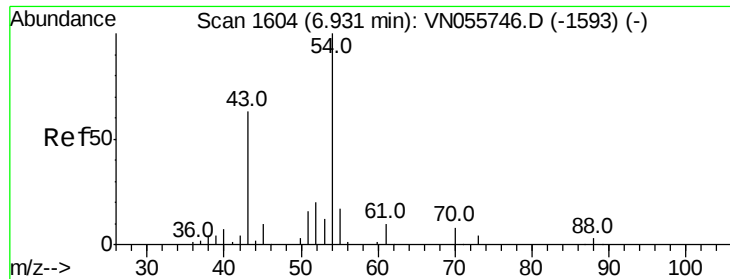
Acq: 31 May 2019 20:09

Tgt Ion:	75	Resp:	186014
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.0	57.0
77	30.5	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





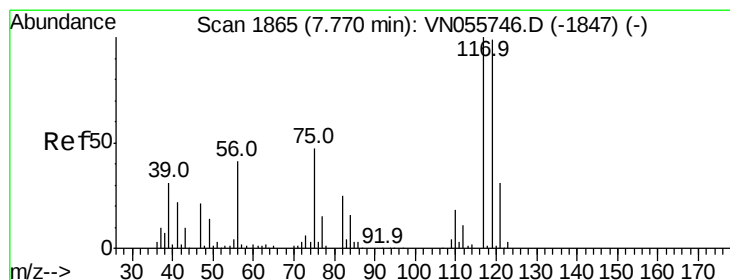
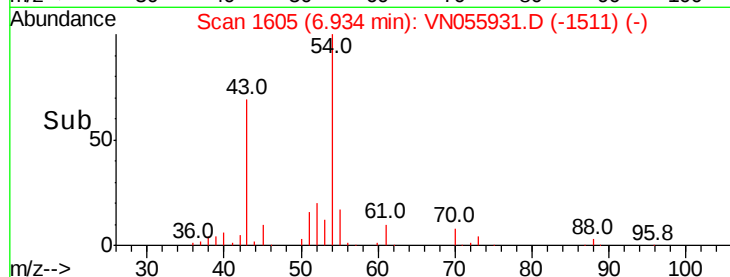
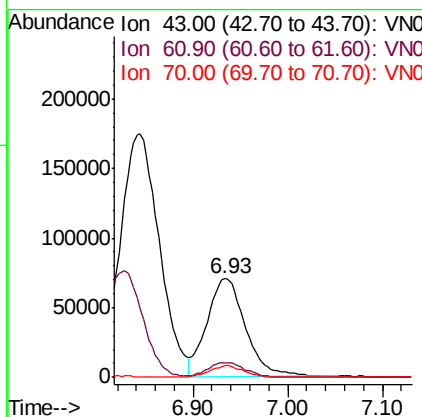
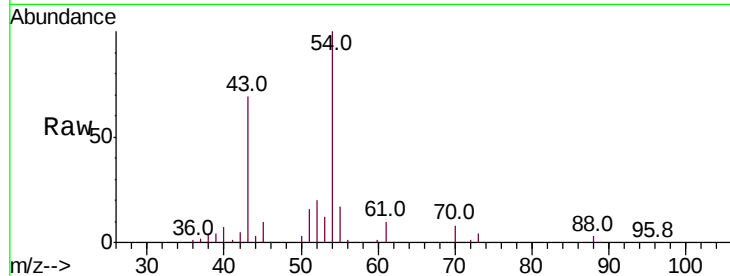
#37
Ethyl Acetate
Concen: 52.812 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	200188
Ion Ratio	100	Lower	Upper
61	14.3	12.2	18.2
70	10.7	8.9	13.3

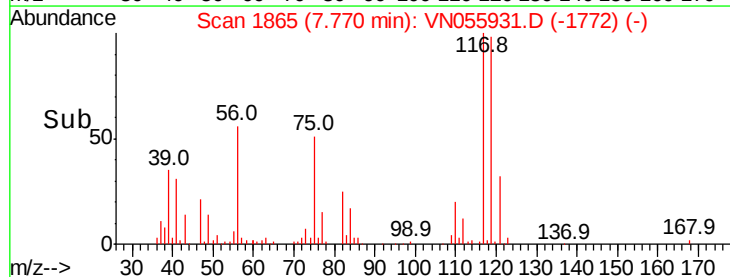
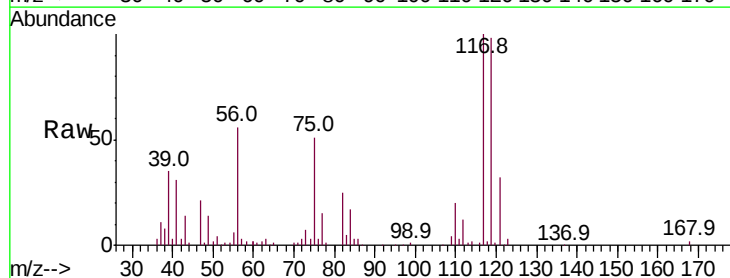
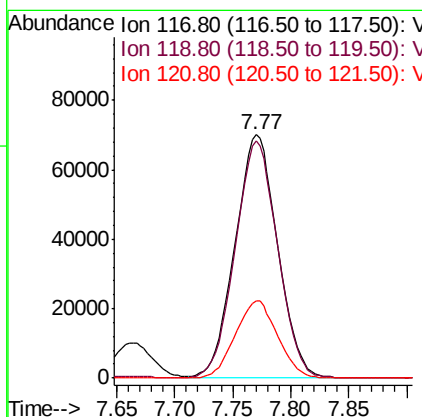
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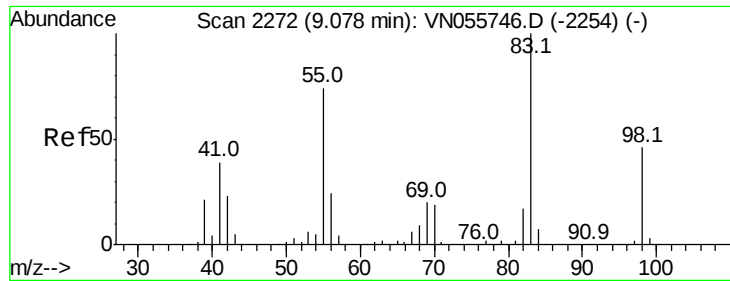
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#38
Carbon Tetrachloride
Concen: 43.452 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	117	Resp	177514
Ion Ratio	100	Lower	Upper
119	97.6	79.0	118.6
121	32.1	24.7	37.1





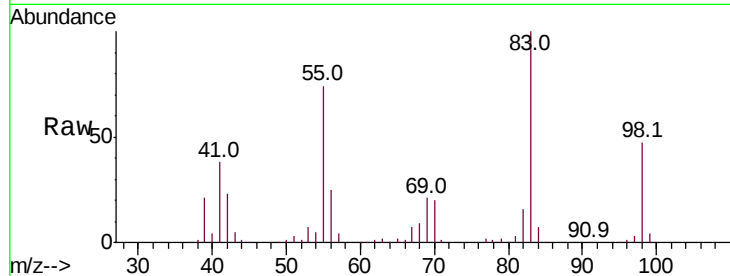
#39
Methvlcvclohexane
Concen: 44.616 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

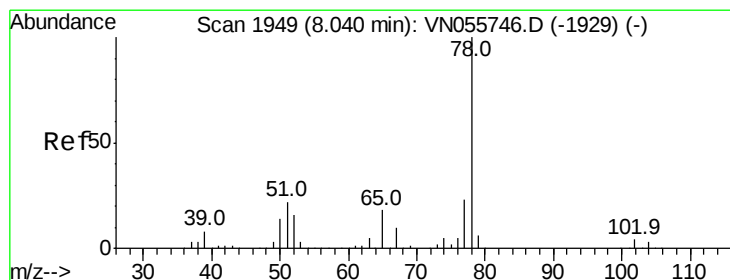
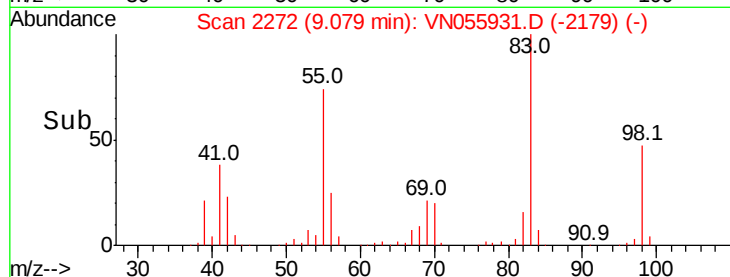
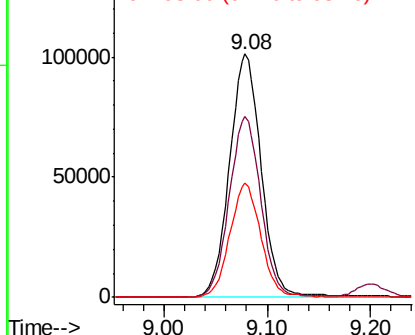
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	59.3	88.9
98	46.9	36.6	54.8

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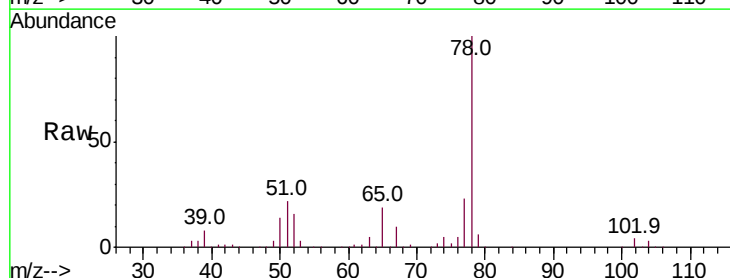


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

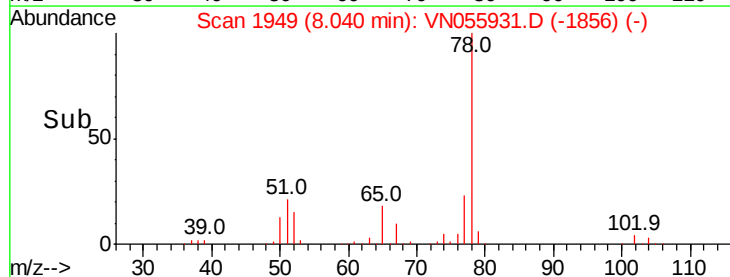
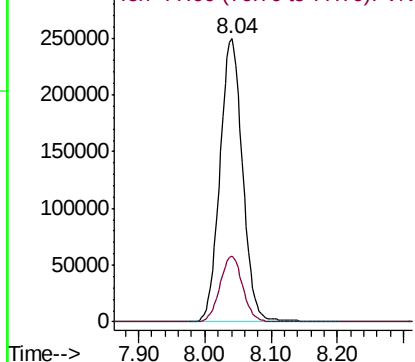


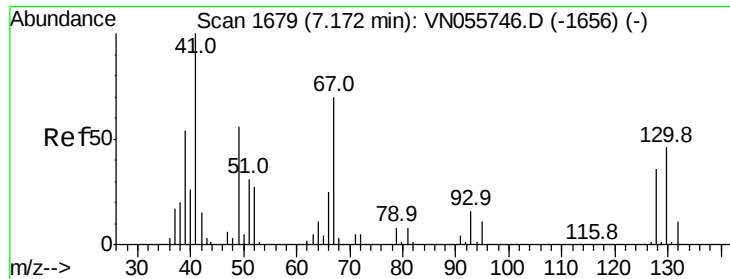
#40
Benzene
Concen: 50.091 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



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





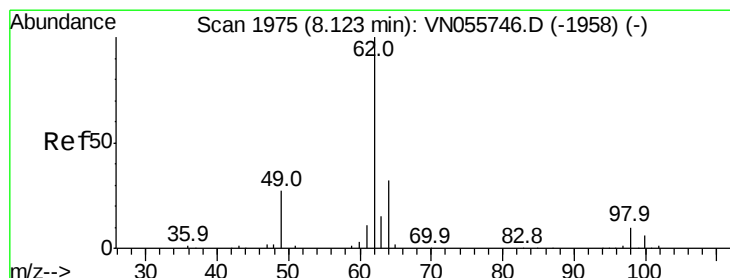
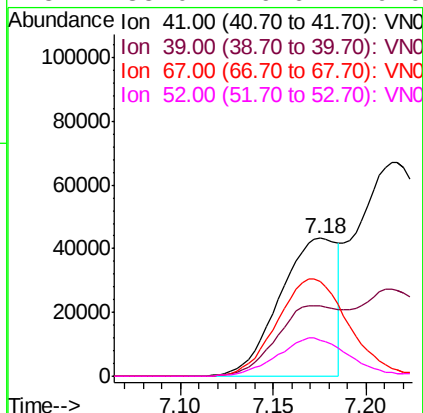
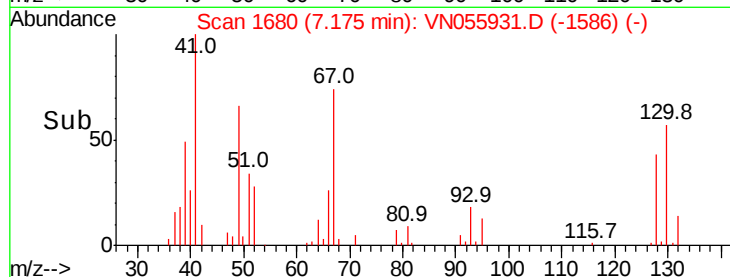
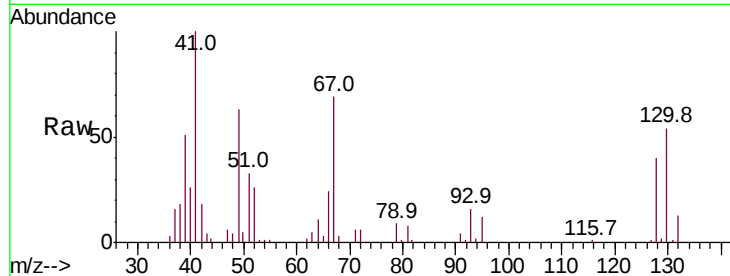
#41
Methacrylonitrile
Concen: 48.895 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	45.6	68.4	
67	88.5	67.7	101.5	
52	35.0	26.6	40.0	

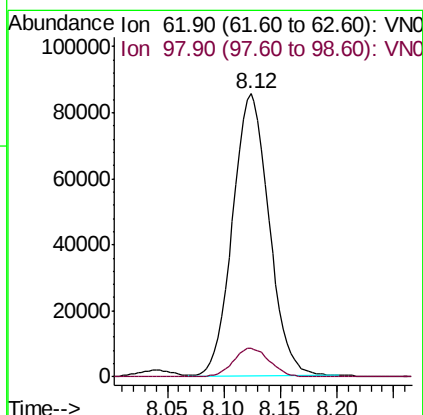
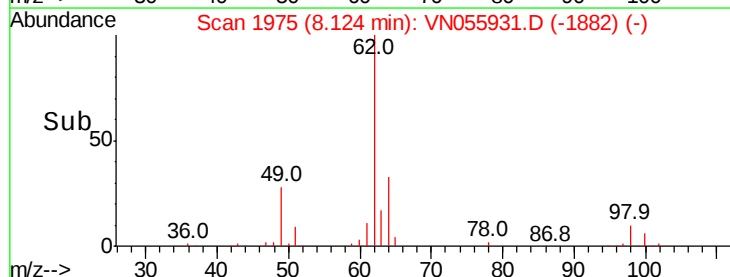
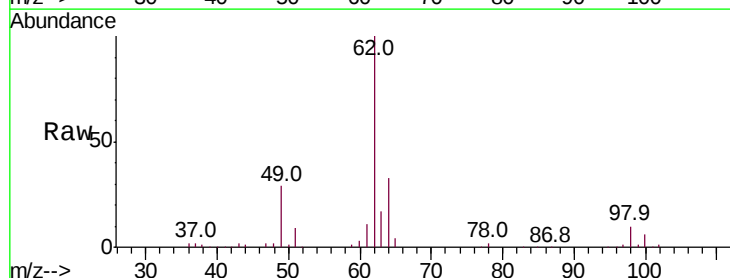
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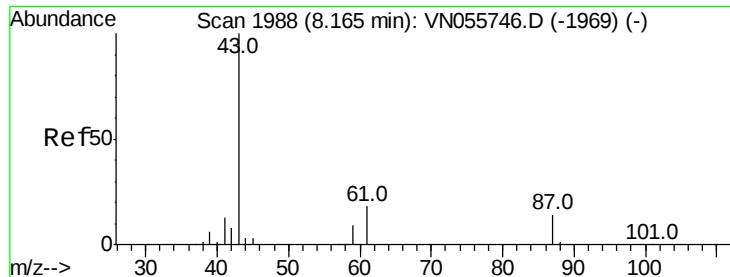
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.691 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 50.068 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

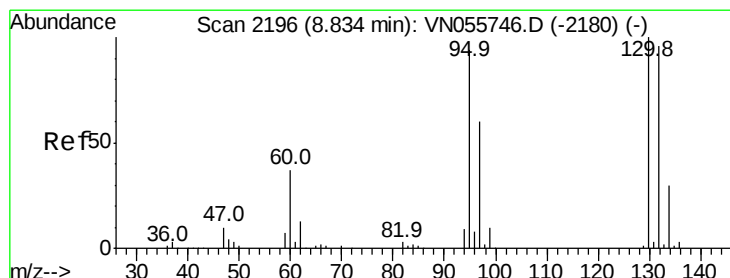
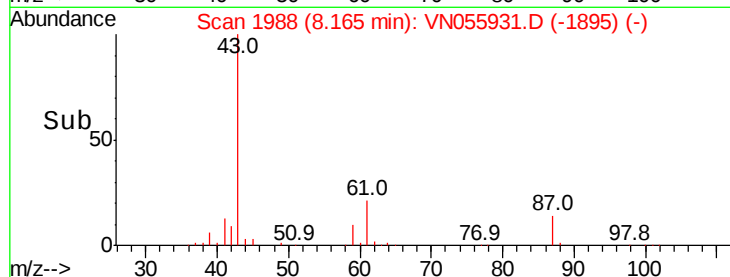
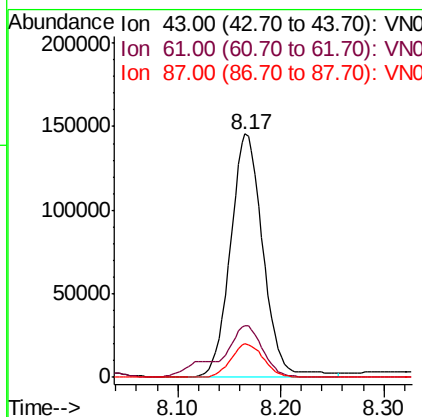
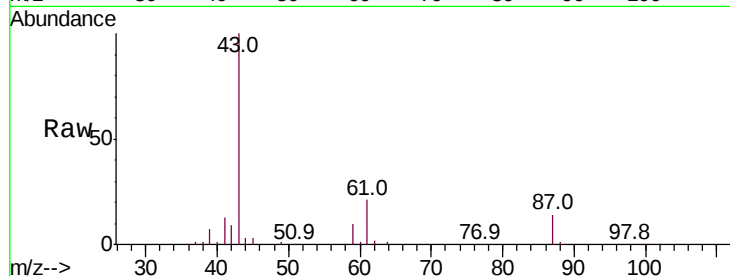
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	318878
Ion Ratio	Lower	Upper	
43	100		
61	21.3	22.2	33.4#
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 49.503 ug/l

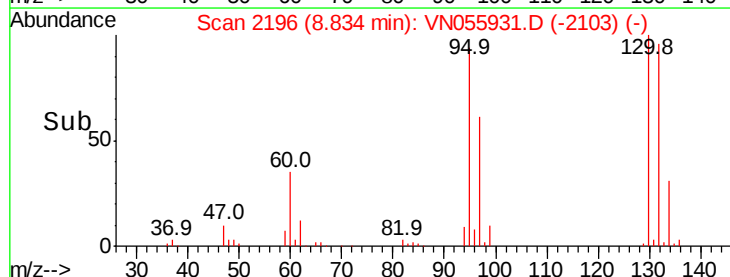
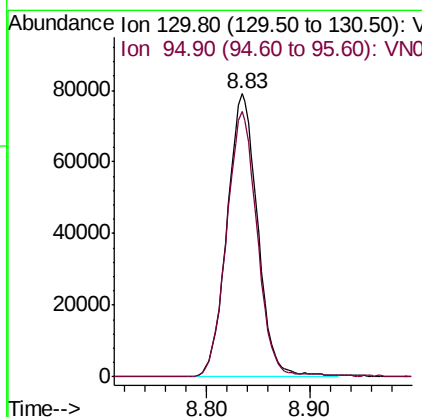
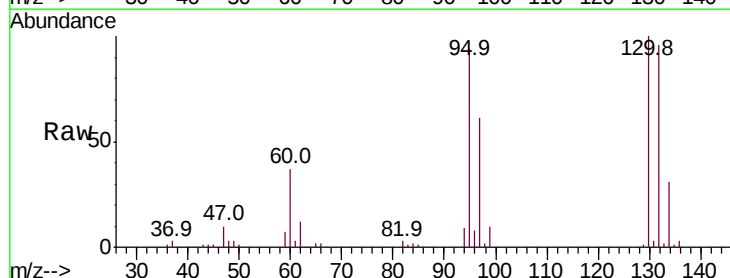
RT: 8.83 min Scan# 2196

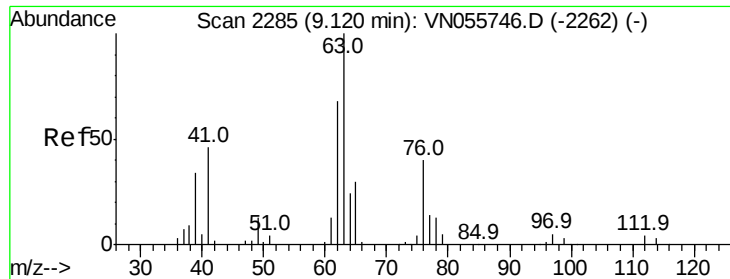
Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	130	Resp:	163125
Ion Ratio	Lower	Upper	
130	100		
95	93.8	0.0	188.0





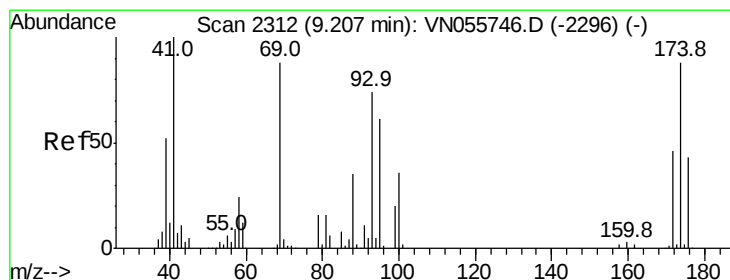
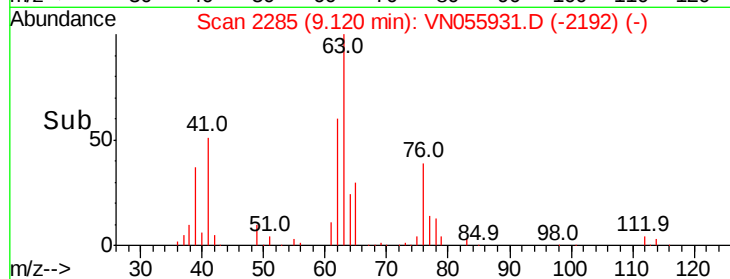
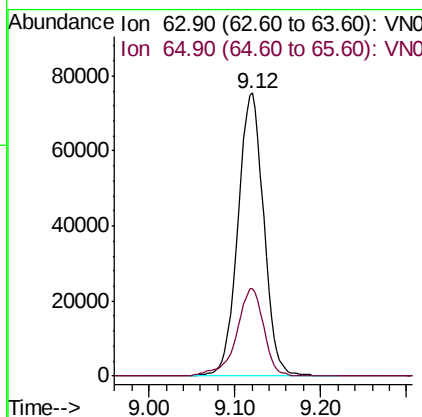
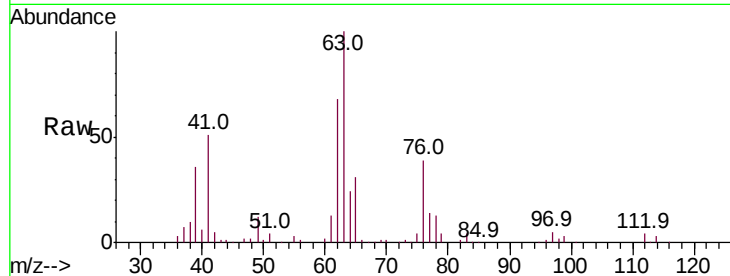
#45
 1,2-Dichloropropane
 Concen: 51.170 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

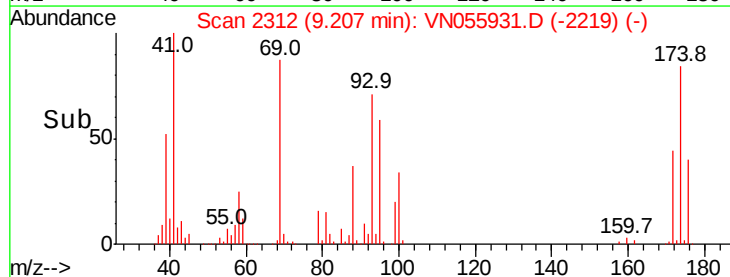
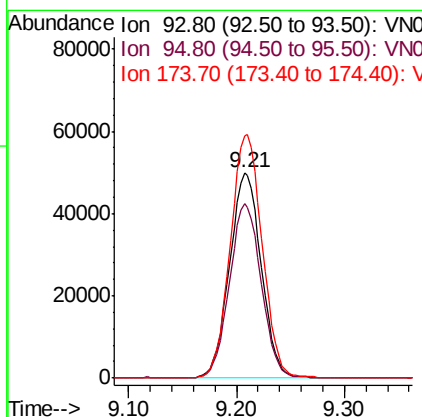
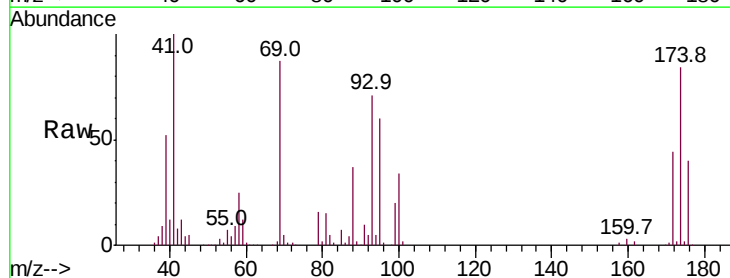
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#46
 Dibromomethane
 Concen: 50.630 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.7	100.1
174	119.4	96.4	144.6





#47

Bromodichloromethane

Concen: 46.862 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

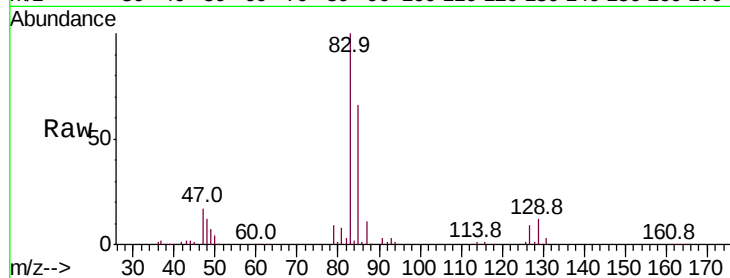
ClientSampleId :

VSTDCCC050EC

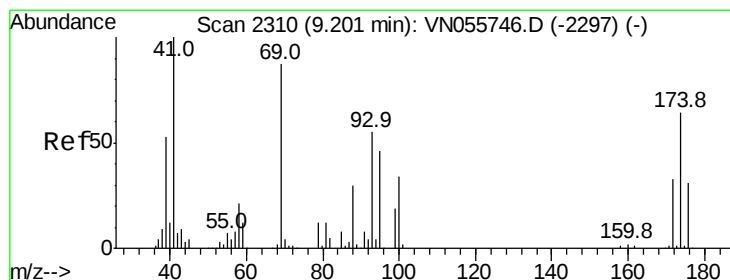
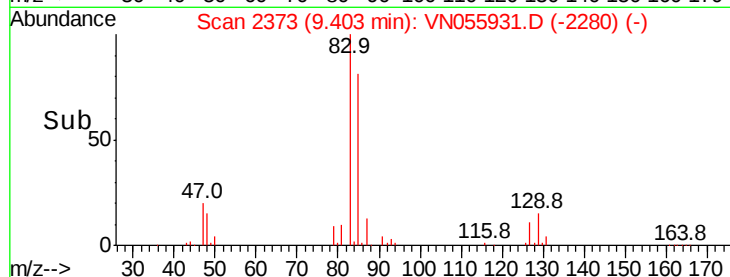
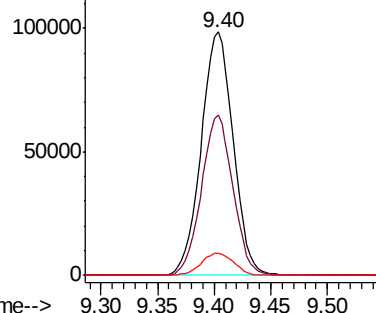
Tot Ion:	83	Resp:	194074
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.2
127	9.3	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055931.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.237 ug/l

RT: 9.20 min Scan# 2310

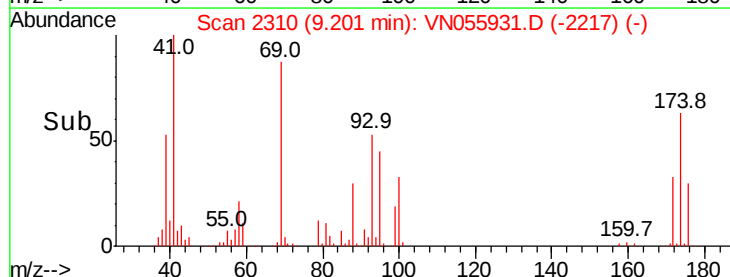
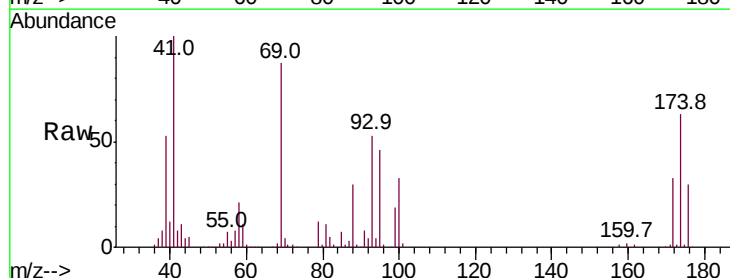
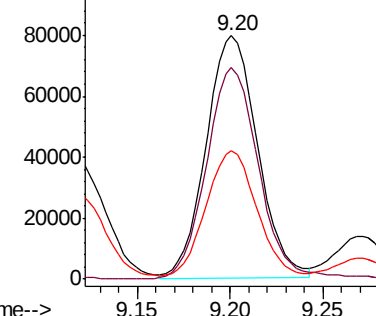
Delta R.T. 0.00 min

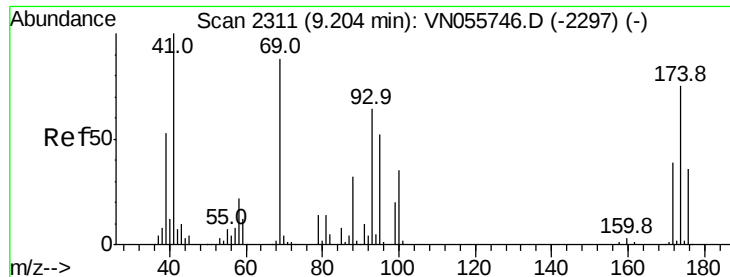
Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	41	Resp:	153330
Ion Ratio	Lower	Upper	
41	100		
69	88.9	71.0	106.6
39	53.0	44.2	66.2

Abundance Ion 41.00 (40.70 to 41.70): VN055931.D (-2217) (-)





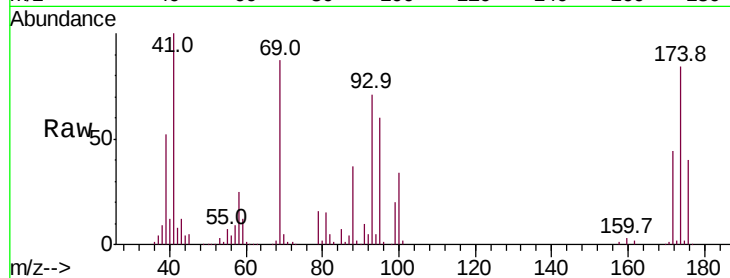
#49
1,4-Dioxane
Concen: 1044.705 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

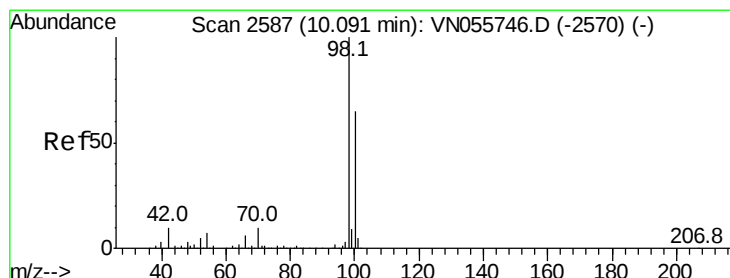
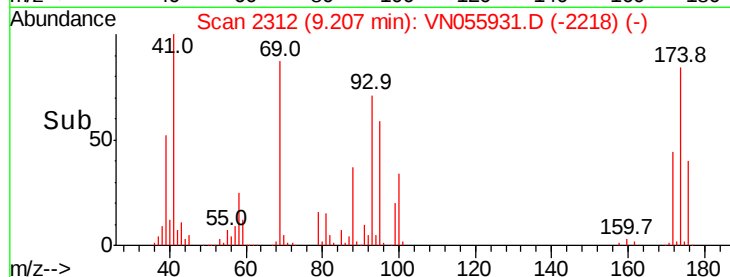
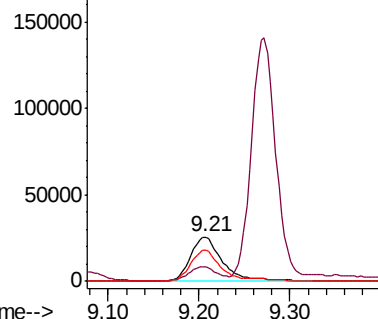
Tot Ion	88	Resp	63724
Ion	Ratio	Lower	Upper
88	100		
43	27.6	20.5	30.7
58	63.7	55.8	83.6

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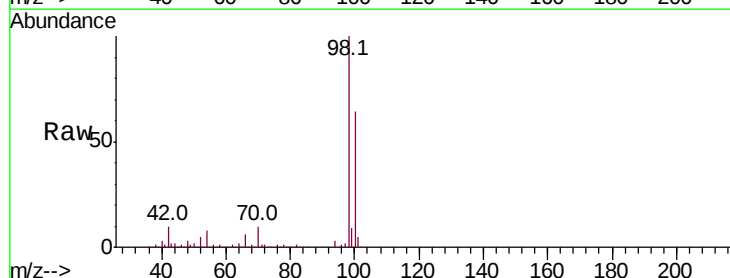


Abundance Ion 88.00 (87.70 to 88.70): VN055746.D (-2297) (-)
Ion 43.00 (42.70 to 43.70): VN055746.D (-2297) (-)
Ion 58.00 (57.70 to 58.70): VN055746.D (-2297) (-)

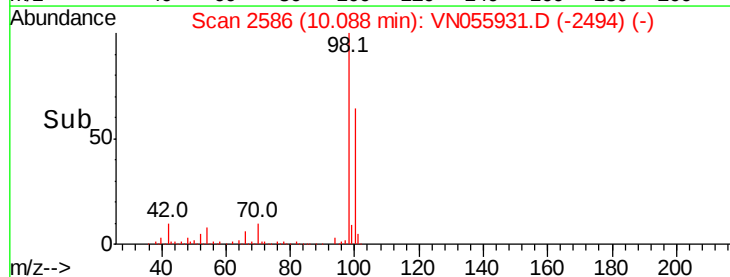
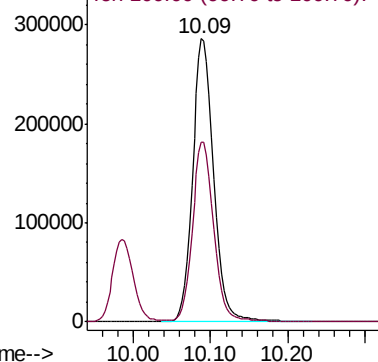


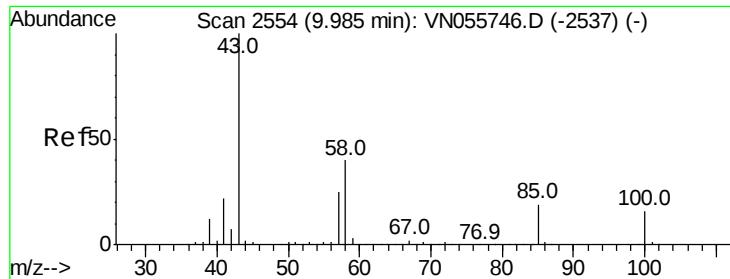
#50
Toluene-d8
Concen: 49.997 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	98	Resp	545697
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN055746.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 262.206 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 986279

Ion Ratio Lower Upper

43 100

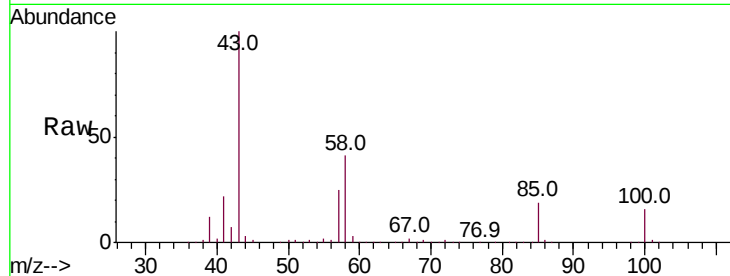
58 40.7 32.1 48.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

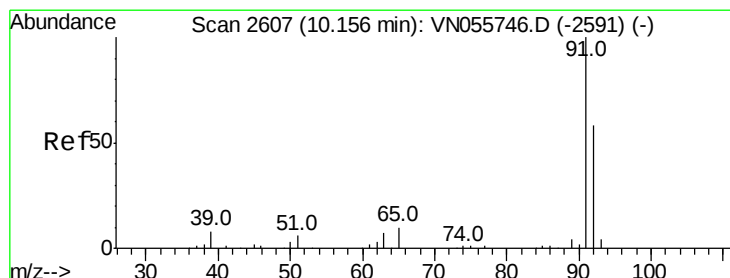
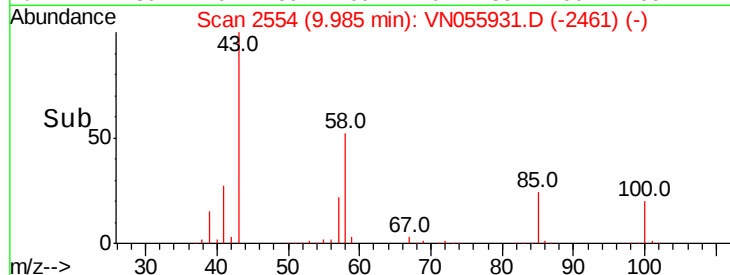
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.007 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055931.D

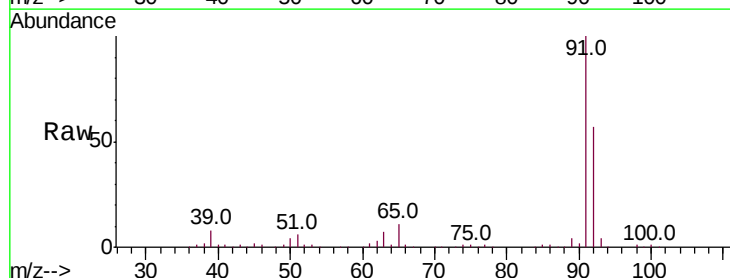
Acq: 31 May 2019 20:09

Tgt Ion: 92 Resp: 371751

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

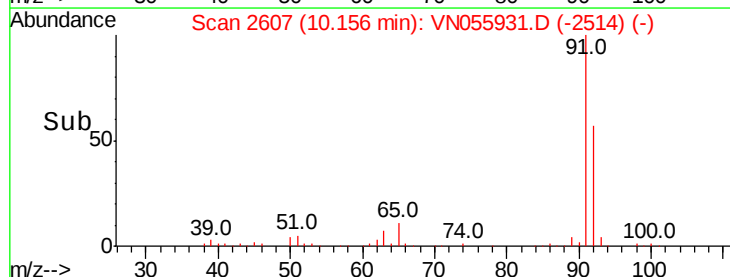
300000

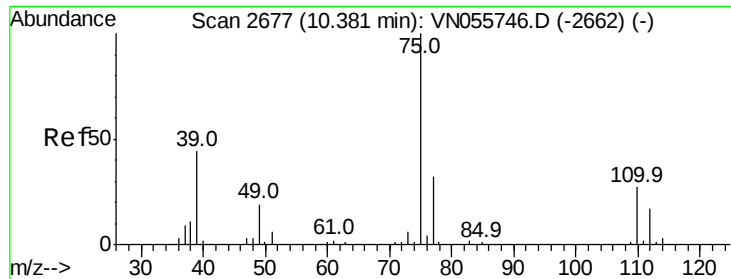
200000

100000

0

Time-->





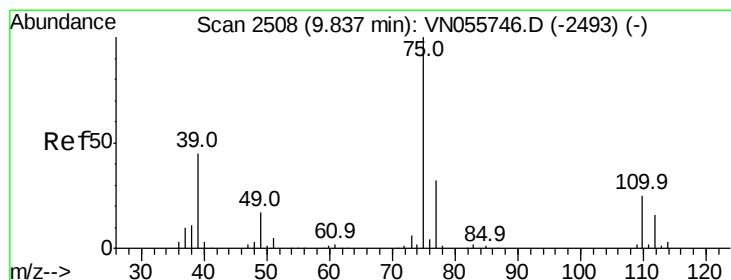
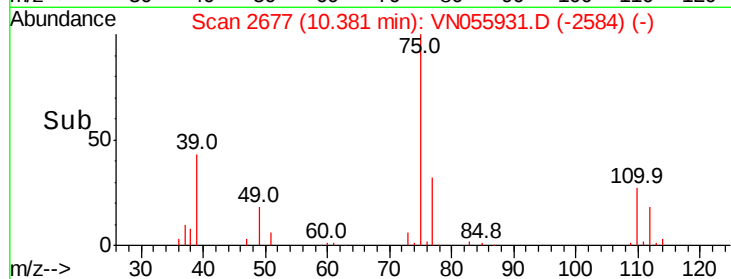
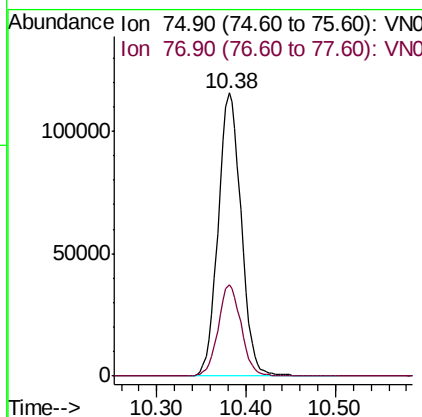
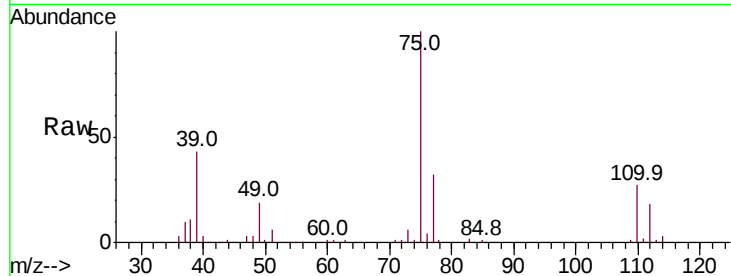
#53
t-1,3-Dichloropropene
Concen: 46.755 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 206685
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

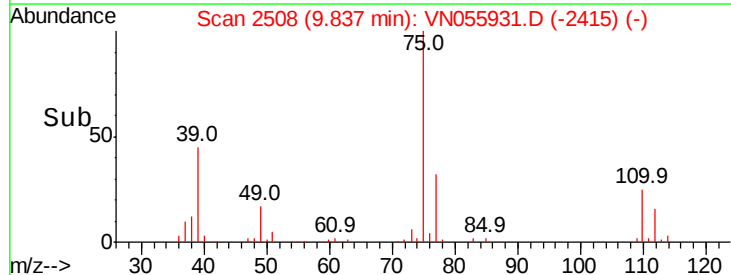
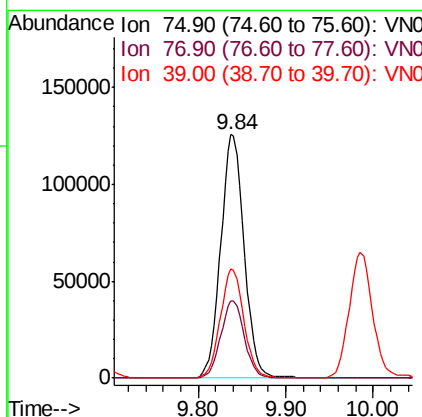
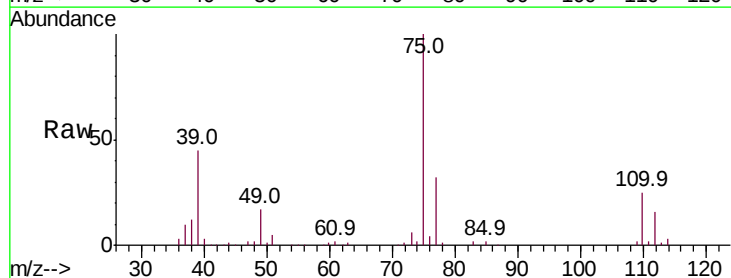
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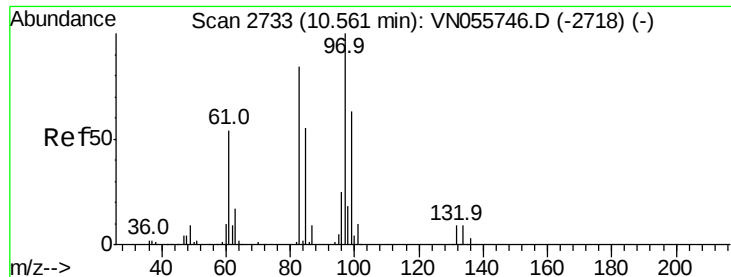
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#54
cis-1,3-Dichloropropene
Concen: 47.735 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 75 Resp: 233768
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 45.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 51.534 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 153477

Ion Ratio Lower Upper

97 100

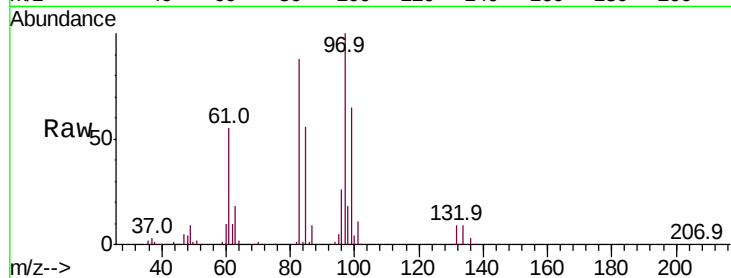
83 88.3 67.0 100.6

85 56.2 44.0 66.0

99 65.3 50.6 75.8

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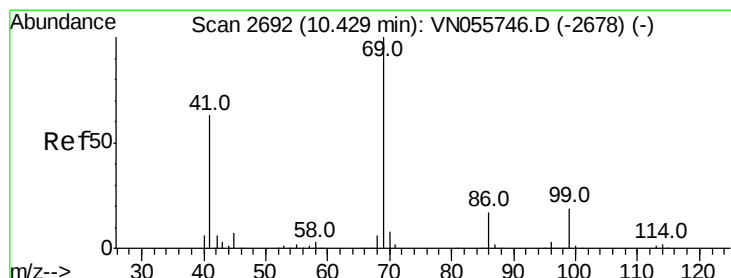
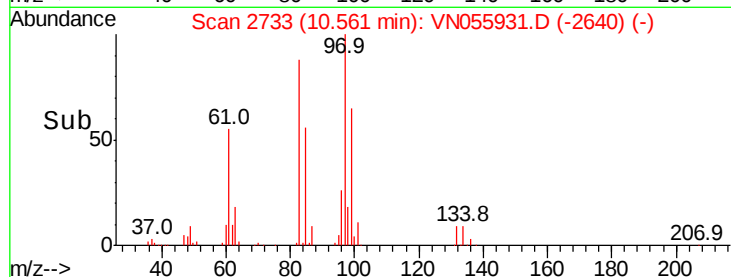
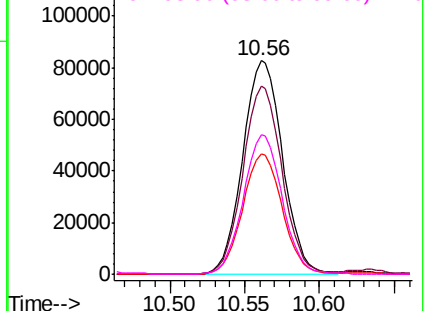
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.790 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

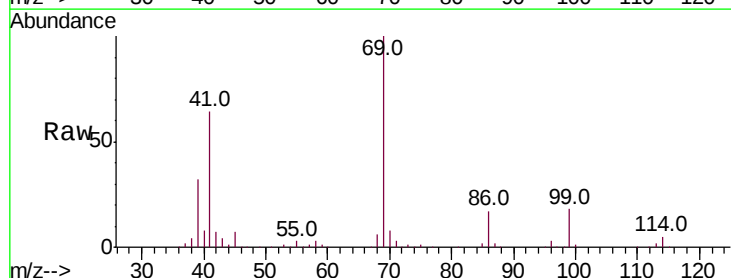
Tgt Ion: 69 Resp: 233771

Ion Ratio Lower Upper

69 100

41 63.5 49.7 74.5

39 31.2 24.7 37.1

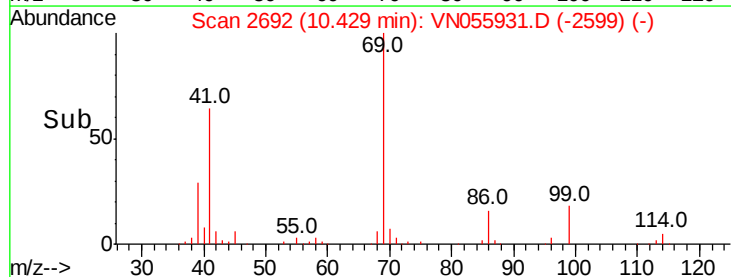
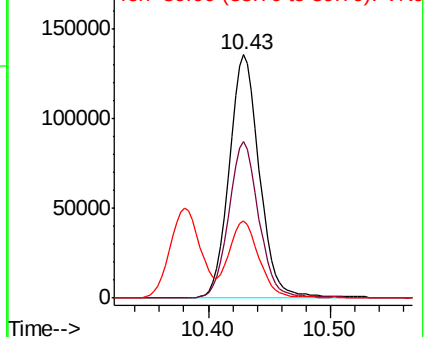


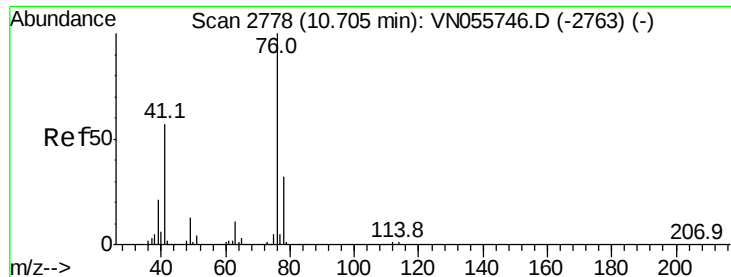
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.215 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 252770

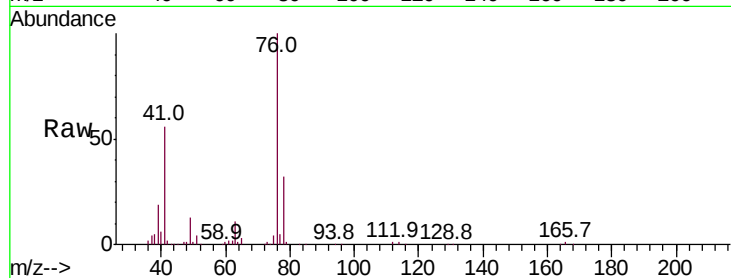
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

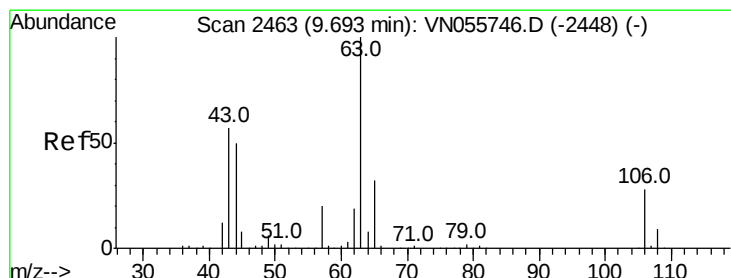
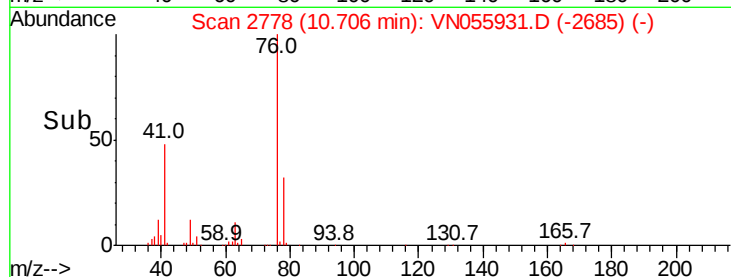
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.015 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055931.D

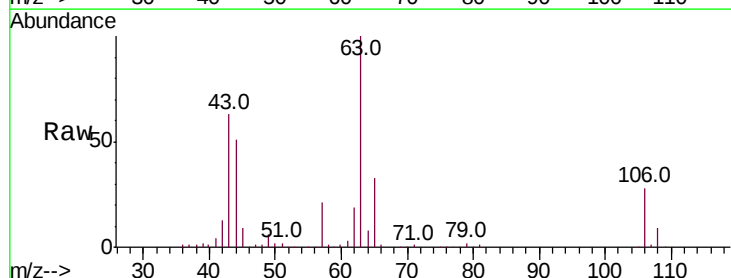
Acq: 31 May 2019 20:09

Tgt Ion: 63 Resp: 429208

Ion Ratio Lower Upper

63 100

106 27.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

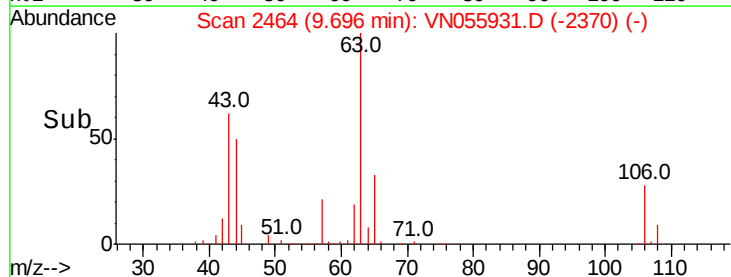
150000

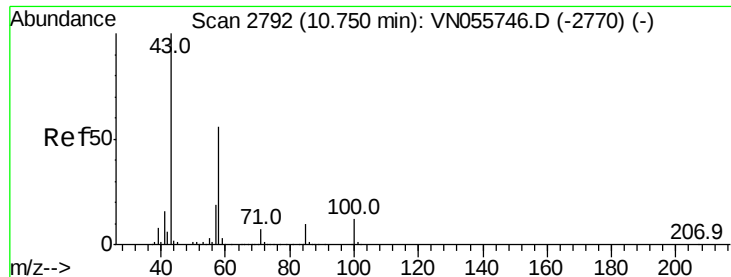
100000

50000

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Time-->





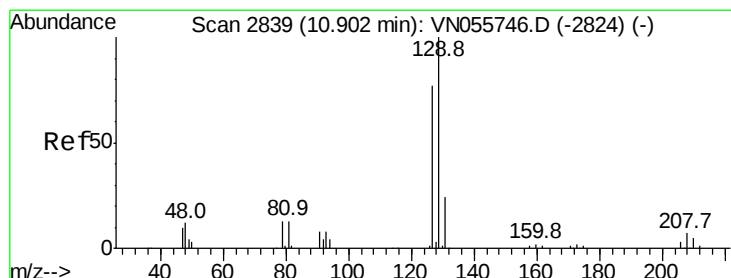
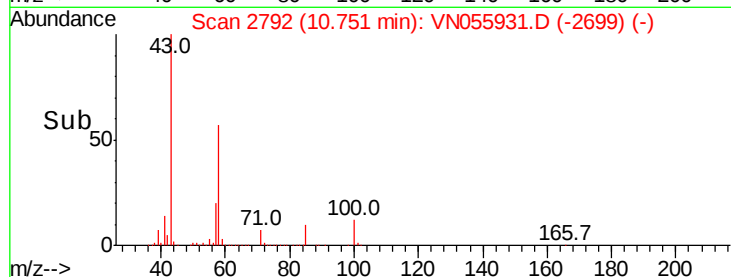
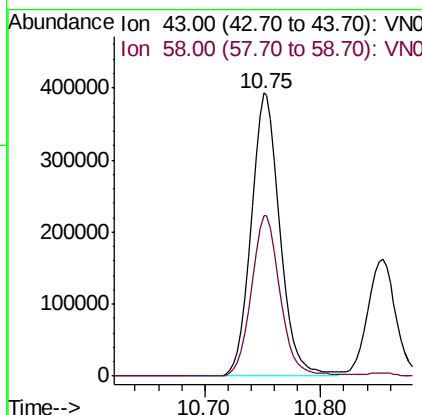
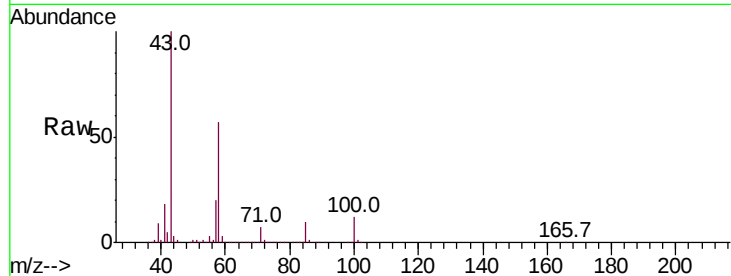
#59
2-Hexanone
Concen: 254.634 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 679468
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7

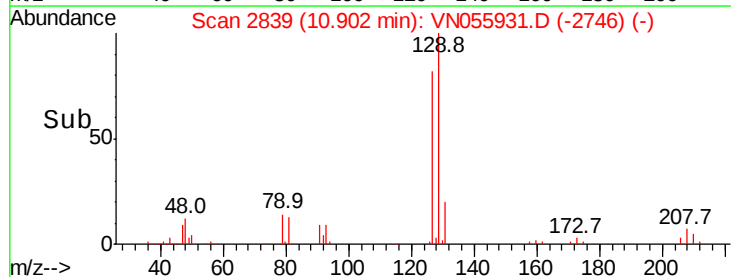
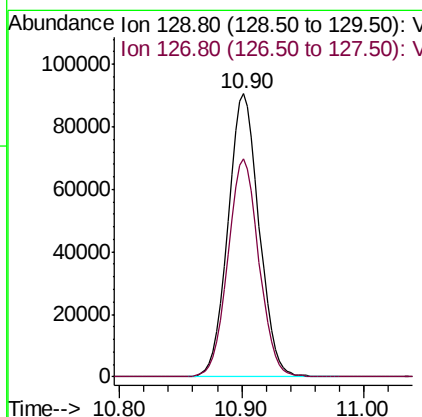
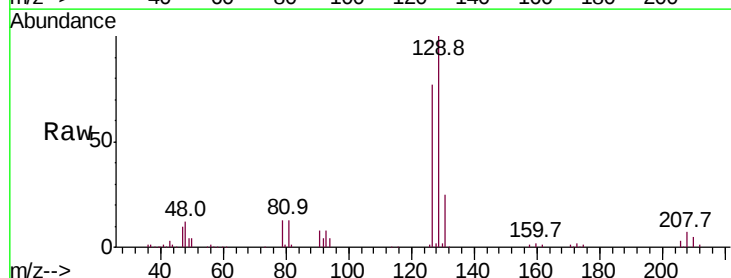
Manual Integrations
APPROVED

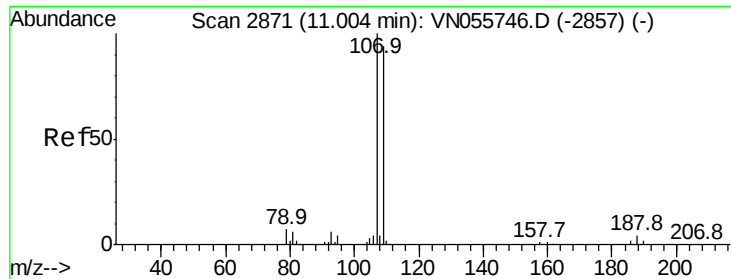
MMDadoda
6/3/2019 4:12:20 PM



#60
Dibromochloromethane
Concen: 46.280 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 129 Resp: 160564
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.064 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 157742

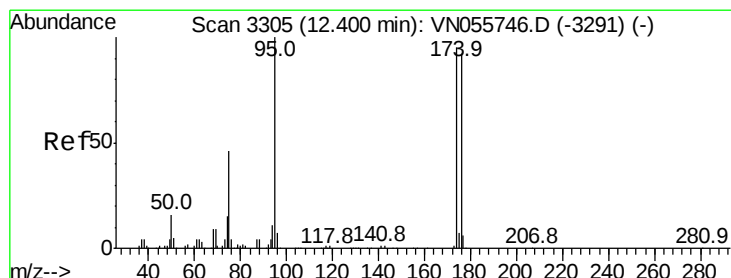
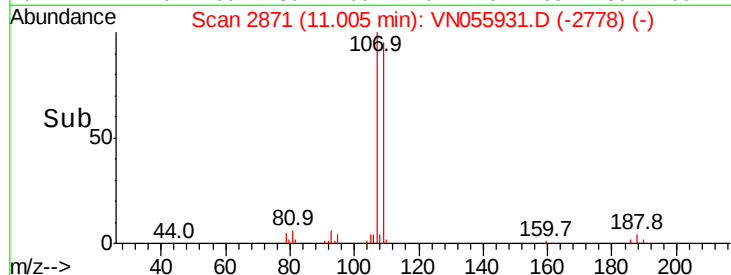
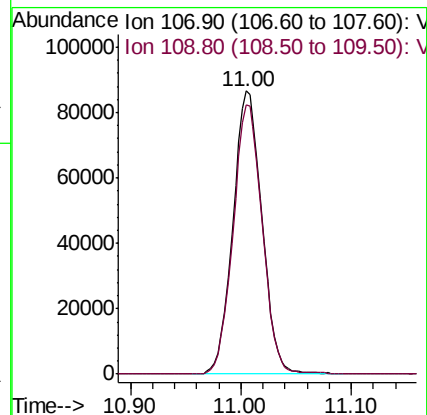
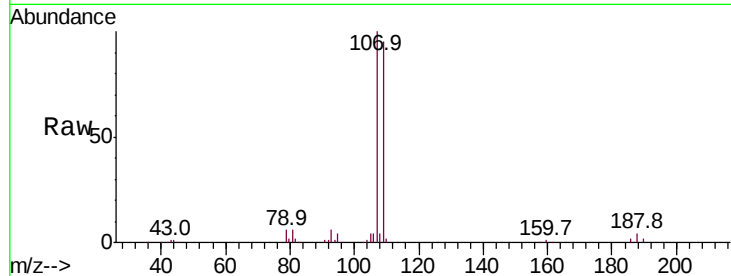
Ion Ratio Lower Upper

107 100

109 95.6 74.8 112.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.076 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

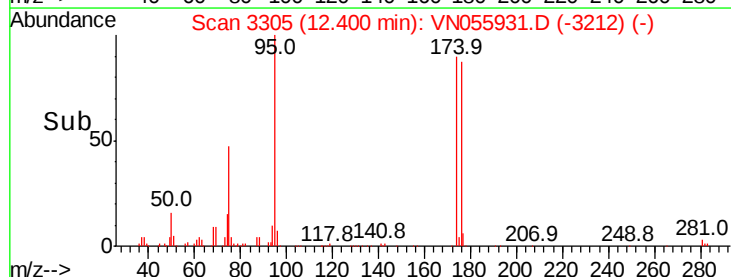
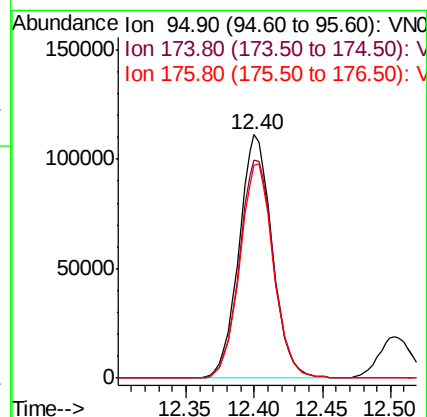
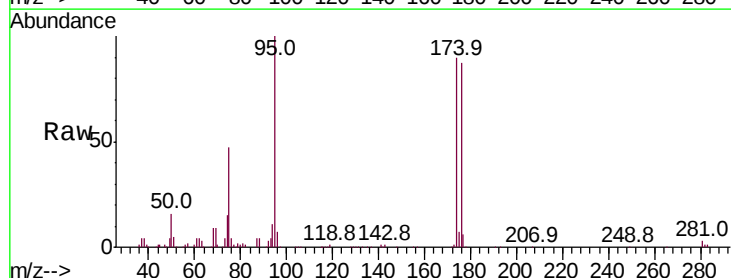
Tgt Ion: 95 Resp: 187410

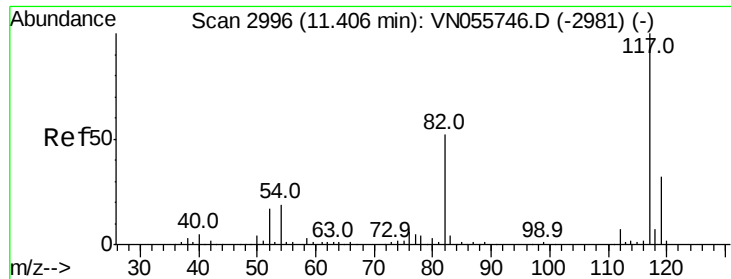
Ion Ratio Lower Upper

95 100

174 92.2 0.0 191.0

176 89.3 0.0 185.2





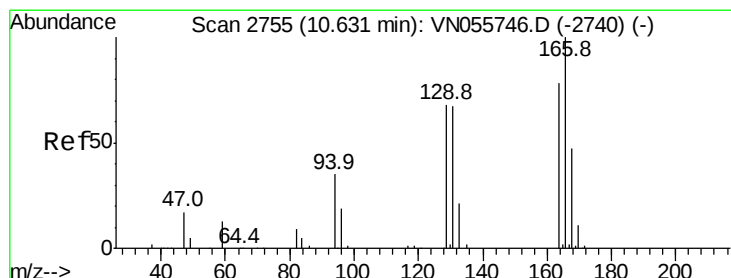
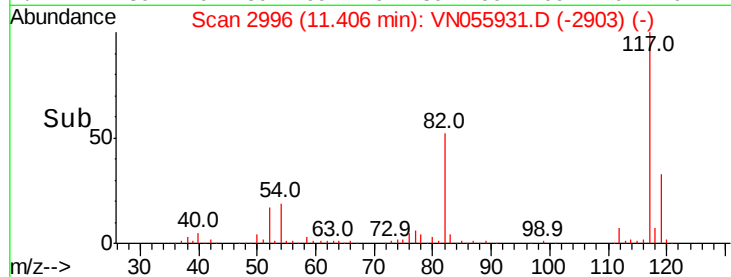
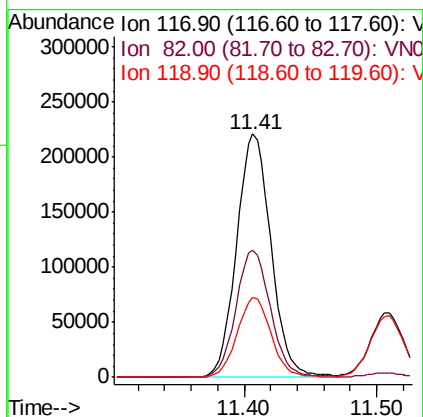
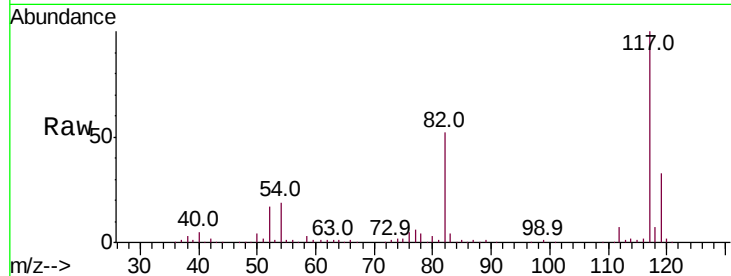
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.8	62.8
119	32.6	25.4	38.0

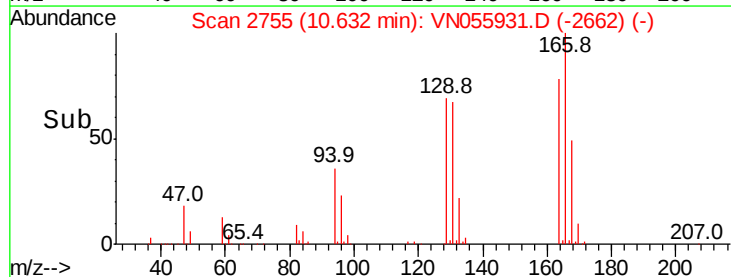
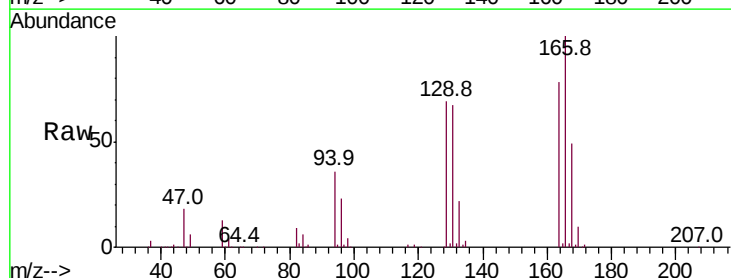
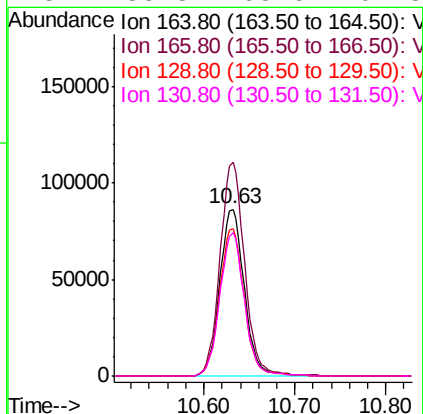
Manual Integrations
APPROVED

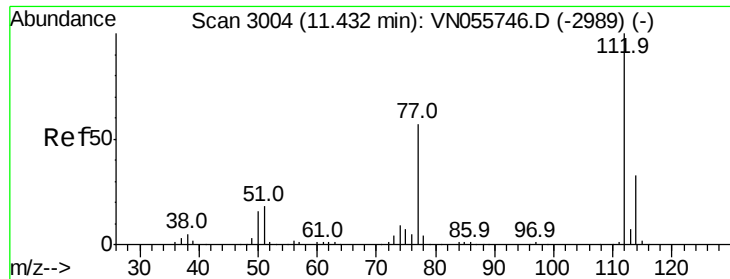
MMDadoda
6/3/2019 4:12:20 PM



#64
Tetrachloroethene
Concen: 48.452 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.0	154.6
129	88.3	70.6	105.8
131	85.8	68.6	102.8





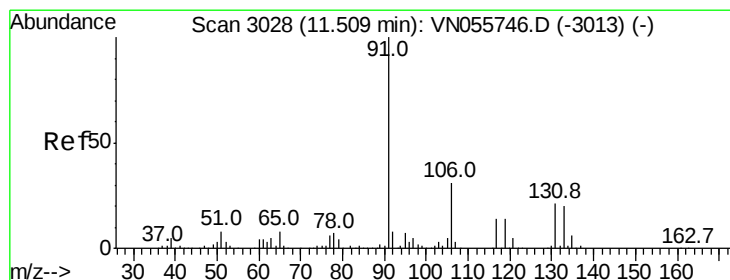
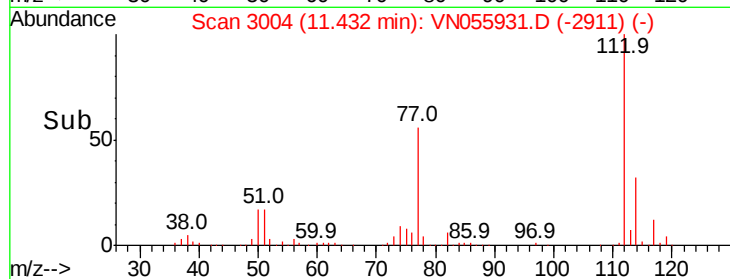
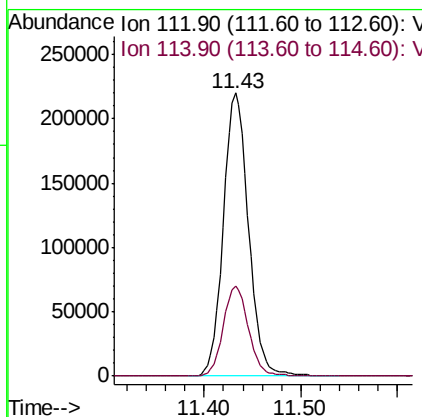
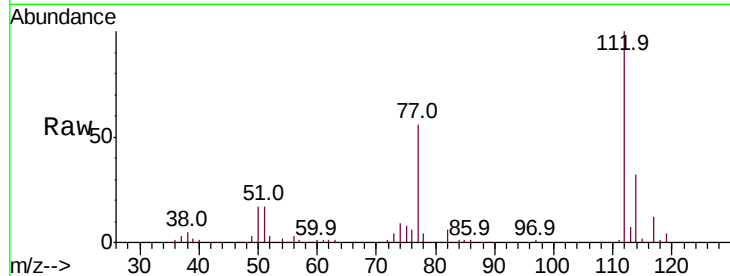
#65
Chlorobenzene
Concen: 49.844 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 397586
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4

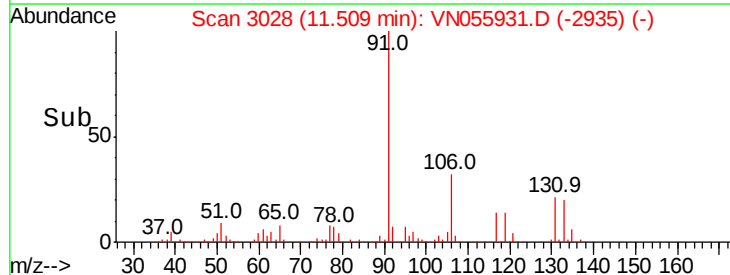
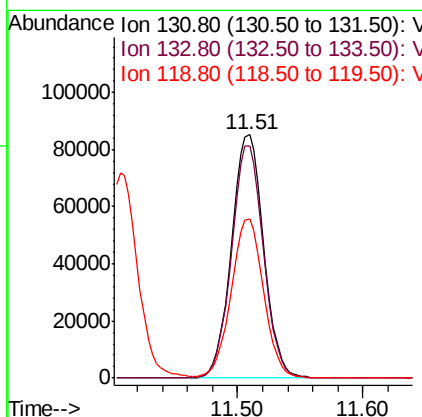
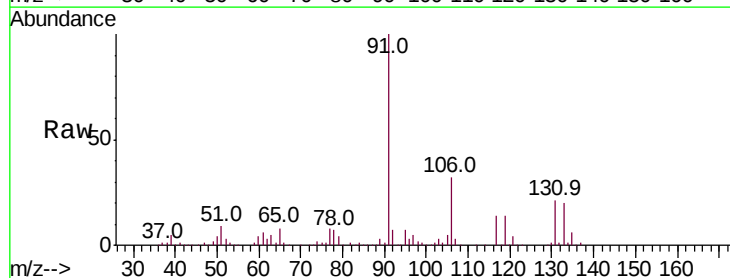
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion:131 Resp: 151824
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 66.0 33.1 99.5





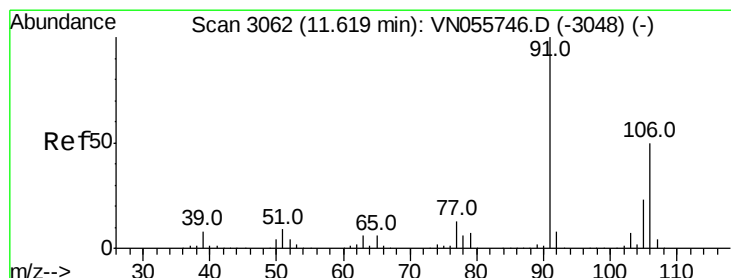
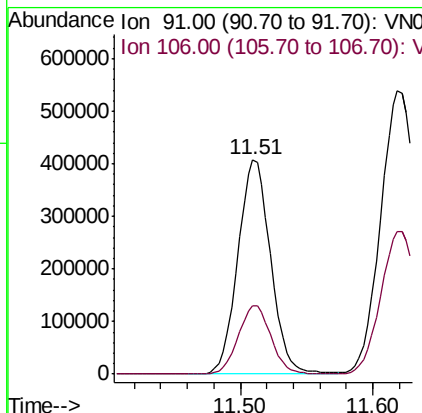
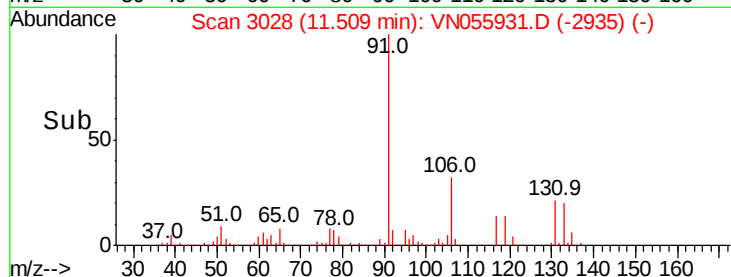
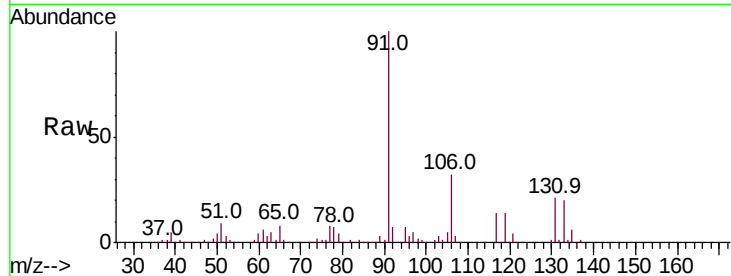
#67
Ethyl Benzene
Concen: 48.849 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 698749
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

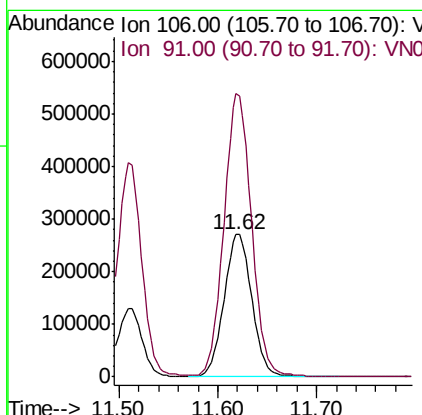
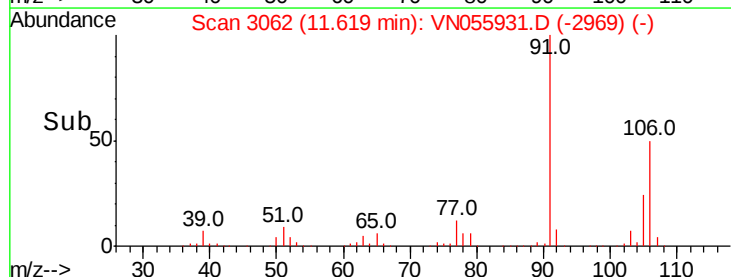
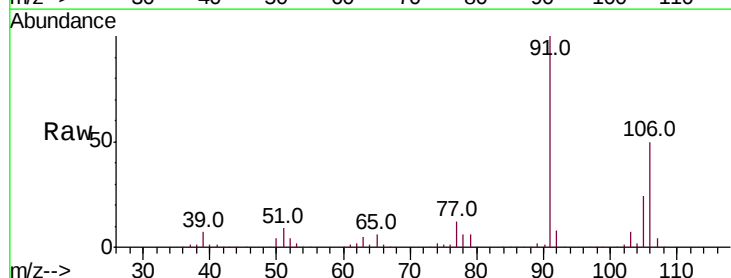
Manual Integrations
APPROVED

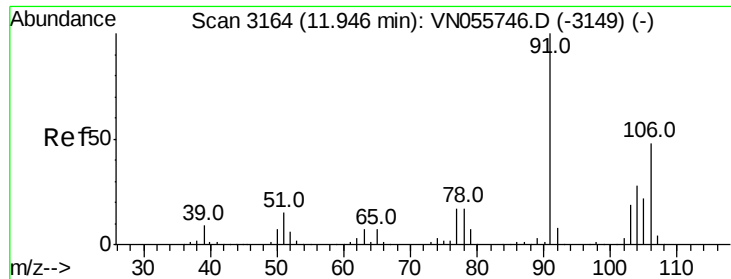
MMDadoda
6/3/2019 4:12:20 PM



#68
m/p-Xylenes
Concen: 98.766 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 106 Resp: 534101
Ion Ratio Lower Upper
106 100
91 197.7 159.3 238.9





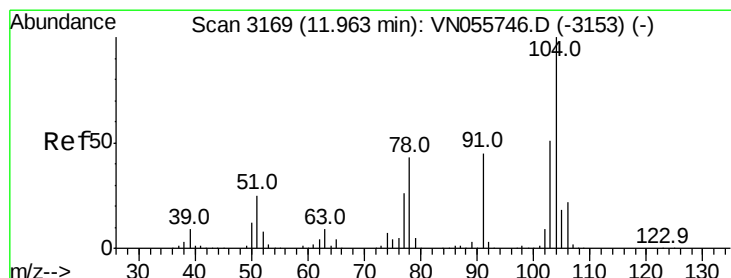
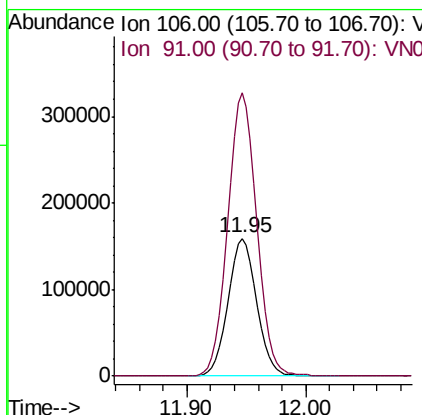
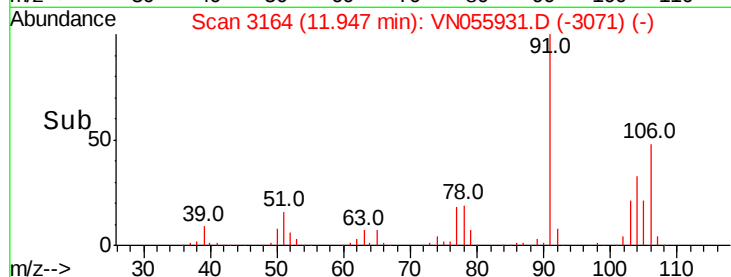
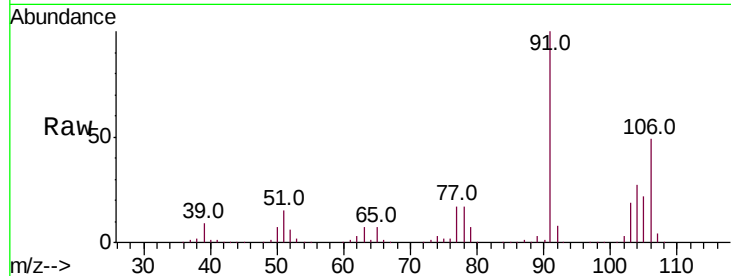
#69
o-Xylene
Concen: 49.298 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 264493
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1

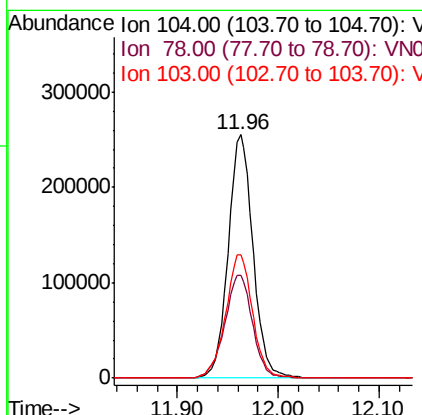
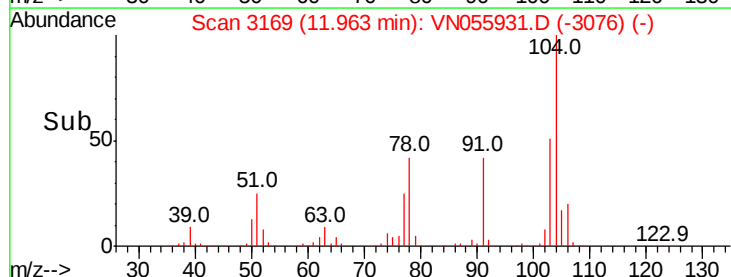
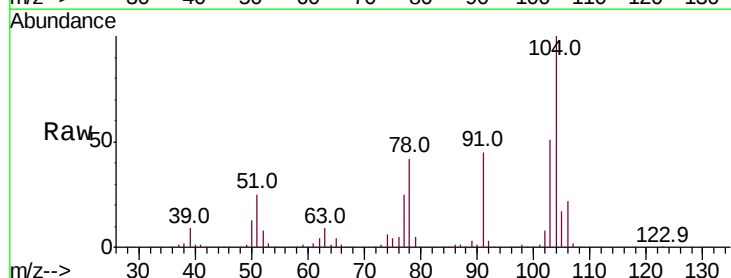
Manual Integrations
APPROVED

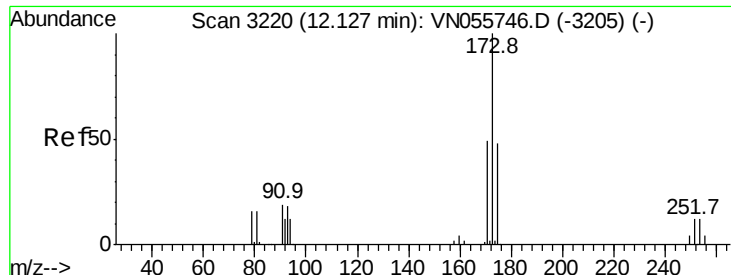
MMDadoda
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#70
Styrene
Concen: 50.470 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion:104 Resp: 438502
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 42.335 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 114878

Ion Ratio Lower Upper

173 100

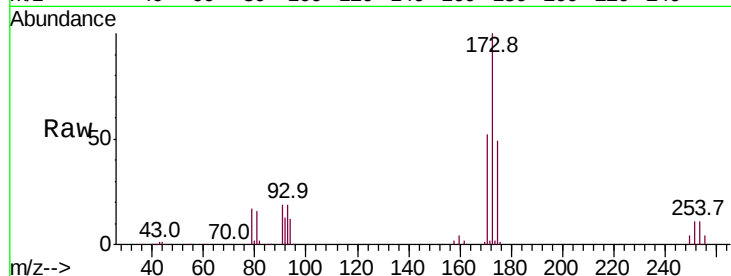
175 48.6 24.3 72.8

254 0.1 0.0 0.0#

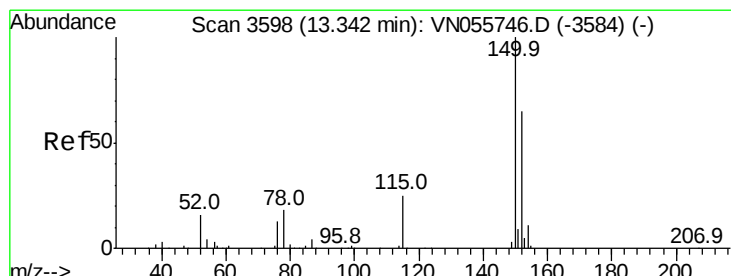
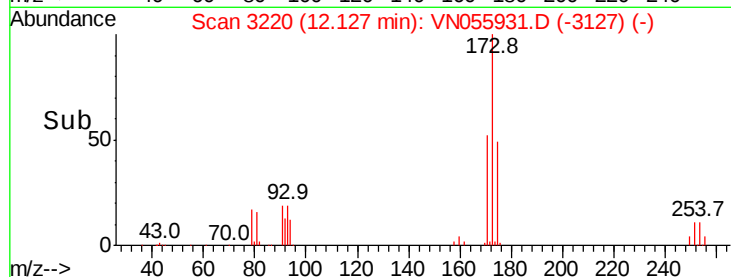
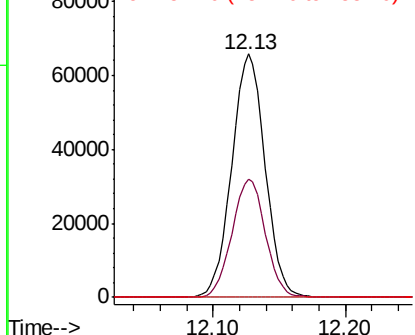
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

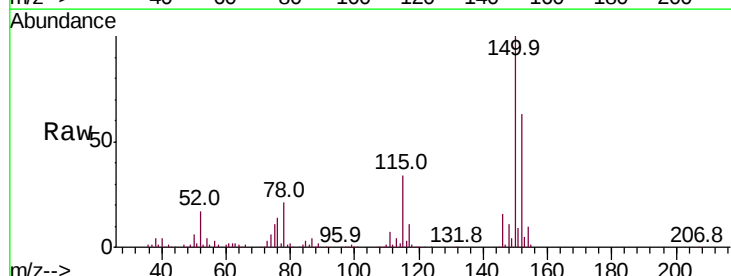
Tgt Ion:152 Resp: 174777

Ion Ratio Lower Upper

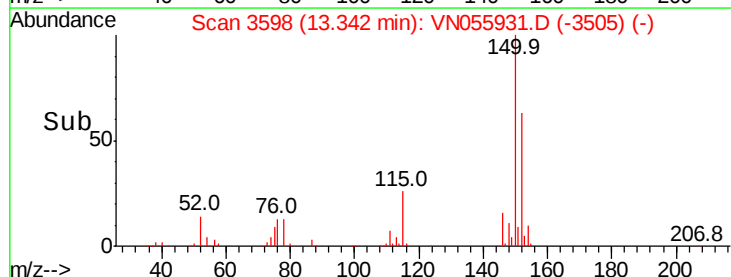
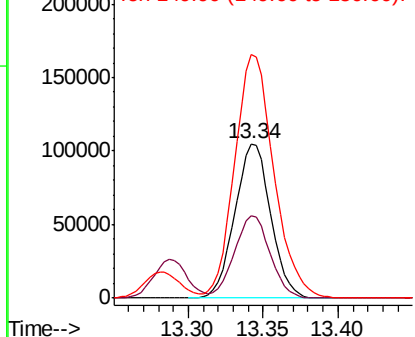
152 100

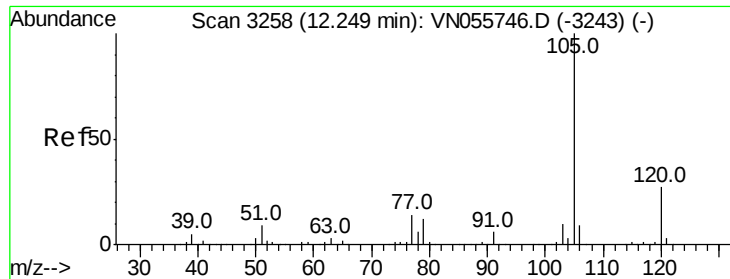
115 53.4 27.0 81.0

150 173.1 0.0 343.2



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





#73

Isopropylbenzene

Concen: 55.866 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 690671

Ion Ratio Lower Upper

105 100

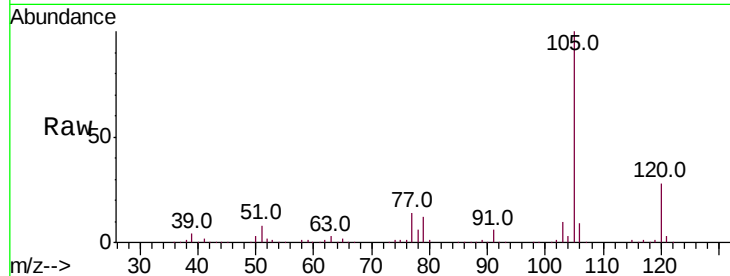
120 27.3 13.6 40.7

Manual Integrations

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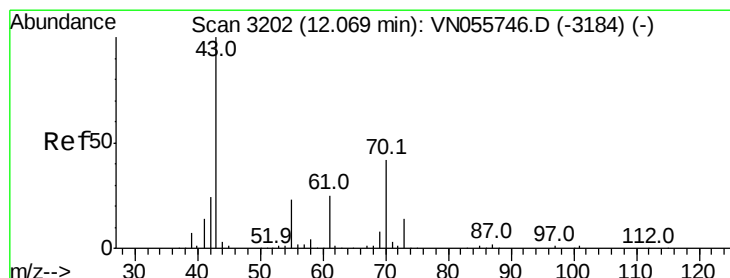
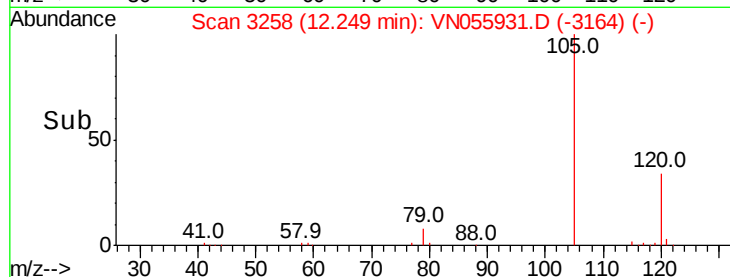
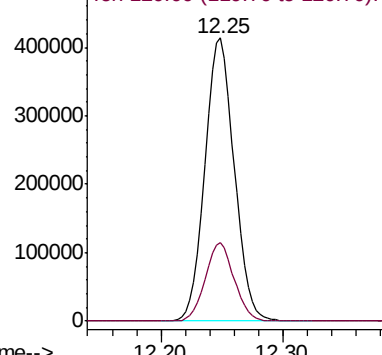
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion: 43 Resp: 252704

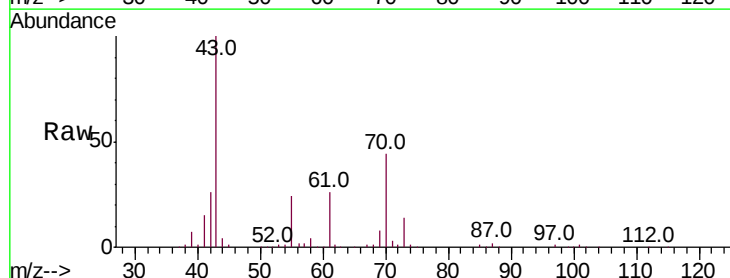
Ion Ratio Lower Upper

43 100

70 43.4 34.0 51.0

55 24.4 18.6 28.0

61 25.5 20.0 30.0

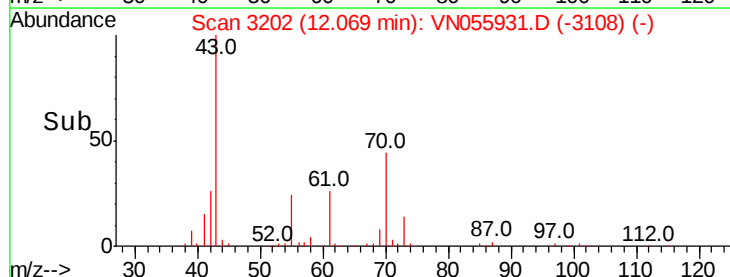
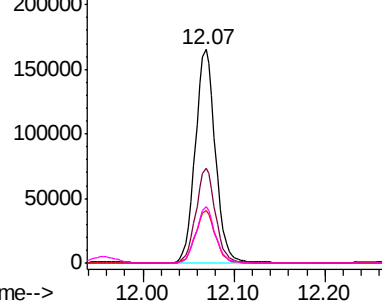


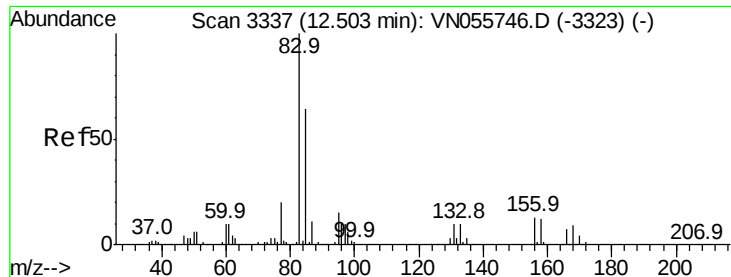
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 58.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

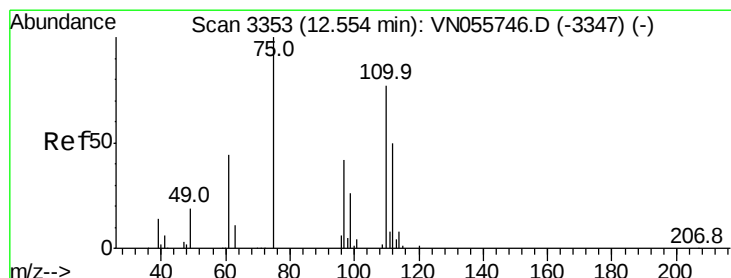
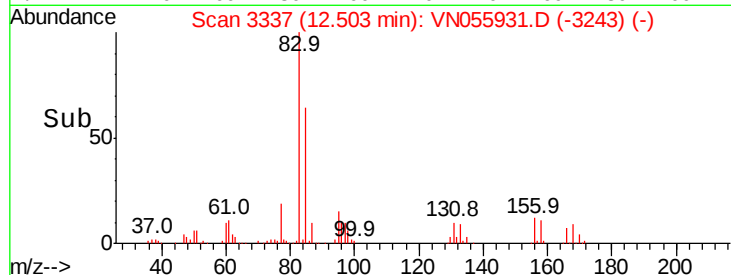
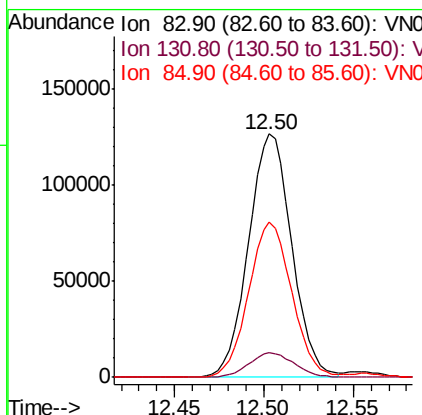
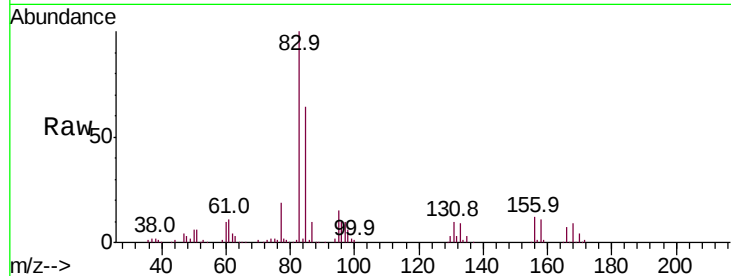
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	214926
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 59.468 ug/l m

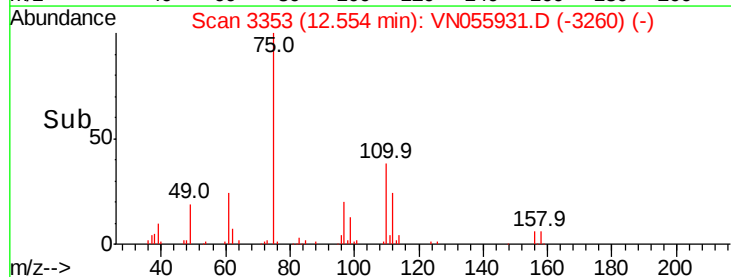
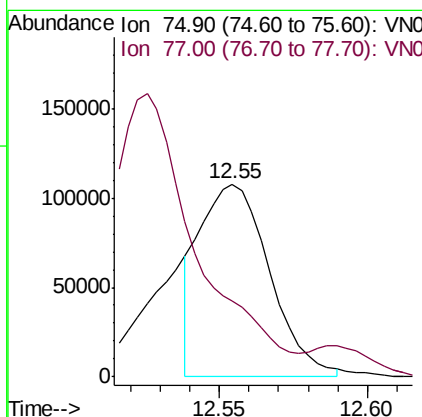
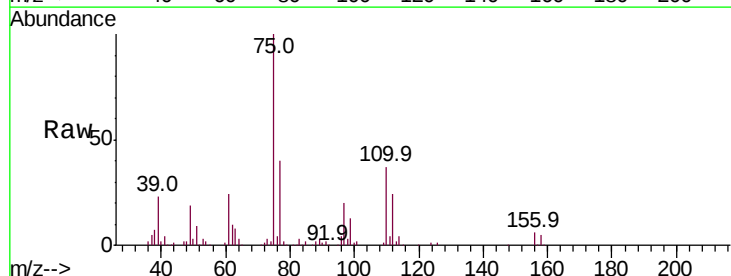
RT: 12.55 min Scan# 3353

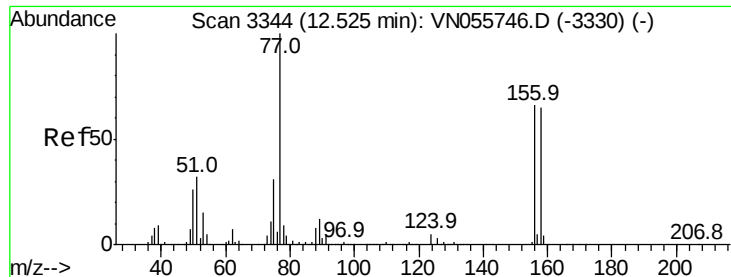
Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	75	Resp:	177174
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.013 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

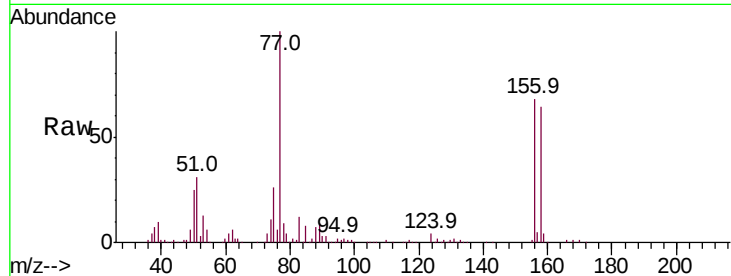
ClientSampleId :

VSTDCCC050EC

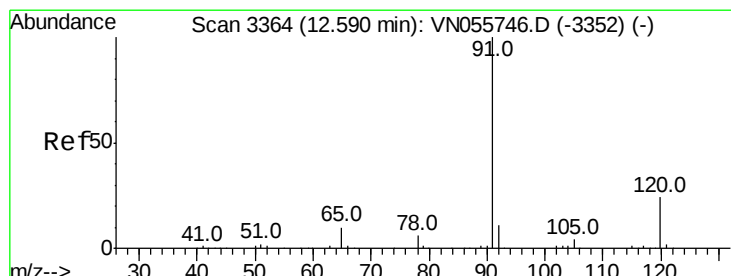
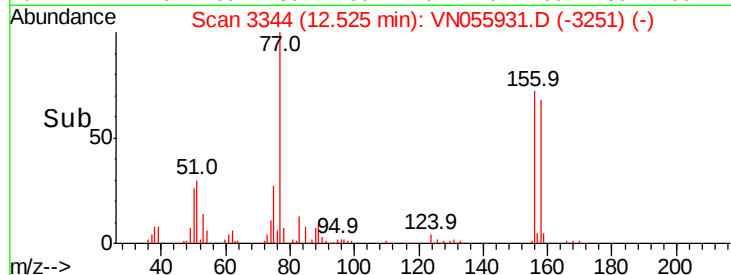
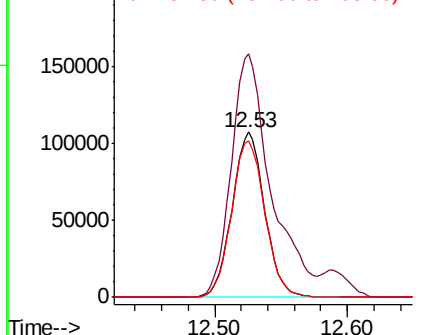
Tot Ion:	156	Resp:	182796
Ion Ratio	Lower	Upper	
156	100		
77	180.8	90.8	272.5
158	97.1	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.762 ug/l

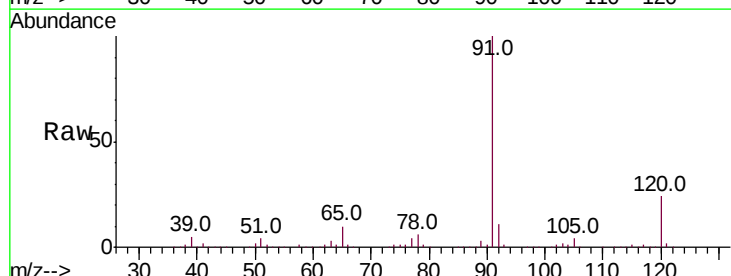
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

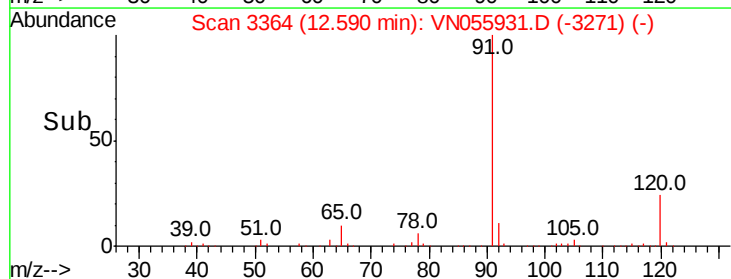
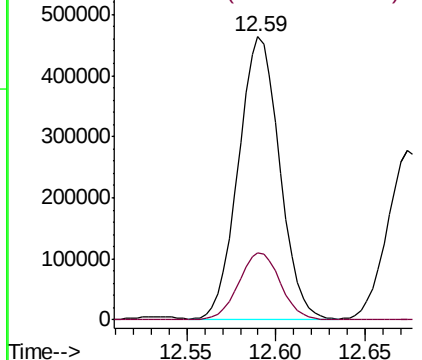
Lab File: VN055931.D

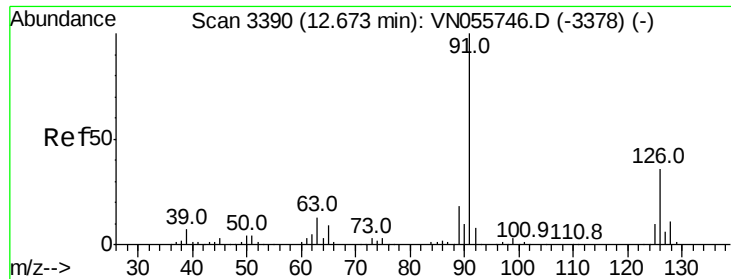
Acq: 31 May 2019 20:09

Tgt Ion:	91	Resp:	740722
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.303 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 450294

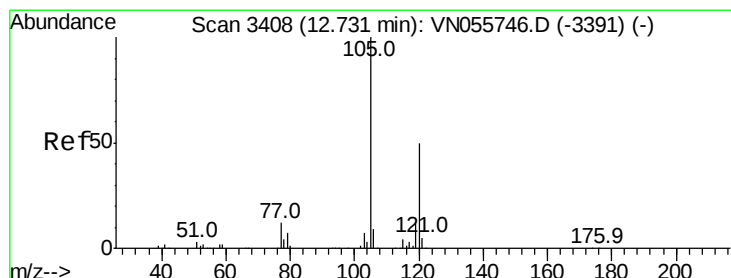
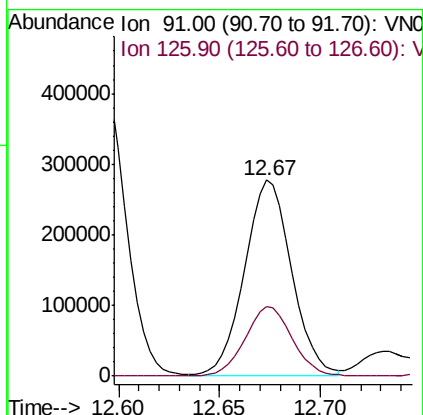
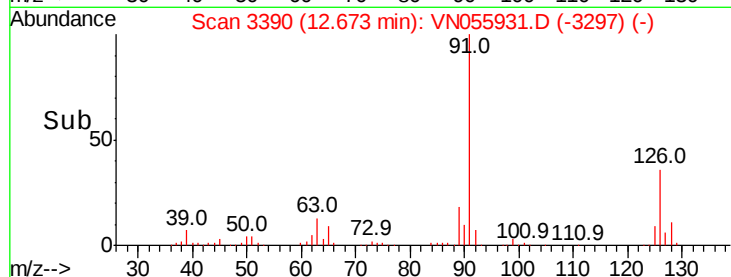
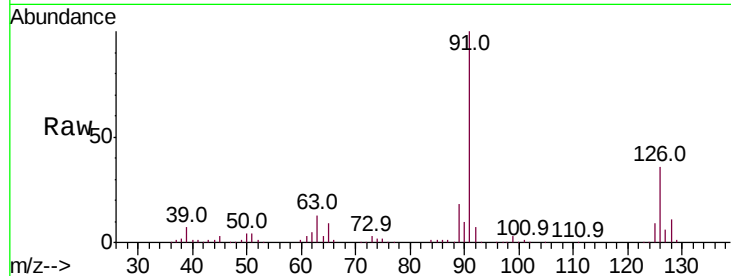
Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 54.492 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055931.D

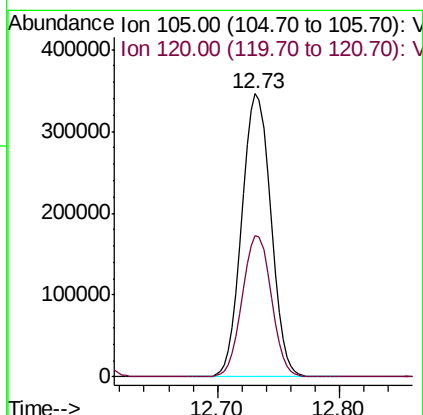
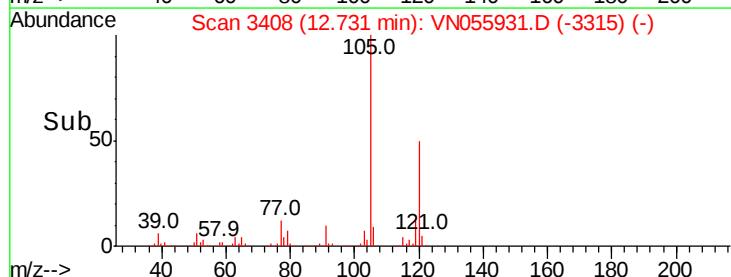
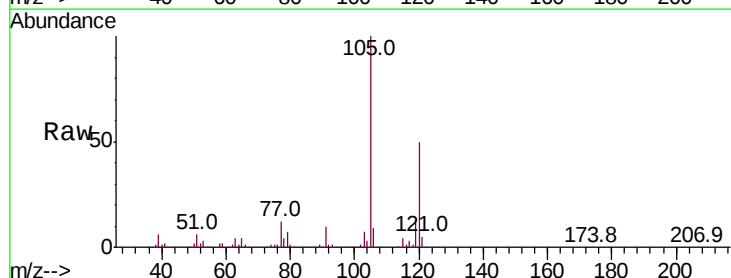
Acq: 31 May 2019 20:09

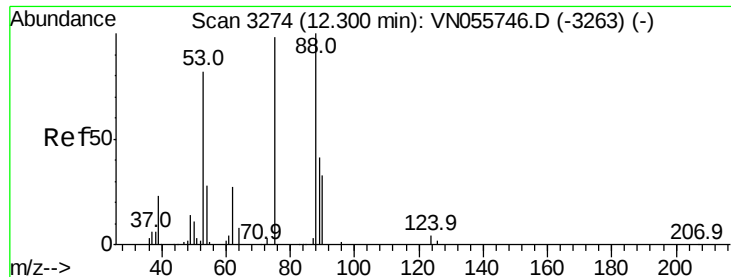
Tgt Ion: 105 Resp: 567848

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.712 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

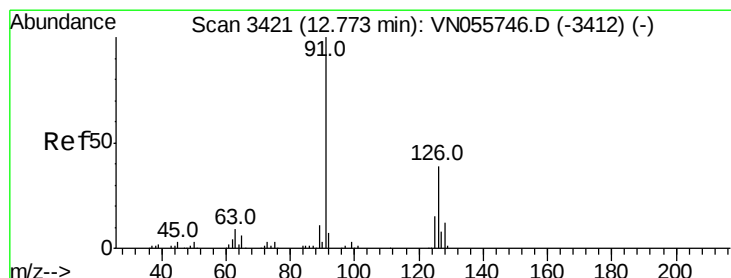
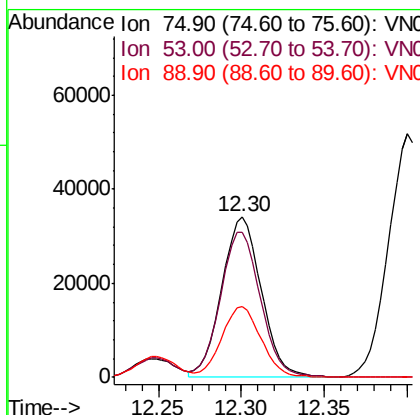
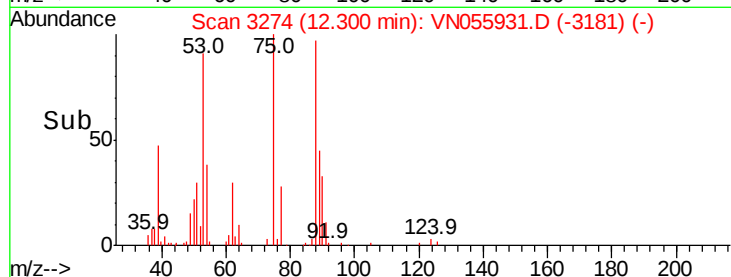
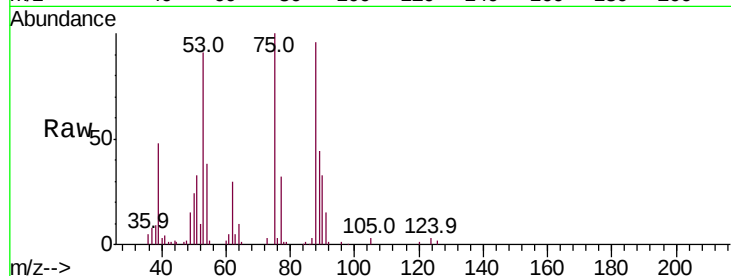
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	56781
Ion Ratio	Lower	Upper	
75	100		
53	91.9	68.1	102.1
89	44.1	36.9	55.3

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#82

4-Chlorotoluene

Concen: 48.735 ug/l

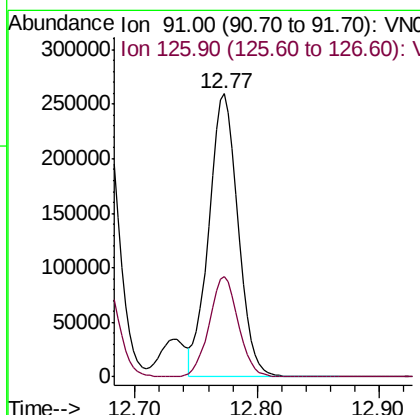
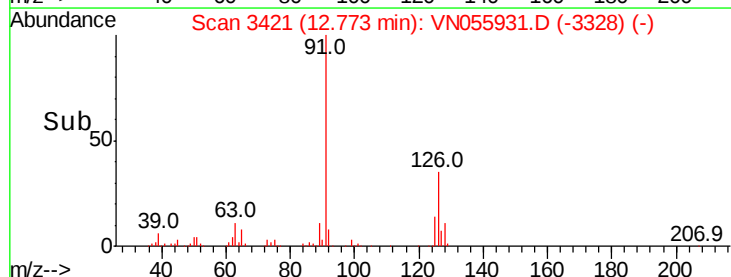
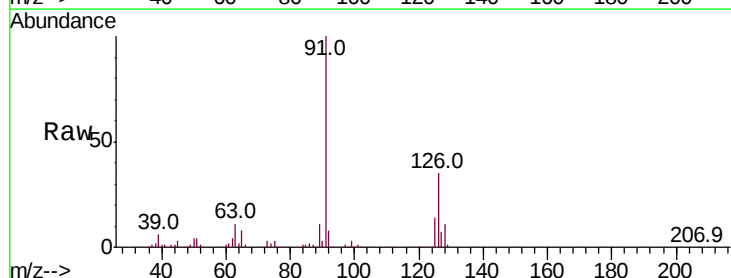
RT: 12.77 min Scan# 3421

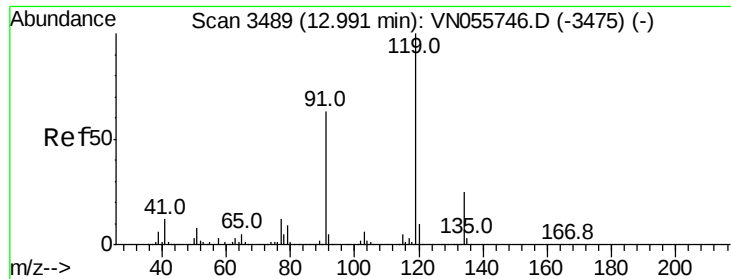
Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion:	91	Resp:	435175
Ion Ratio	Lower	Upper	
91	100		
126	35.3	17.8	53.3





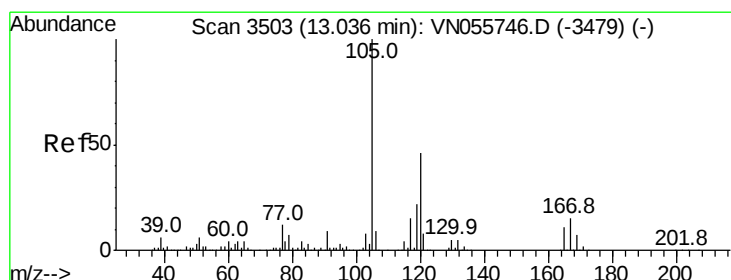
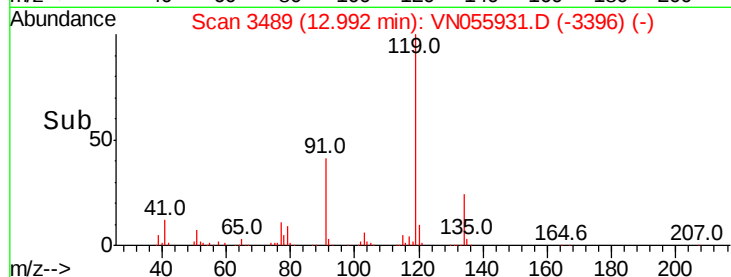
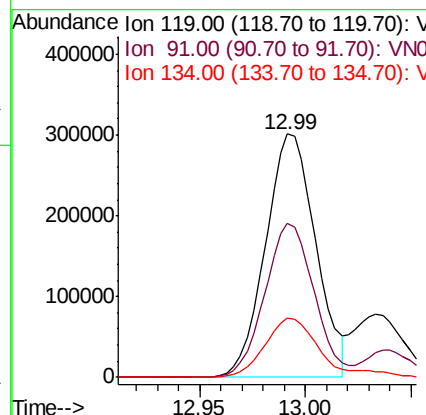
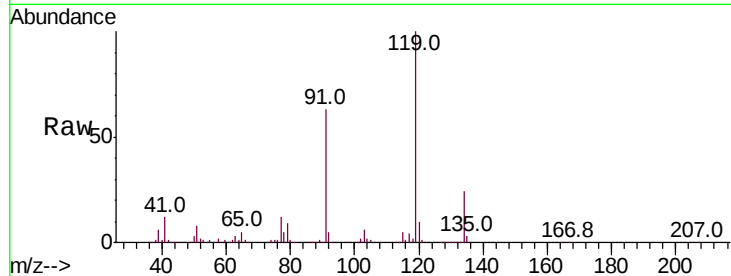
#83
tert-Butylbenzene
Concen: 55.582 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	499730		
91	61.9	30.9	92.8	
134	26.6	13.3	39.8	

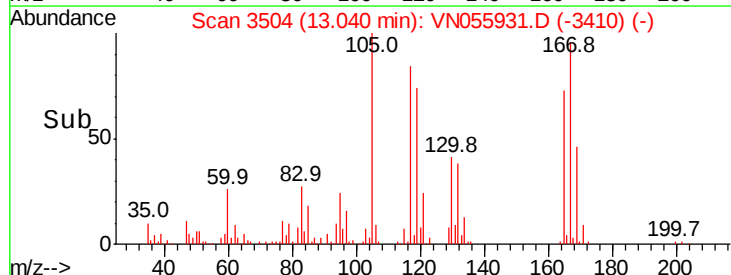
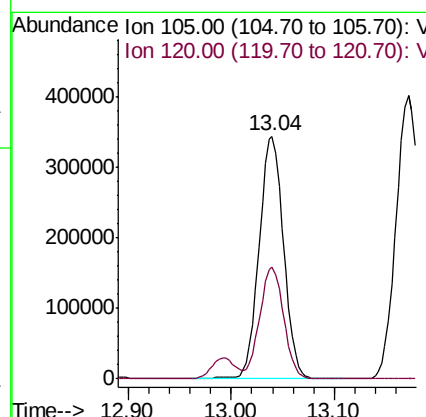
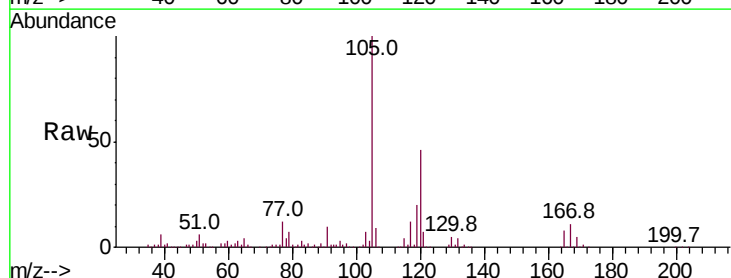
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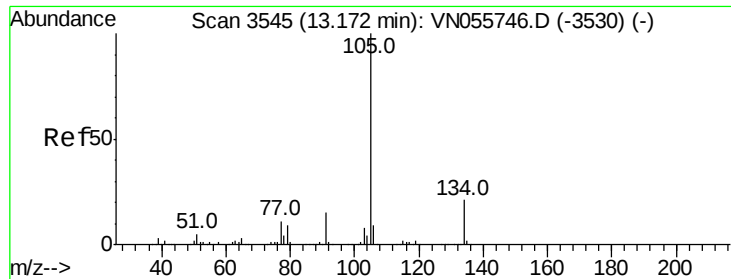
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.991 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	562133		
120	45.6	23.0	69.0	





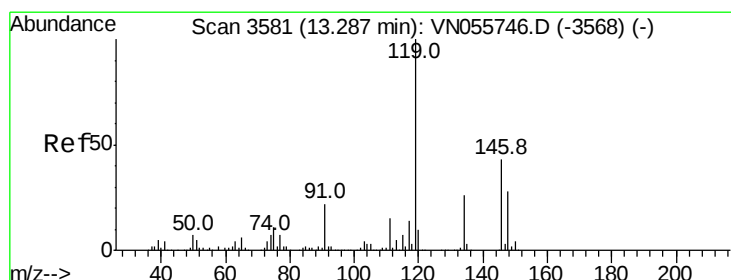
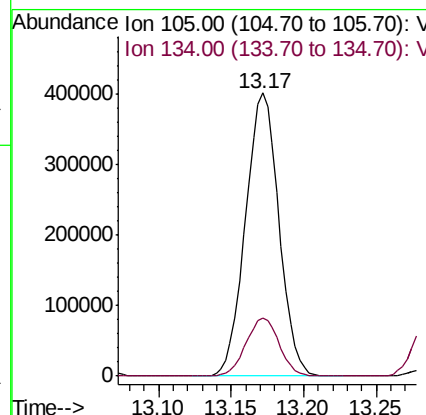
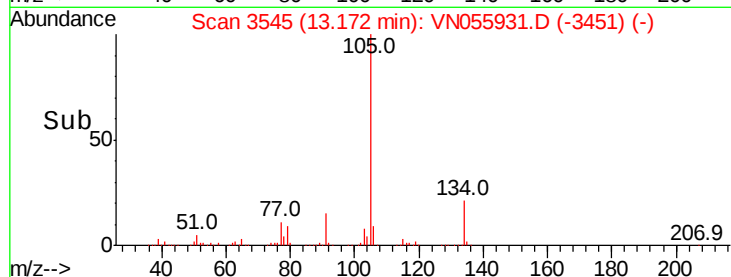
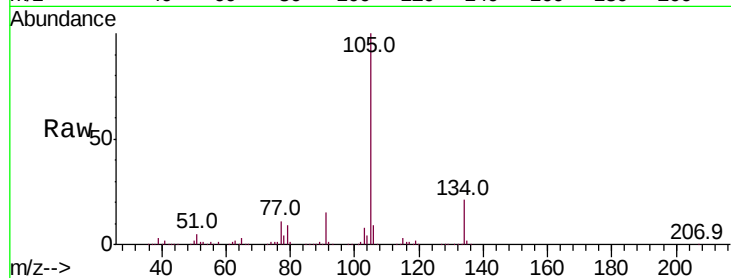
#85
 sec-Butylbenzene
 Concen: 54.823 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.2

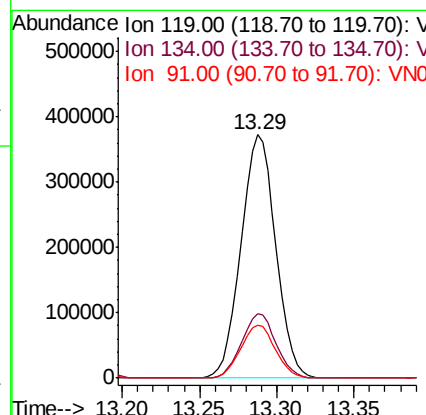
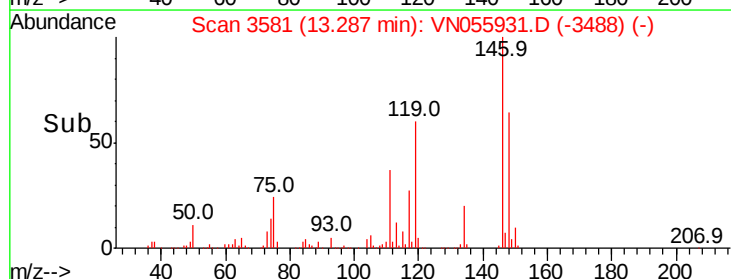
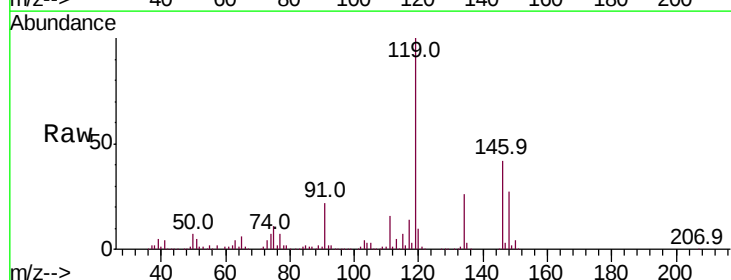
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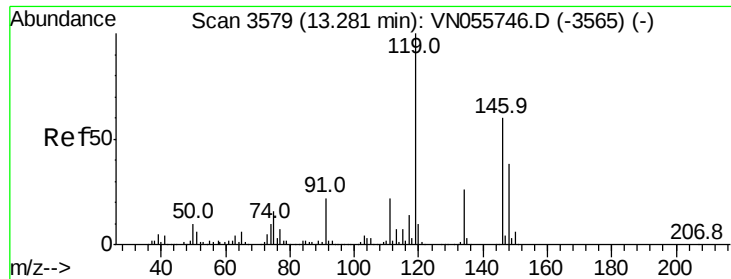
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#86
 p-Isopropyltoluene
 Concen: 47.553 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	21.9	10.9	32.9





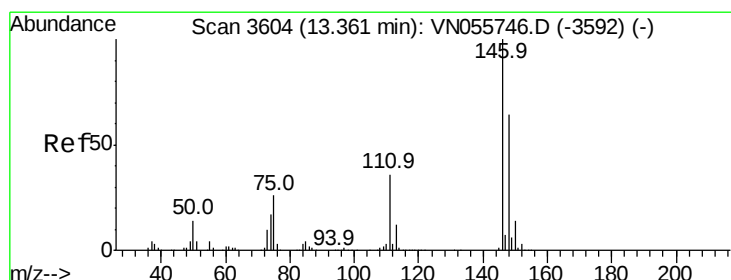
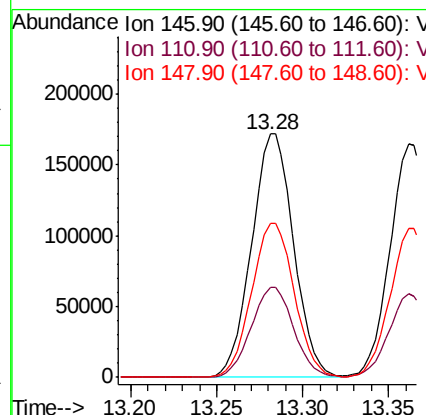
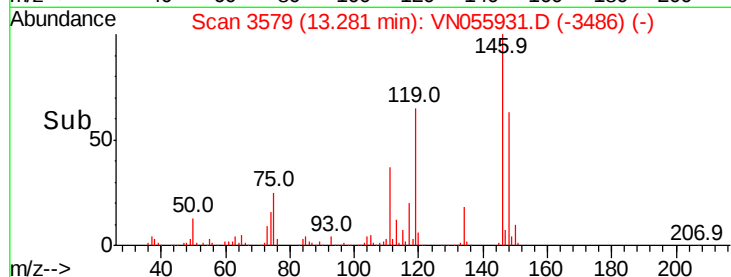
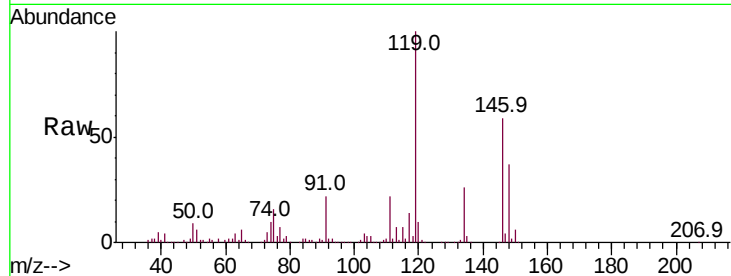
#87
 1,3-Dichlorobenzene
 Concen: 49.164 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	64.2	32.0	96.2

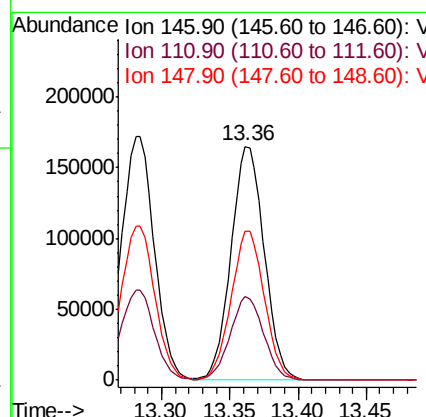
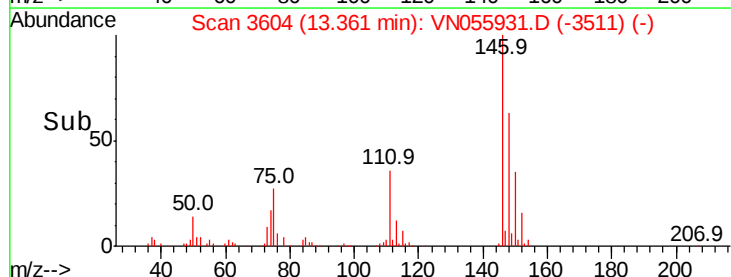
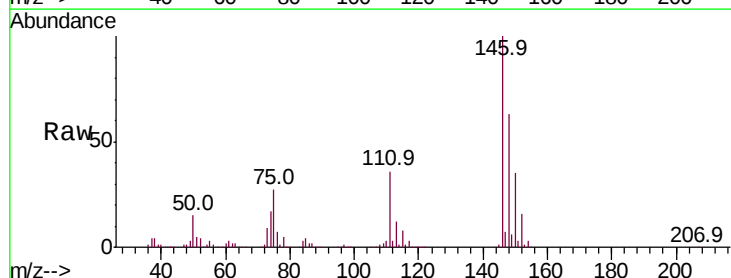
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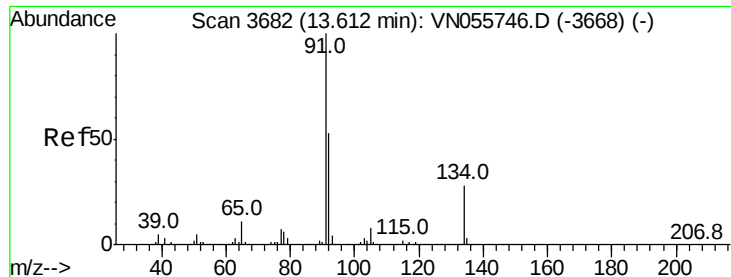
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#88
 1,4-Dichlorobenzene
 Concen: 49.776 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.4
148	63.6	32.1	96.5





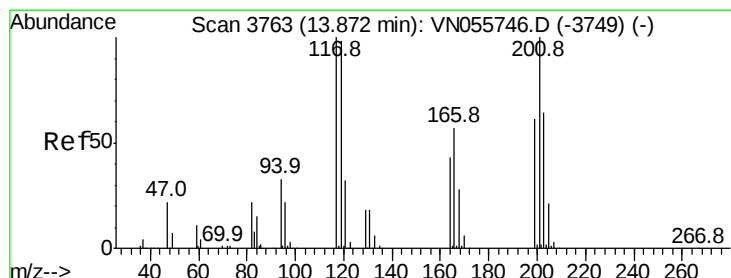
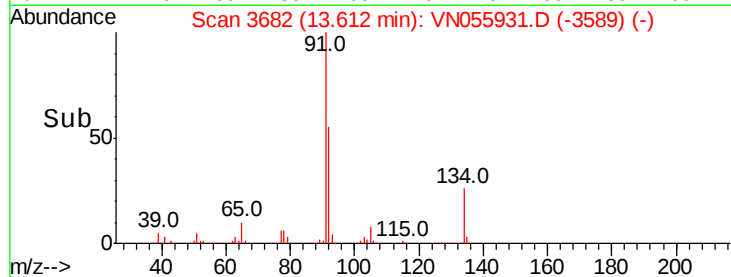
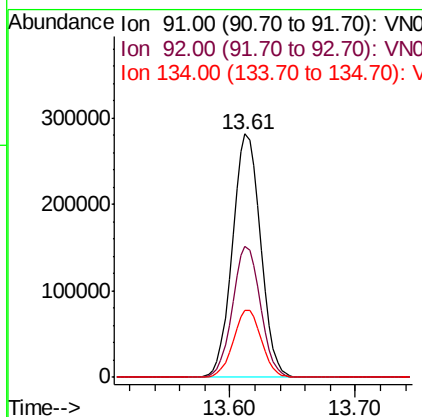
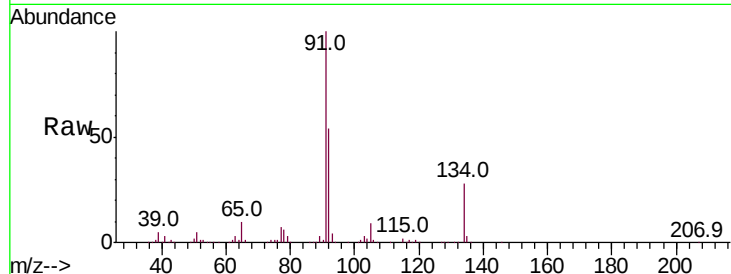
#89
n-Butylbenzene
Concen: 47.169 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.0
134	27.6	13.9	41.7

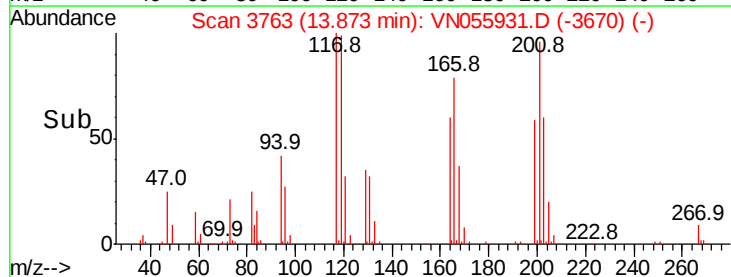
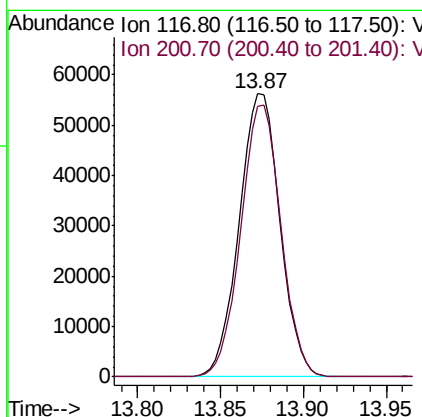
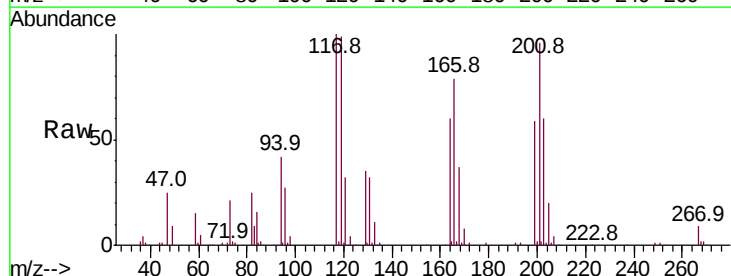
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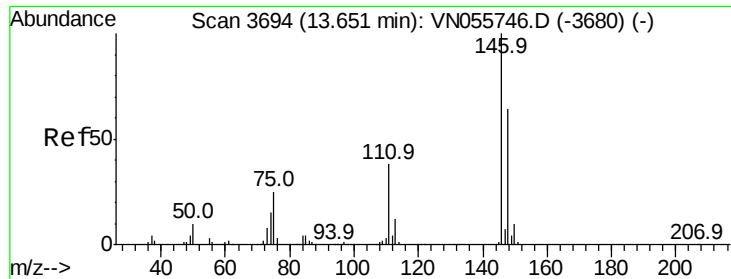
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#90
Hexachloroethane
Concen: 41.629 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	50.0	150.0





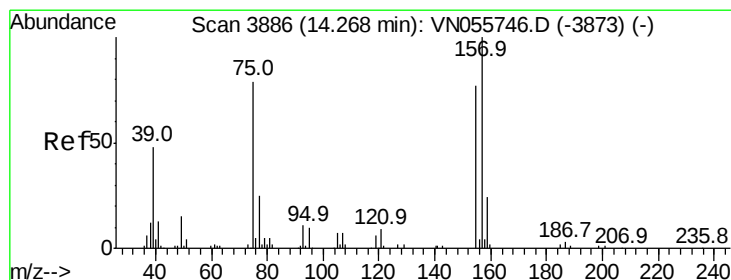
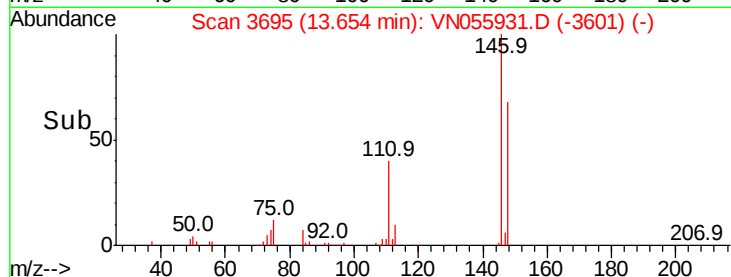
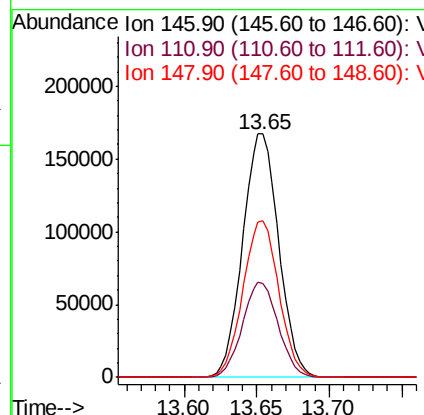
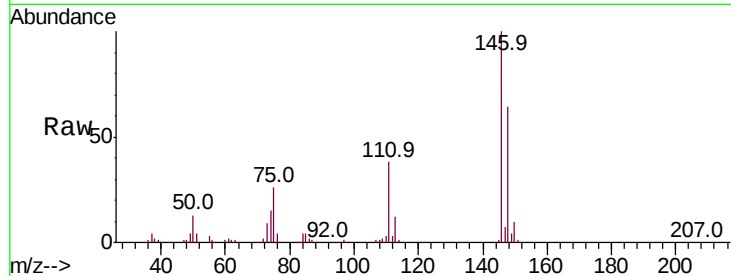
#91
 1,2-Dichlorobenzene
 Concen: 49.212 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.6	19.1	57.5	
148	64.1	31.9	95.9	

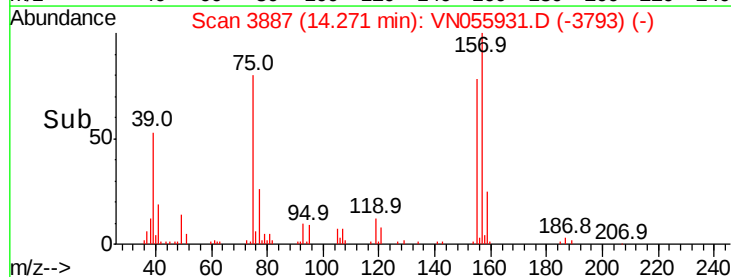
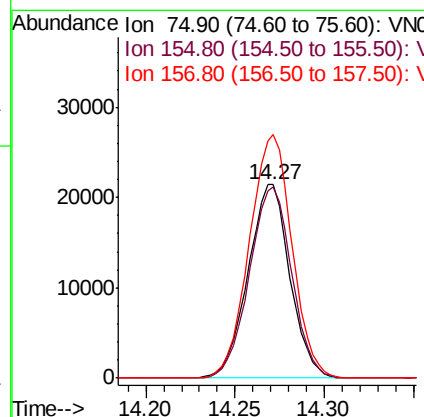
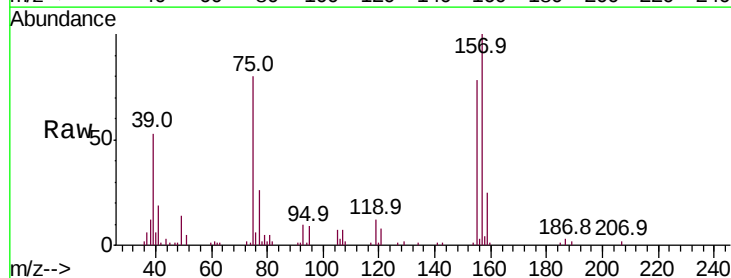
Manual Integrations
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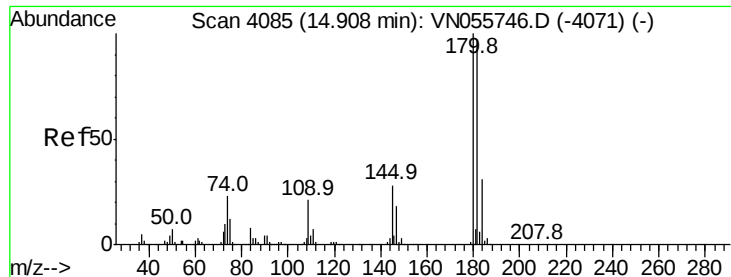
MMDadoda
 6/3/2019 4:12:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.324 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	99.5	50.0	150.1	
157	127.9	64.8	194.3	





#93

1,2,4-Trichlorobenzene

Concen: 41.847 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

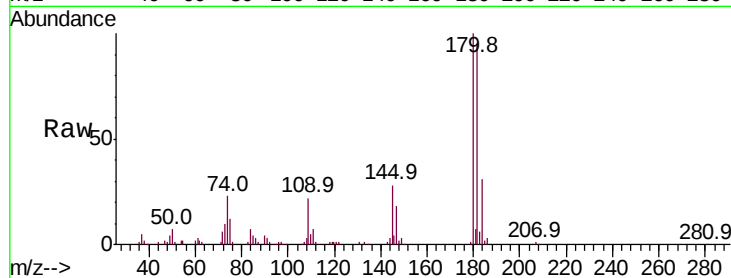
ClientSampleId :

VSTDCCC050EC

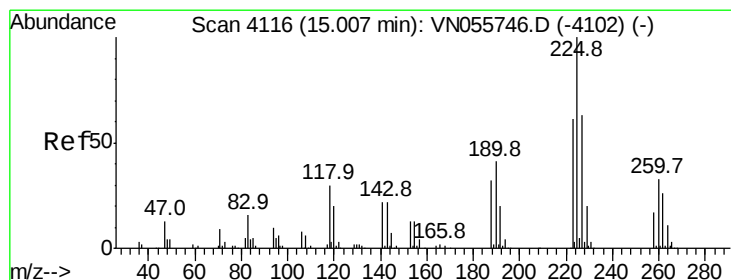
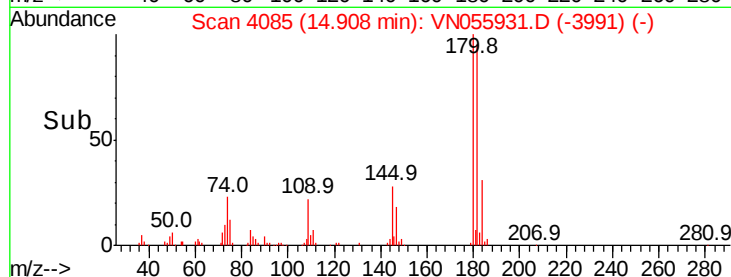
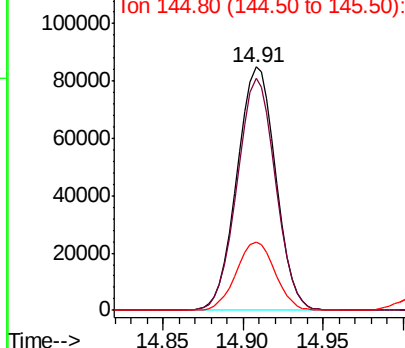
Tot Ion:	180	Resp:	139689
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.3	144.9
145	28.1	14.0	41.9

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



#94

Hexachlorobutadiene

Concen: 47.223 ug/l

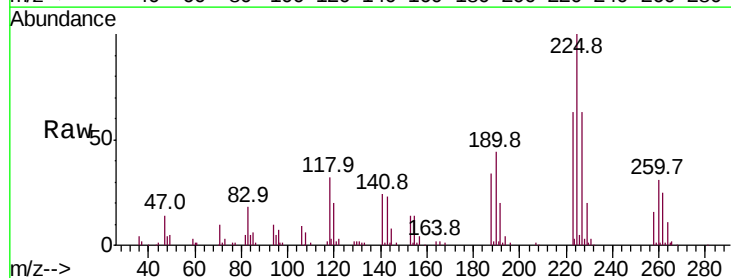
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

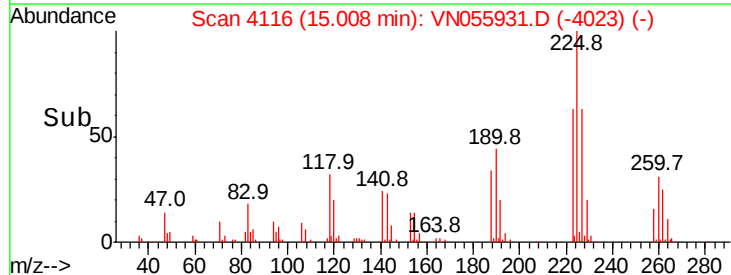
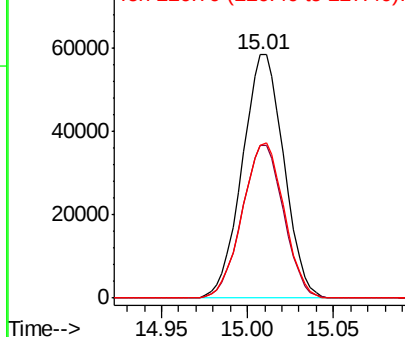
Lab File: VN055931.D

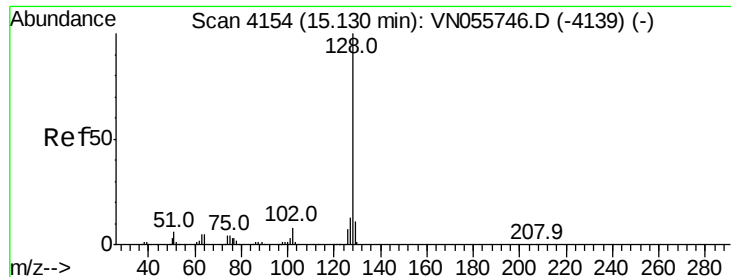
Acq: 31 May 2019 20:09

Tgt Ion:	225	Resp:	98129
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.9	92.7
227	63.9	31.6	94.7



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





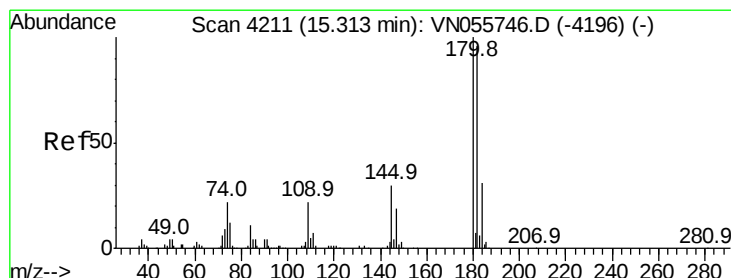
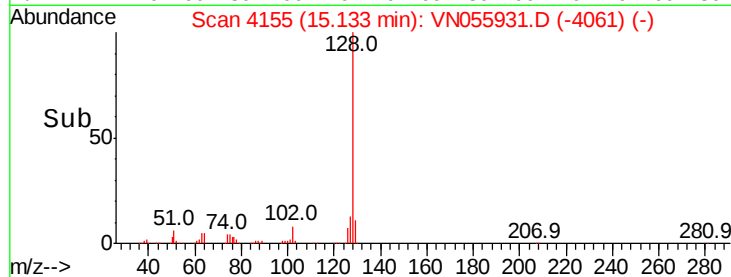
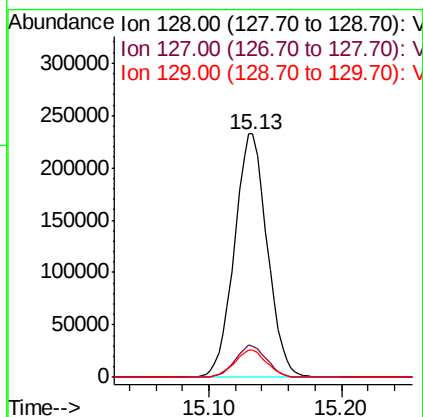
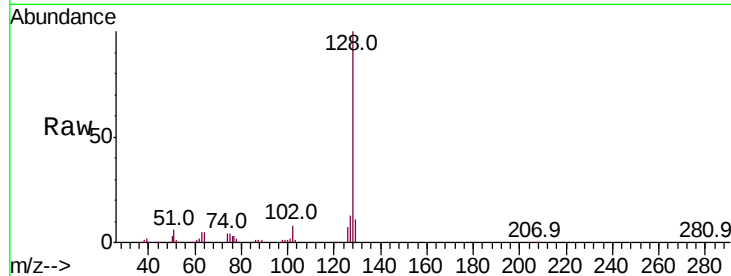
#95
Naphthalene
Concen: 49.310 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 49.489 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	30.4	14.9	44.7

