

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055935.D
 Acq On : 31 May 2019 22:40
 Operator : JC/SP
 Sample : VN0531WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:32 PM

Quant Time: Jun 03 08:56:39 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	300237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	399497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	166121	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.59	113	143237	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.09	98	544327	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	176031	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	35855	17.744	ug/l	98
3) Chloromethane	2.06	50	50577	17.865	ug/l	99
4) Vinyl Chloride	2.19	62	54388	18.012	ug/l	99
5) Bromomethane	2.54	94	39360	20.835	ug/l	98
6) Chloroethane	2.69	64	36057	19.833	ug/l	100
7) Trichlorofluoromethane	3.00	101	74520	18.824	ug/l	99
8) Diethyl Ether	3.40	74	34855	19.644	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	46908	18.982	ug/l	100
10) Methyl Iodide	3.94	142	65893	18.238	ug/l	100
11) Tert butyl alcohol	4.82	59	57179	96.517	ug/l	100
12) 1,1-Dichloroethene	3.72	96	46741	18.305	ug/l	96
13) Acrolein	3.60	56	23066	54.375	ug/l	94
14) Allyl chloride	4.31	41	76476	17.471	ug/l	98
15) Acrylonitrile	4.99	53	138100	101.517	ug/l	99
16) Acetone	3.82	43	118423	86.887	ug/l	99
17) Carbon Disulfide	4.04	76	95479	13.161	ug/l	100
18) Methyl Acetate	4.33	43	65990	23.137	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	167537	19.673	ug/l	99
20) Methylene Chloride	4.55	84	58148	19.700	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	50922	18.563	ug/l	97
22) Diisopropyl ether	5.96	45	169878	19.953	ug/l	98
23) Vinyl Acetate	5.90	43	677724	92.844	ug/l	99
24) 1,1-Dichloroethane	5.84	63	95878	19.342	ug/l	99
25) 2-Butanone	6.84	43	185155	97.272	ug/l	98
26) 2,2-Dichloropropane	6.82	77	59152	13.788	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	62435	19.508	ug/l	97
28) Bromochloromethane	7.19	49	49660	21.042	ug/l	98
29) Tetrahydrofuran	7.22	42	122863	101.925	ug/l	100
30) Chloroform	7.37	83	98237	19.872	ug/l	98
31) Cyclohexane	7.65	56	85791	18.434	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	82277	18.651	ug/l	99
36) 1,1-Dichloropropene	7.79	75	69137	17.332	ug/l	99
37) Ethyl Acetate	6.93	43	74390	19.295	ug/l	99
38) Carbon Tetrachloride	7.77	117	67810	16.320	ug/l	96

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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	82442	16.690	ug/l	99
40) Benzene	8.04	78	227501	18.923	ug/l	99
41) Methacrylonitrile	7.17	41	34569	17.748	ug/l	96
42) 1,2-Dichloroethane	8.12	62	76930	19.583	ug/l	98
43) Isopropyl Acetate	8.17	43	115758	17.870	ug/l #	92
44) Trichloroethene	8.83	130	62720	18.714	ug/l	96
45) 1,2-Dichloropropane	9.12	63	60470	19.305	ug/l	99
46) Dibromomethane	9.21	93	39780	19.365	ug/l	98
47) Bromodichloromethane	9.40	83	73235	17.387	ug/l	97
48) Methyl methacrylate	9.20	41	57272	19.184	ug/l	98
49) 1,4-Dioxane	9.20	88	25251	407.014	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	370977	96.968	ug/l	100
52) Toluene	10.15	92	141693	18.740	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	70292	15.634	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	82691	16.602	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	58798	19.411	ug/l	99
56) Ethyl methacrylate	10.43	69	86641	18.508	ug/l	98
57) 1,3-Dichloropropane	10.71	76	95172	19.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	150644	84.205	ug/l	100
59) 2-Hexanone	10.75	43	252391	92.995	ug/l	100
60) Dibromochloromethane	10.90	129	56188	15.923	ug/l	99
61) 1,2-Dibromoethane	11.00	107	58261	18.543	ug/l	97
64) Tetrachloroethene	10.63	164	64067	19.014	ug/l	99
65) Chlorobenzene	11.43	112	152263	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	55340	17.350	ug/l	99
67) Ethyl Benzene	11.51	91	266863	18.607	ug/l	100
68) m/p-Xylenes	11.62	106	200553	36.990	ug/l	99
69) o-Xylene	11.95	106	100787	18.736	ug/l	99
70) Styrene	11.96	104	159503	18.310	ug/l	100
71) Bromoform	12.13	173	38239	14.055	ug/l #	99
73) Isopropylbenzene	12.25	105	264497	22.434	ug/l	100
74) N-amyl acetate	12.07	43	91585	20.394	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	80092	22.627	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	66848m	23.275	ug/l	
77) Bromobenzene	12.53	156	67574	20.358	ug/l	99
78) n-propylbenzene	12.59	91	266053	19.679	ug/l	100
79) 2-Chlorotoluene	12.67	91	168612	21.712	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	212248	21.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16304	14.102	ug/l #	86
82) 4-Chlorotoluene	12.77	91	155447	19.560	ug/l	99
83) tert-Butylbenzene	12.99	119	195686	22.651	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	206132	20.801	ug/l	99
85) sec-Butylbenzene	13.17	105	240079	21.585	ug/l	99
86) p-Isopropyltoluene	13.29	119	211612	19.589	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	99762	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93221	18.655	ug/l	97
89) n-Butylbenzene	13.61	91	145131	17.534	ug/l	99
90) Hexachloroethane	13.87	117	32692	15.900	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	103683	19.772	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11887	17.247	ug/l	97

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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	39165	15.674	ug/l	99
94) Hexachlorobutadiene	15.01	225	35309	17.963	ug/l	97
95) Naphthalene	15.13	128	113439	15.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45619	16.457	ug/l	98

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

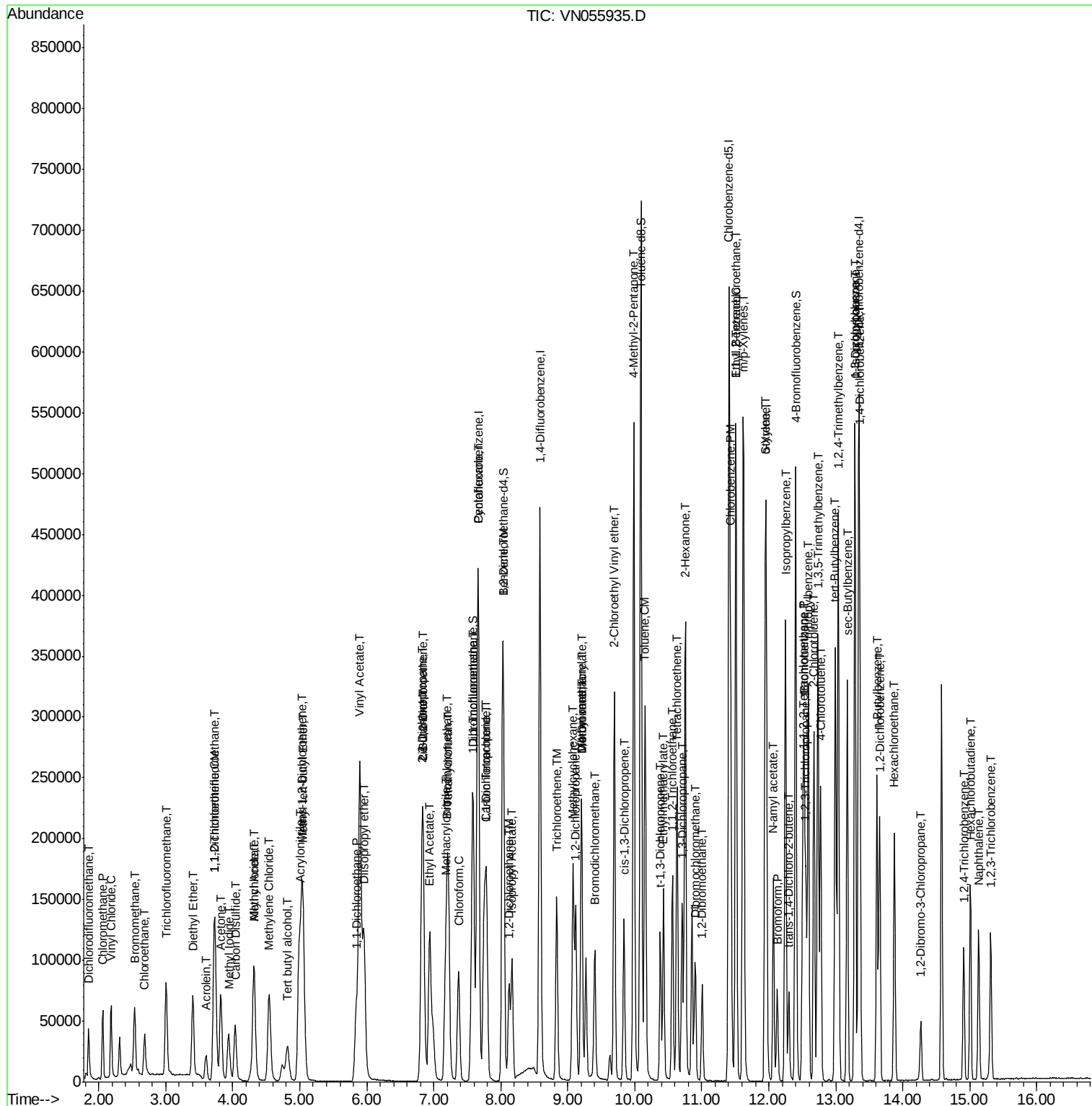
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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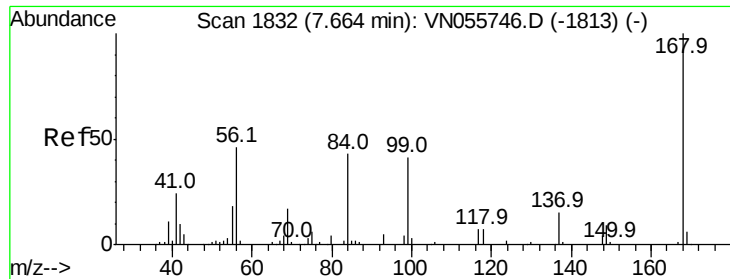
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion:168 Resp: 300237

Ion Ratio Lower Upper

168 100

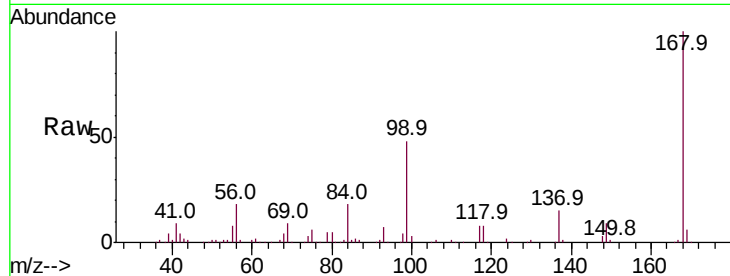
99 47.4 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

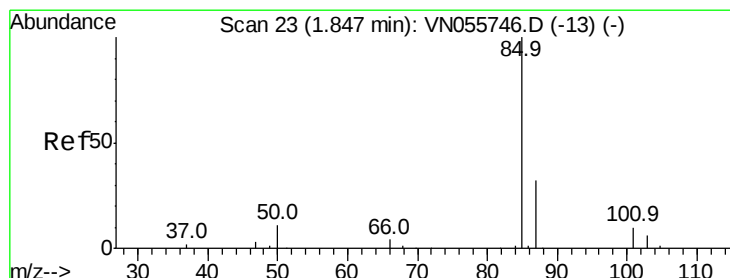
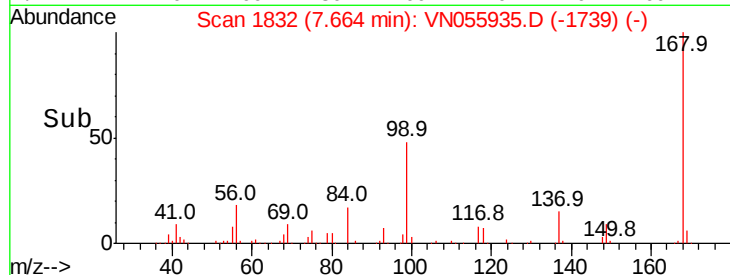
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.744 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055935.D

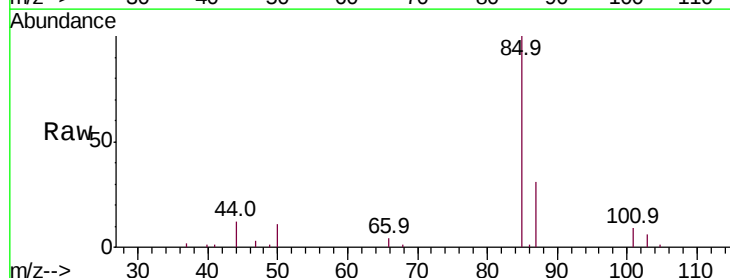
Acq: 31 May 2019 22:40

Tgt Ion: 85 Resp: 35855

Ion Ratio Lower Upper

85 100

87 31.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

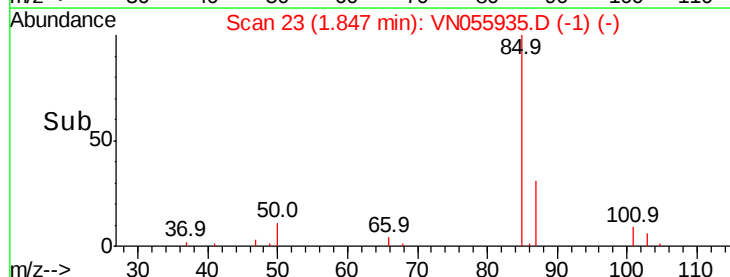
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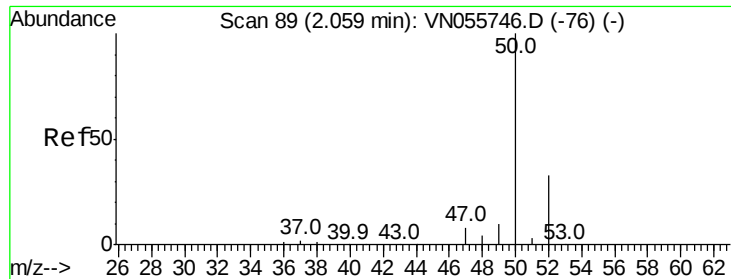
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5000

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Time-->





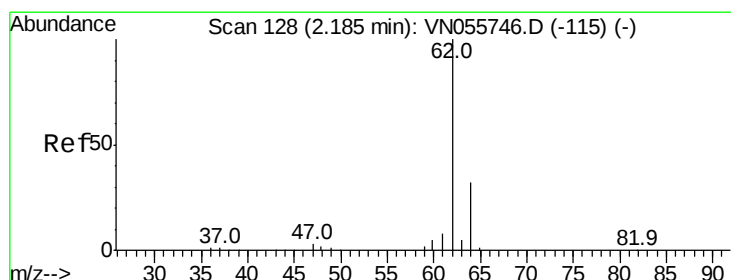
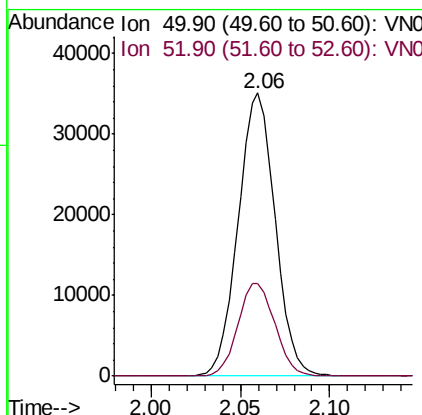
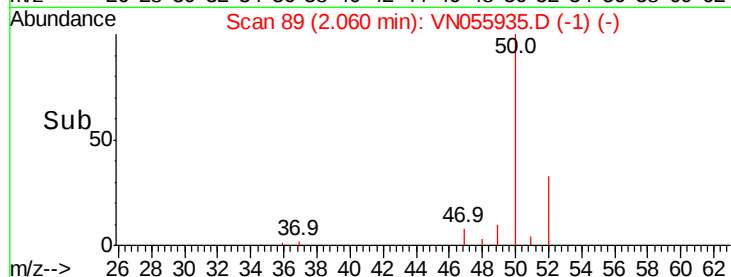
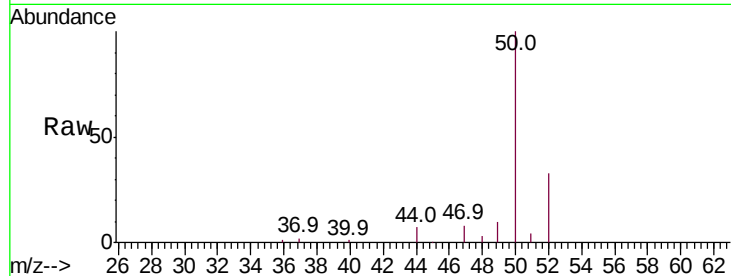
#3
Chloromethane
Concen: 17.865 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion: 50 Resp: 50577
Ion Ratio Lower Upper
50 100
52 32.7 26.6 40.0

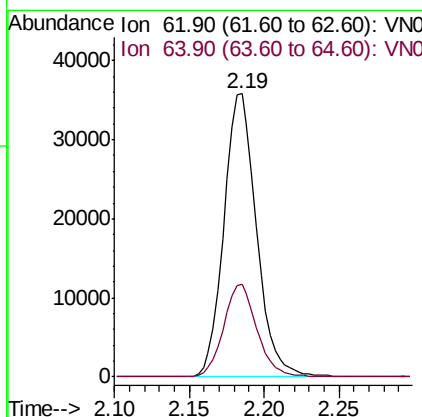
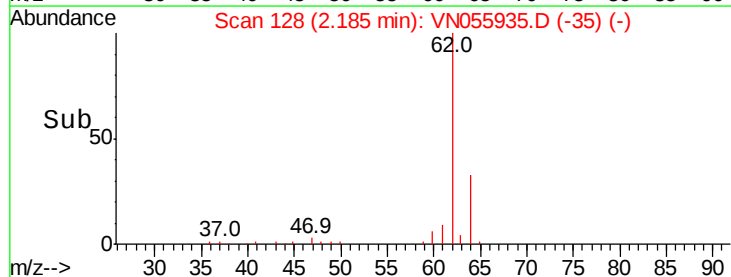
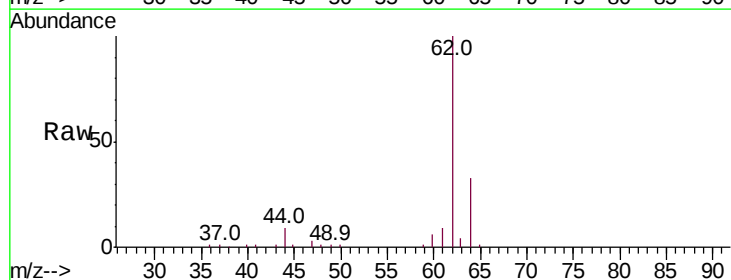
Manual Integrations
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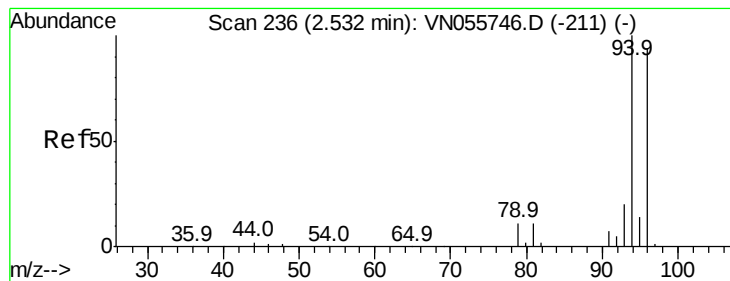
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#4
Vinyl Chloride
Concen: 18.012 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 62 Resp: 54388
Ion Ratio Lower Upper
62 100
64 32.8 25.6 38.4





#5

Bromomethane

Concen: 20.835 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 94 Resp: 39360

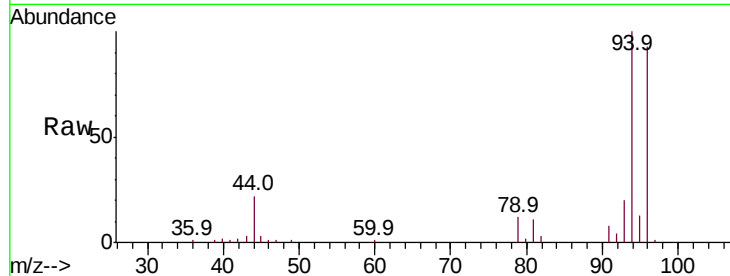
Ion Ratio Lower Upper

94 100

96 92.7 75.5 113.3

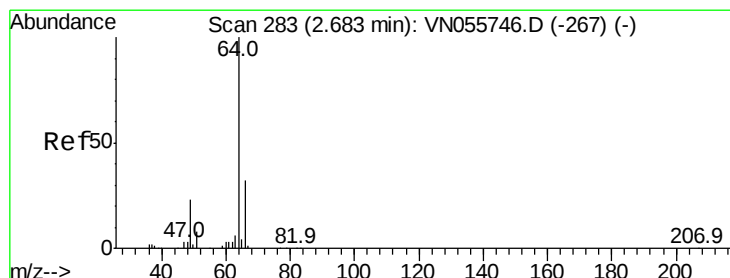
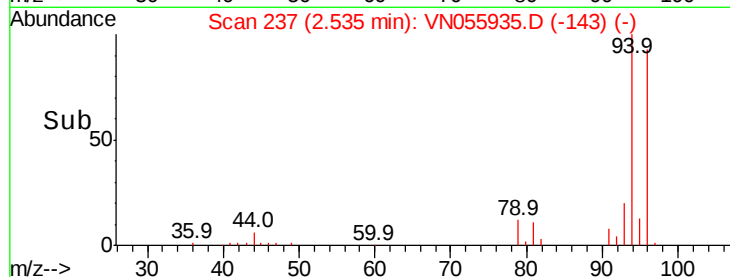
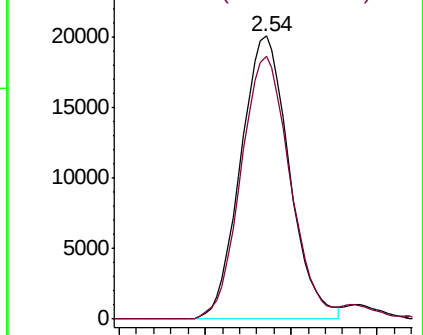
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.833 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055935.D

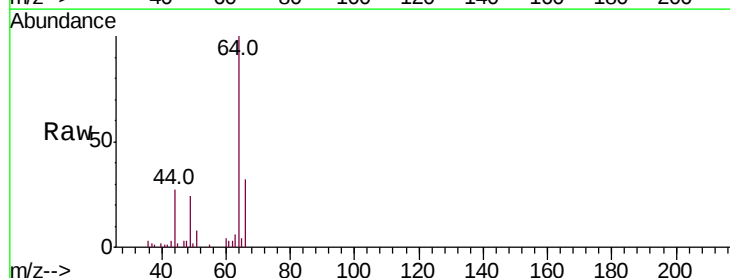
Acq: 31 May 2019 22:40

Tgt Ion: 64 Resp: 36057

Ion Ratio Lower Upper

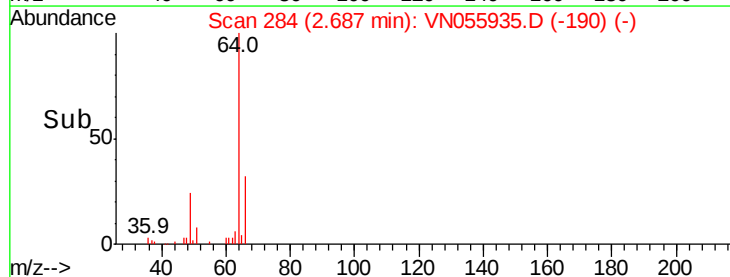
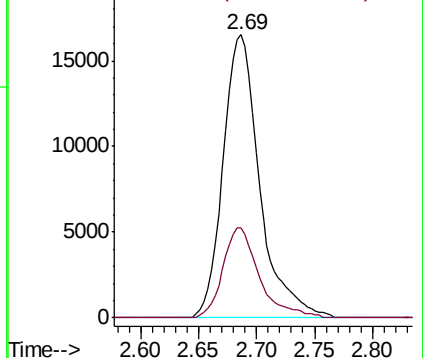
64 100

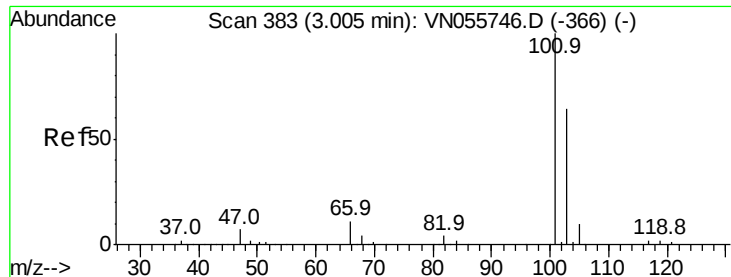
66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

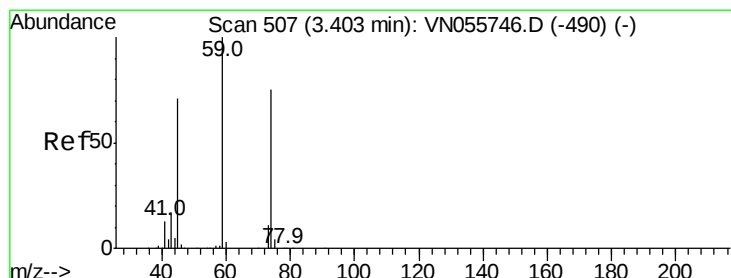
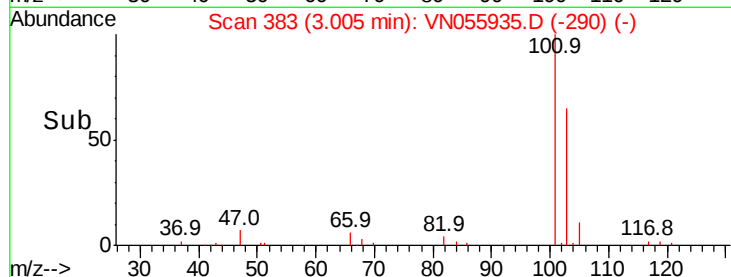
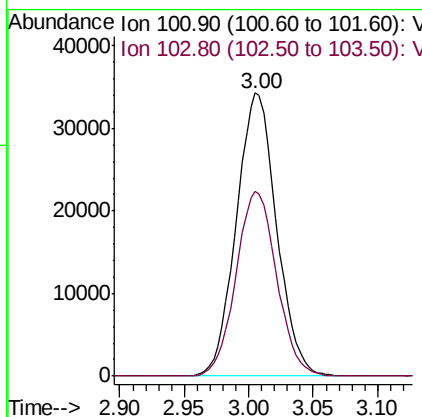
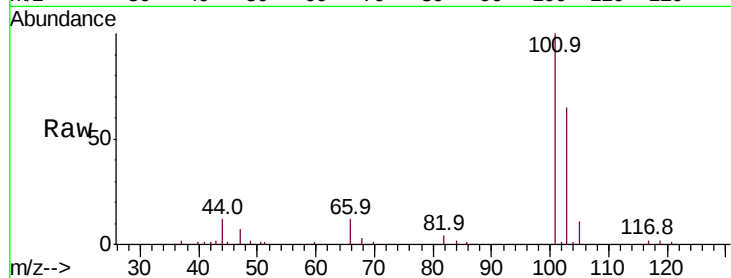
Trichlorofluoromethane
Concen: 18.824 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion:101 Resp: 74520
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

Manual Integrations
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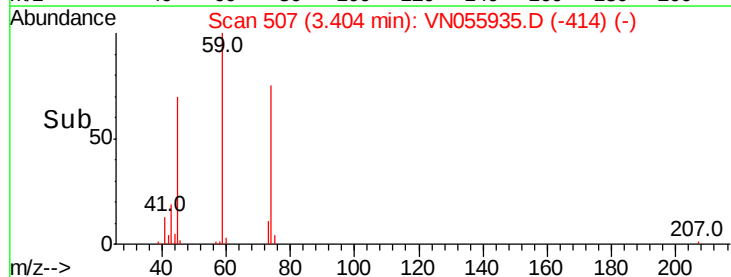
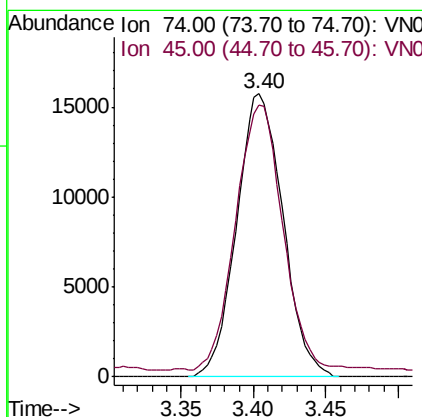
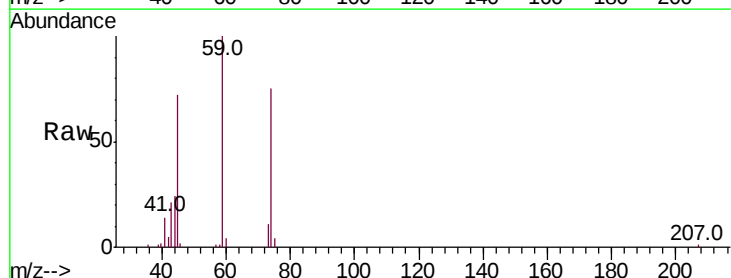
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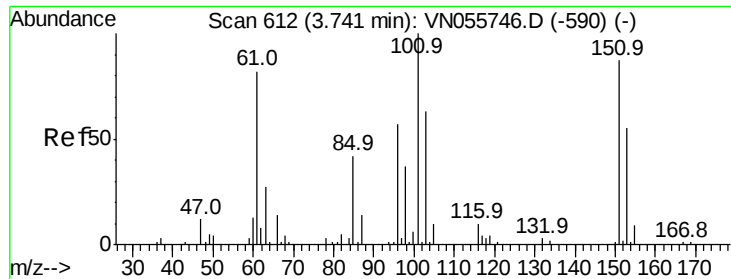


#8

Diethyl Ether
Concen: 19.644 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 74 Resp: 34855
Ion Ratio Lower Upper
74 100
45 95.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.982 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

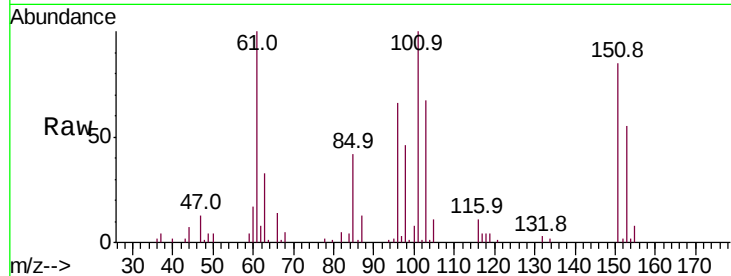
ClientSampleId :

VN0531WBS02

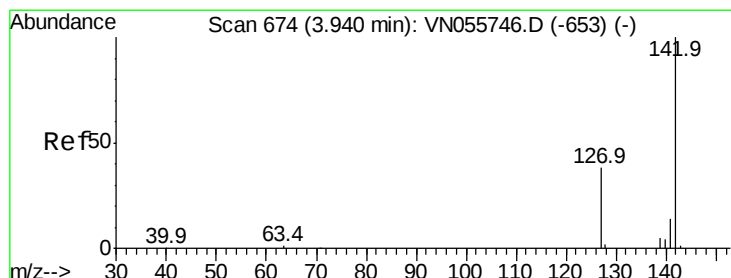
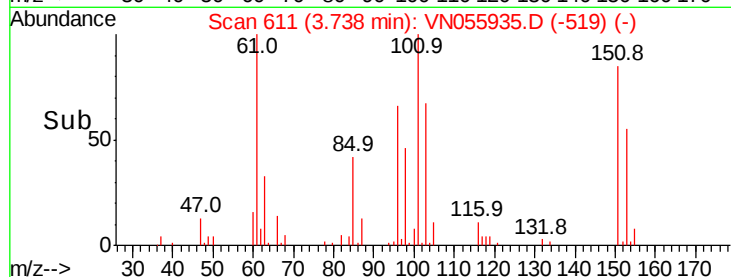
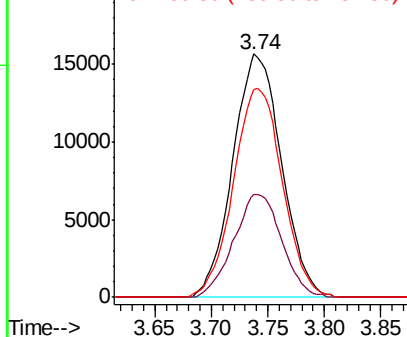
Tot Ion:	101	Resp:	46908
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	86.3	69.4	104.2

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



#10

Methyl Iodide

Concen: 18.238 ug/l

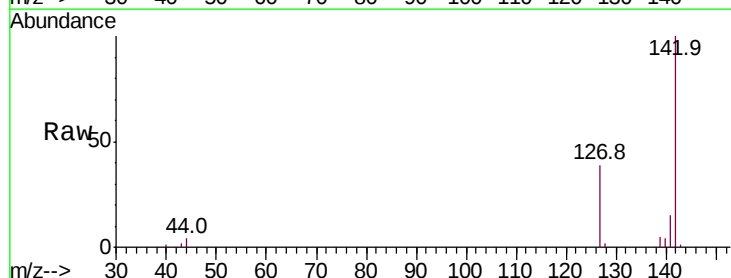
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

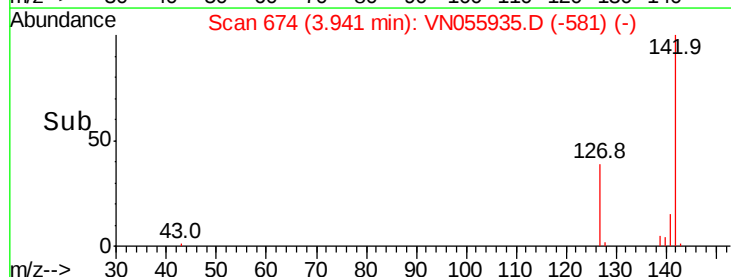
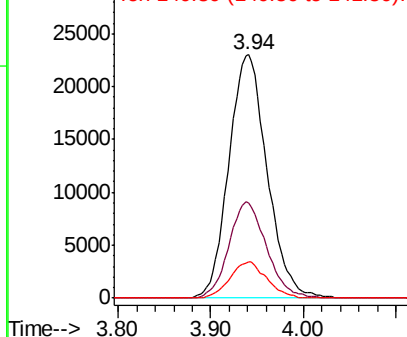
Lab File: VN055935.D

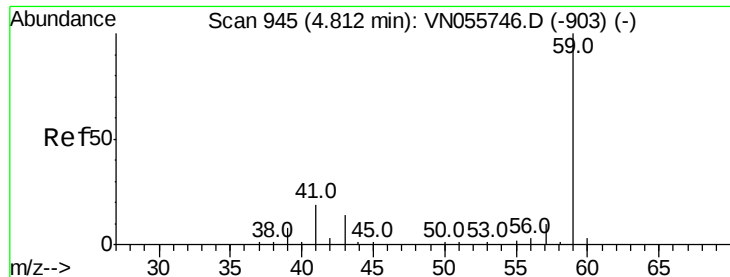
Acq: 31 May 2019 22:40

Tgt Ion:	142	Resp:	65893
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.2	11.4	17.0



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





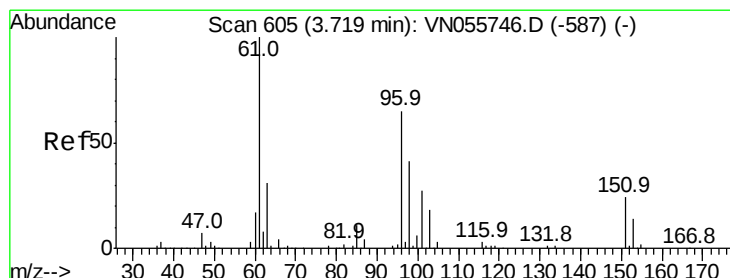
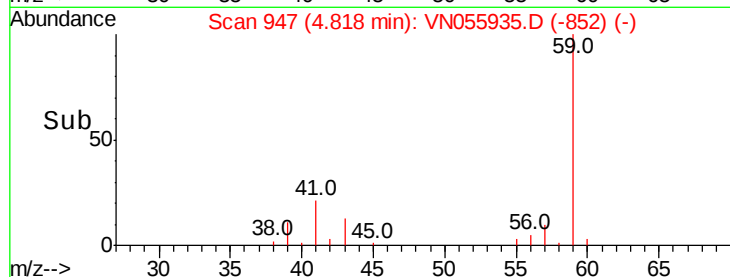
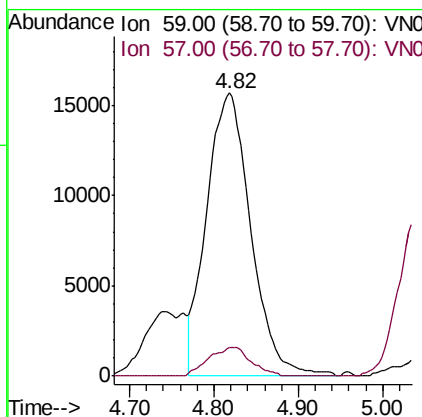
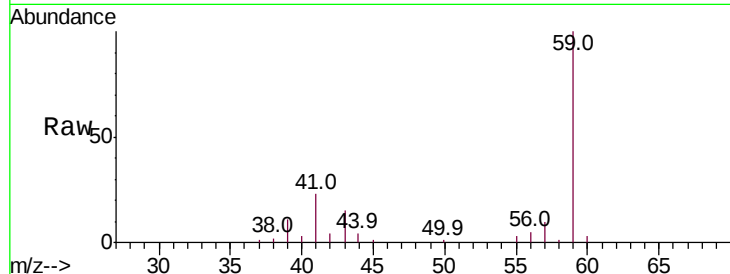
#11
Tert butyl alcohol
Concen: 96.517 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion: 59 Resp: 57179
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6

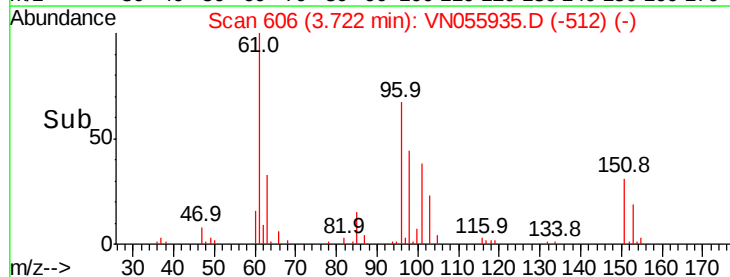
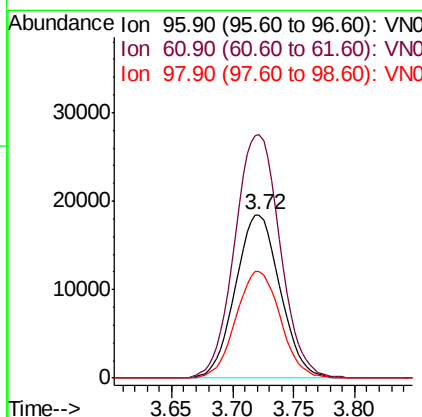
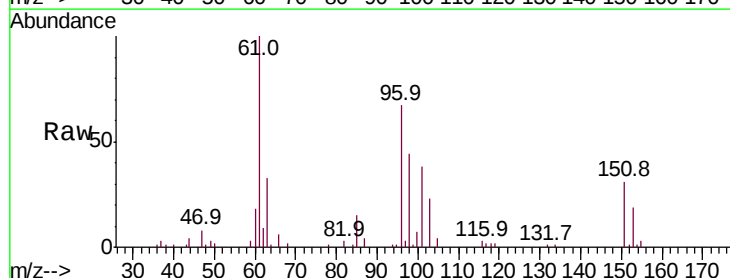
Manual Integrations
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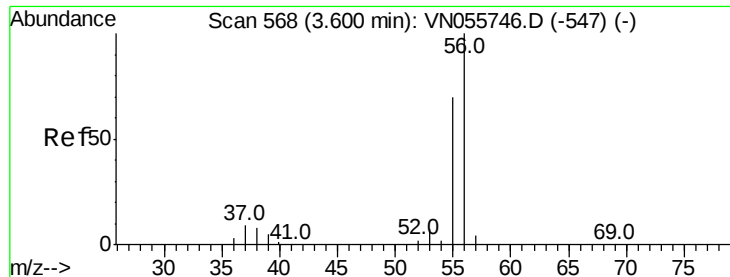
MMDadoda
6/3/2019 4:12:32 PM



#12
1,1-Dichloroethene
Concen: 18.305 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 96 Resp: 46741
Ion Ratio Lower Upper
96 100
61 149.4 123.2 184.8
98 65.8 50.4 75.6





#13

Acrolein

Concen: 54.375 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 56 Resp: 23066

Ion Ratio Lower Upper

56 100

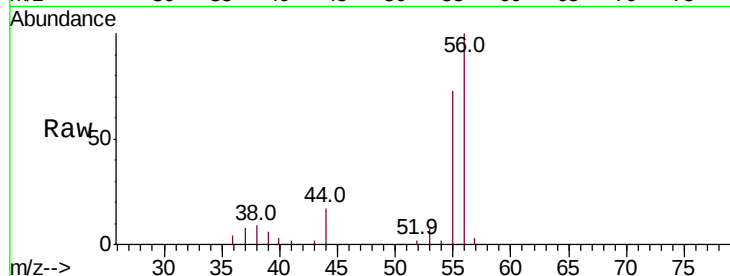
55 74.2 55.4 83.2

Manual Integrations

APPROVED

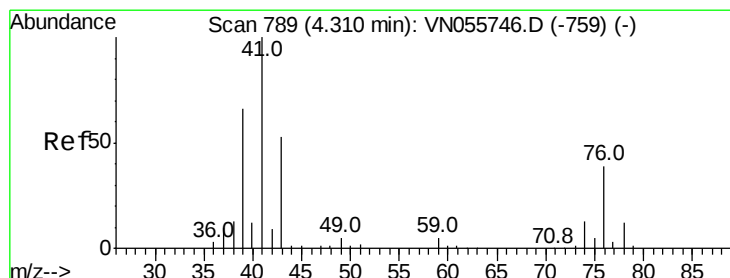
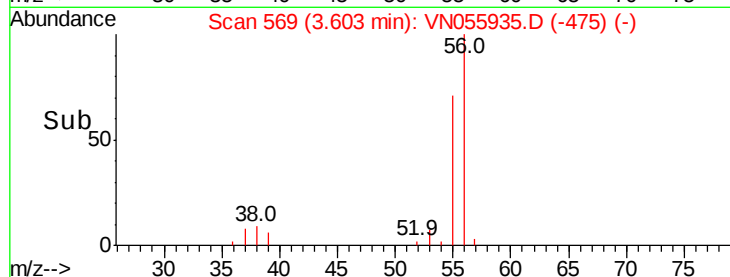
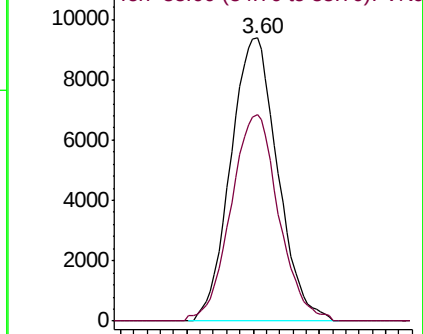
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.471 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

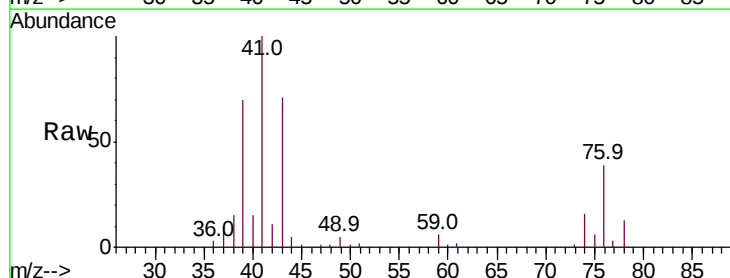
Tgt Ion: 41 Resp: 76476

Ion Ratio Lower Upper

41 100

39 63.2 50.0 75.0

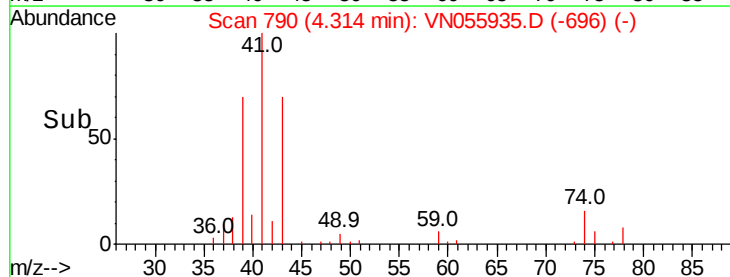
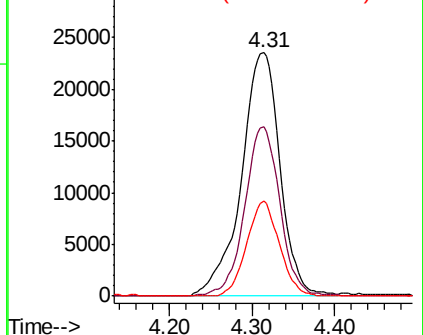
76 32.9 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





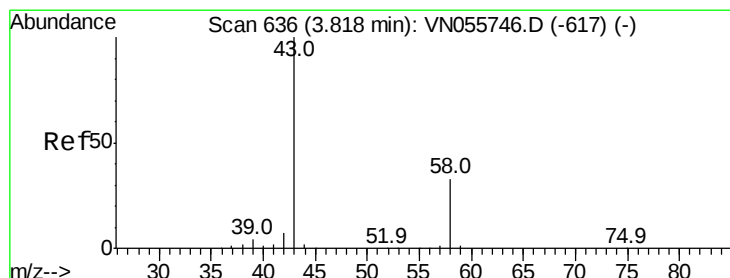
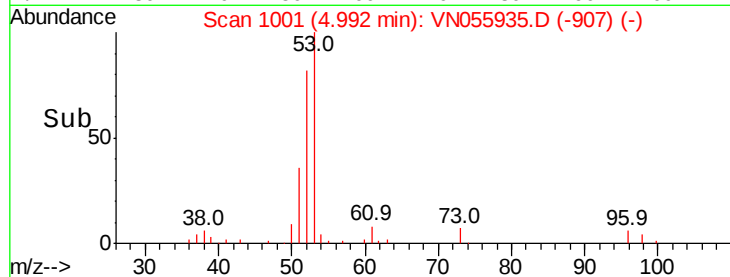
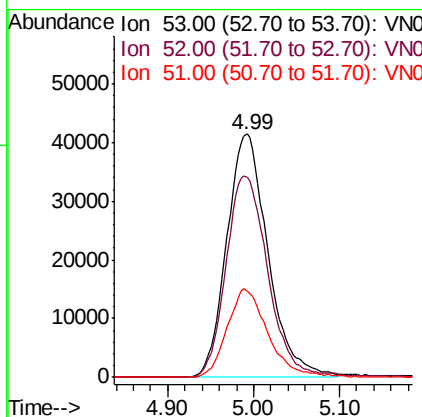
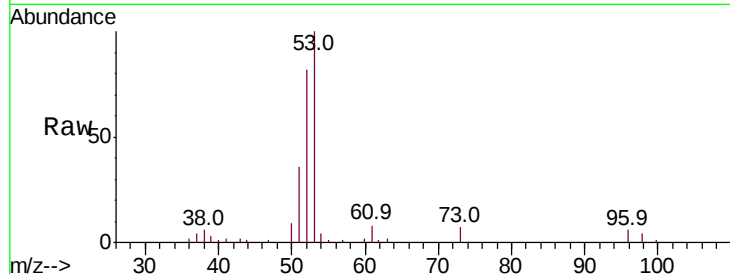
#15
 Acrylonitrile
 Concen: 101.517 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.8	98.8
51	35.6	28.2	42.4

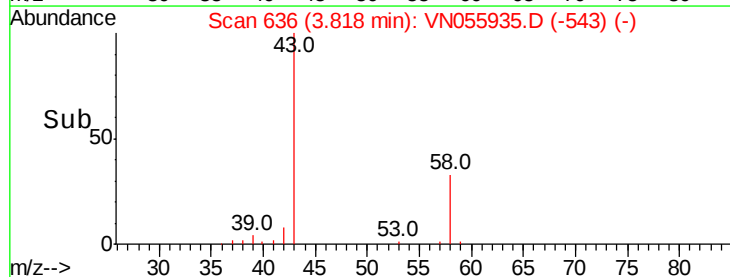
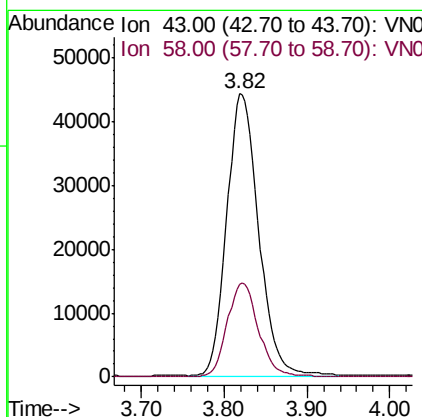
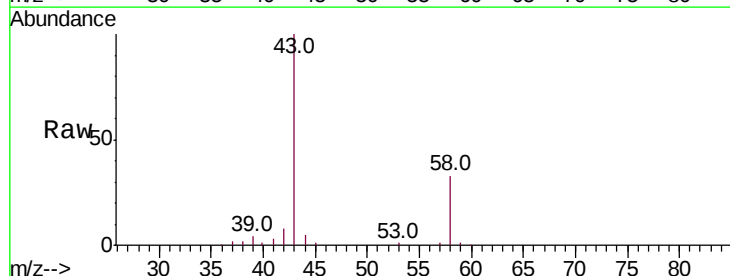
Manual Integrations
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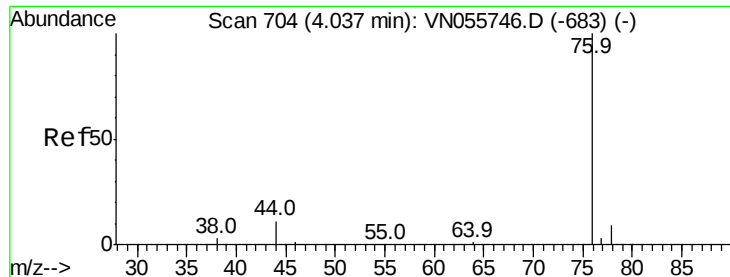
MMDadoda
 6/3/2019 4:12:32 PM



#16
 Acetone
 Concen: 86.887 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.6	39.8





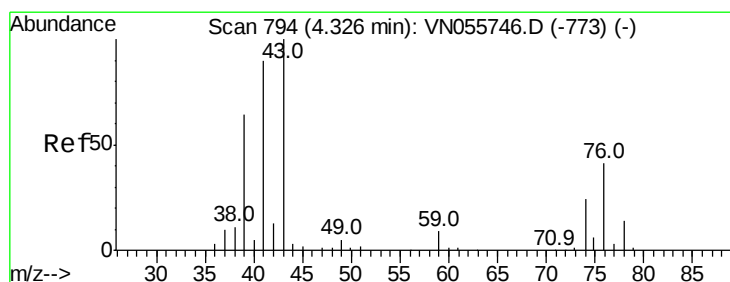
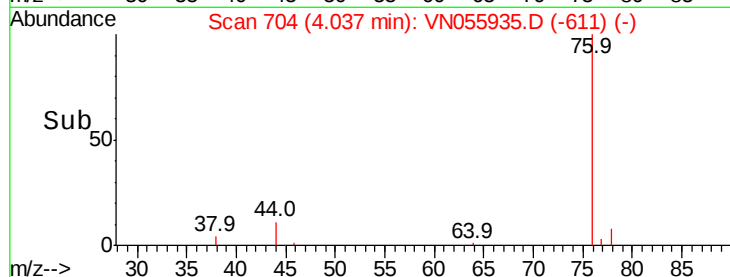
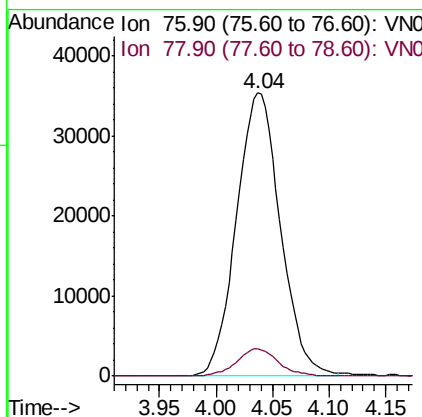
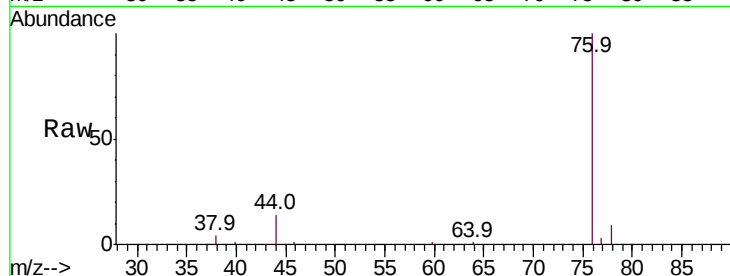
#17
Carbon Disulfide
Concen: 13.161 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion: 76 Resp: 95479
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

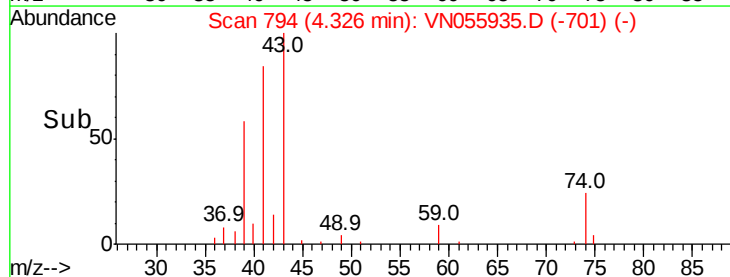
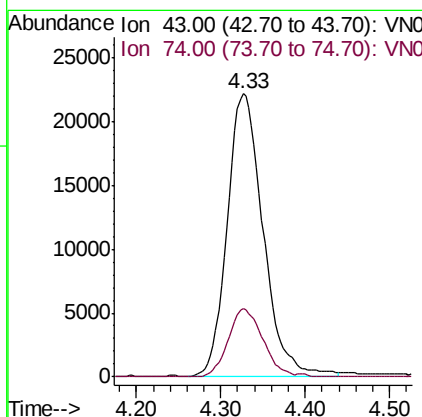
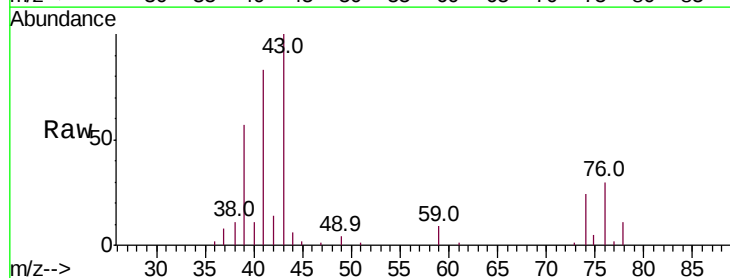
Manual Integrations
APPROVED

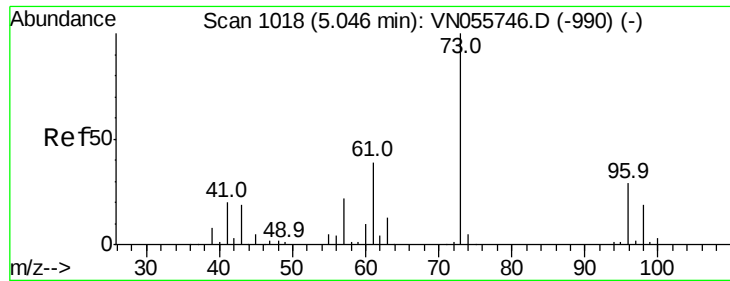
MMDadoda
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#18
Methyl Acetate
Concen: 23.137 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 43 Resp: 65990
Ion Ratio Lower Upper
43 100
74 23.0 19.3 28.9





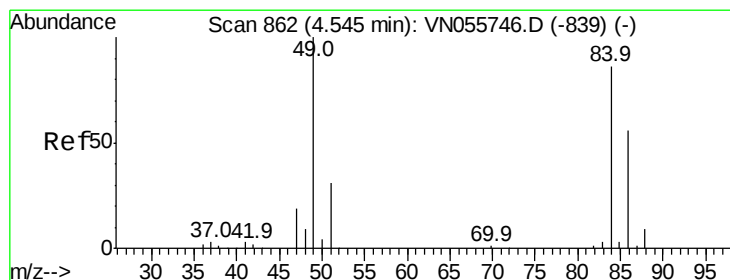
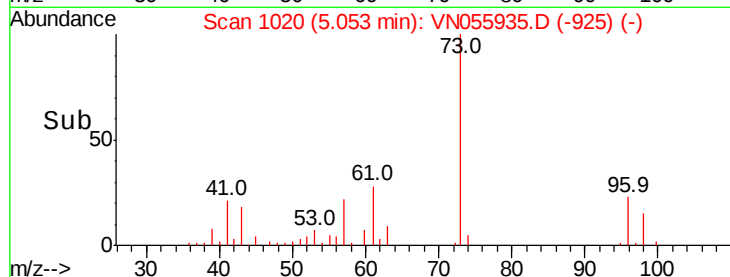
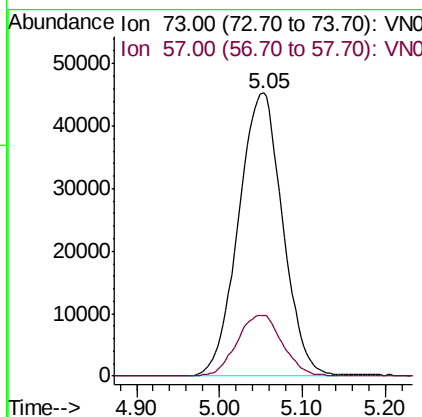
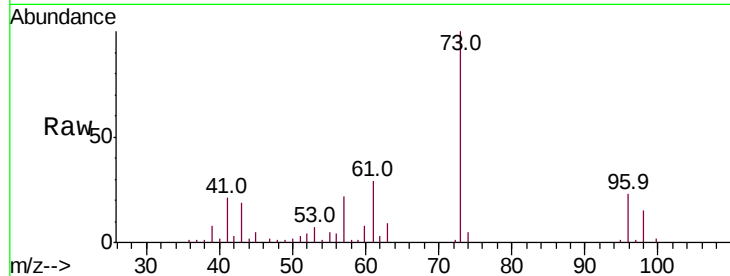
#19
Methyl tert-butyl Ether
Concen: 19.673 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :
VN0531WBS02

Tot Ion: 73 Resp: 167537
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

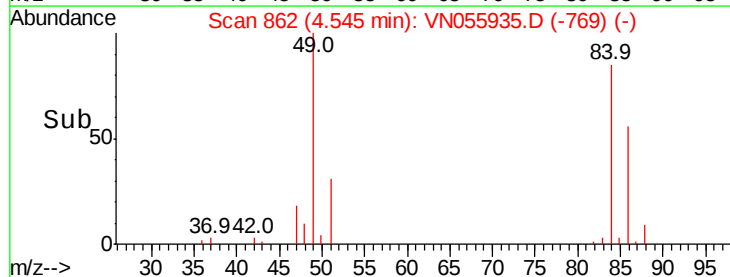
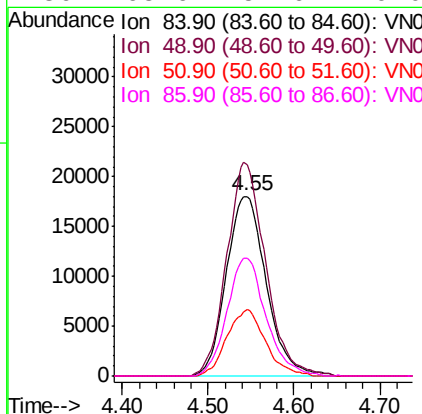
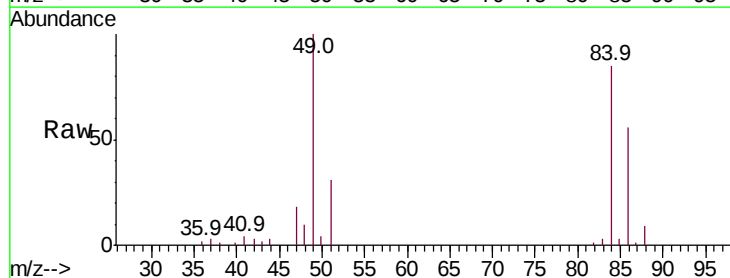
Manual Integrations
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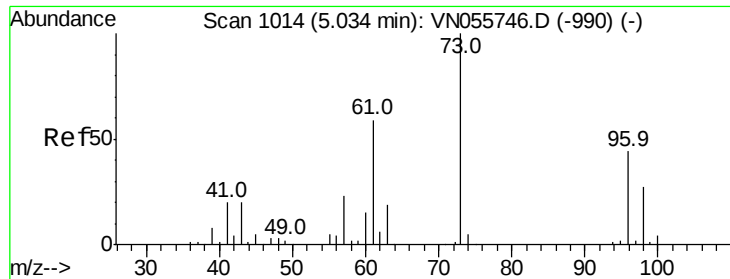
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#20
Methylene Chloride
Concen: 19.700 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 84 Resp: 58148
Ion Ratio Lower Upper
84 100
49 117.4 93.5 140.3
51 37.0 28.6 43.0
86 65.6 52.6 79.0





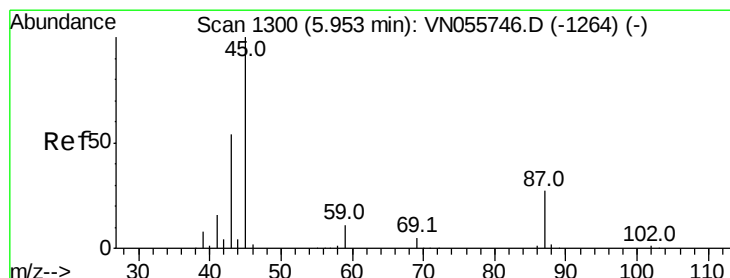
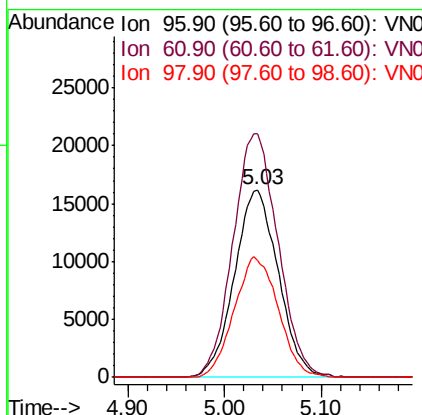
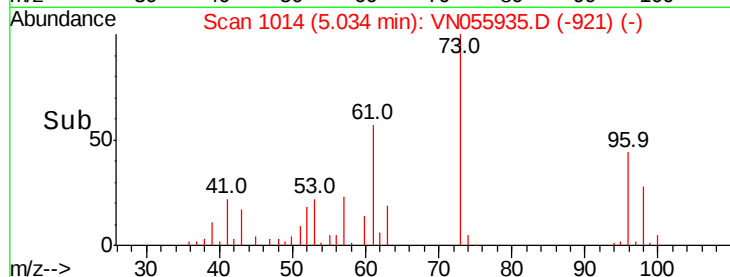
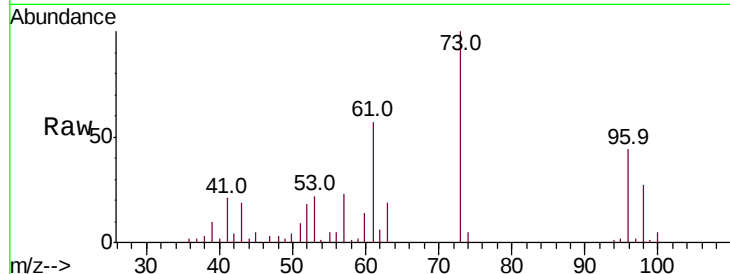
#21
trans-1,2-Dichloroethene
Concen: 18.563 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	107.8	161.8
98	62.5	49.8	74.8

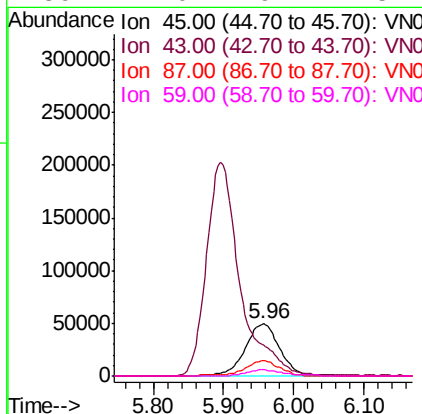
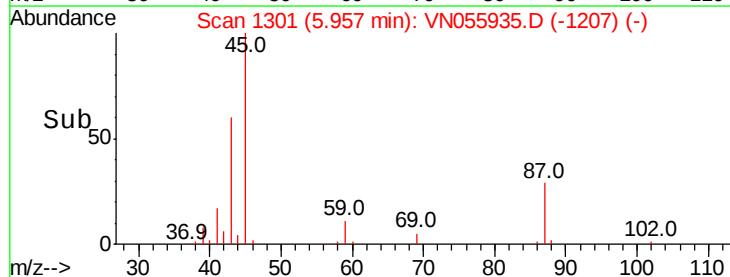
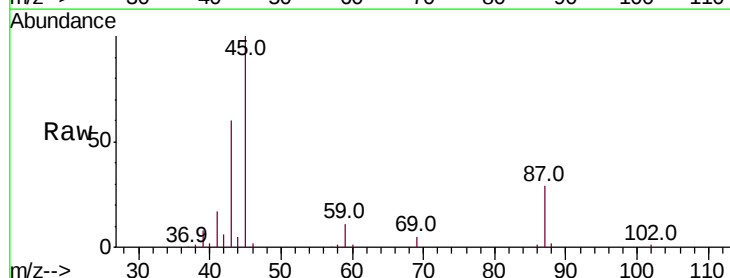
Manual Integrations
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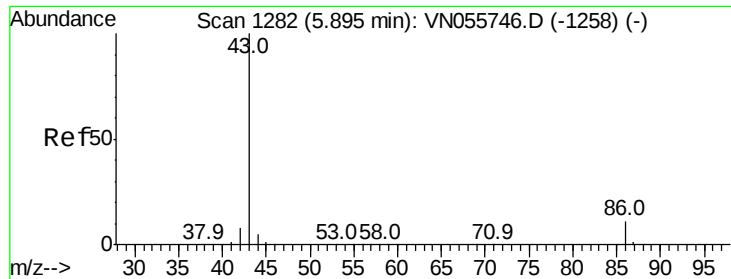
MMDadoda
6/3/2019 4:12:32 PM



#22
Diisopropyl ether
Concen: 19.953 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.0	67.6
87	28.5	22.2	33.4
59	11.0	9.1	13.7





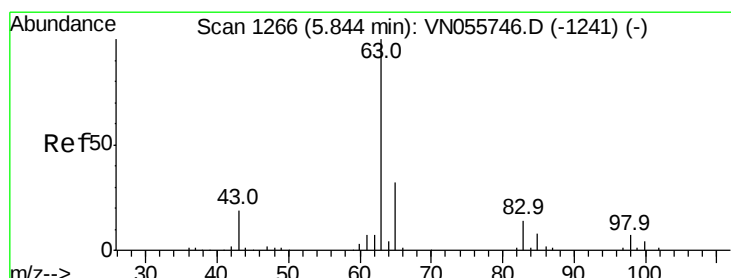
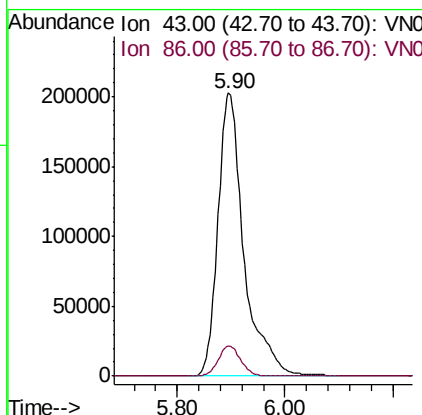
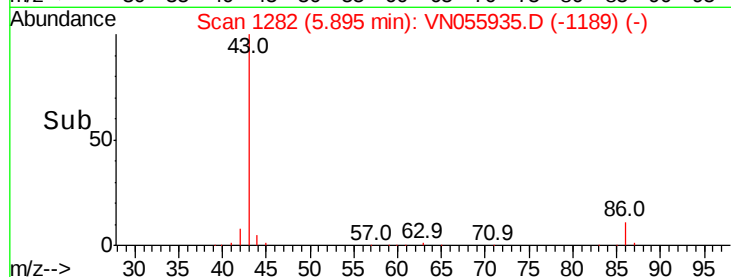
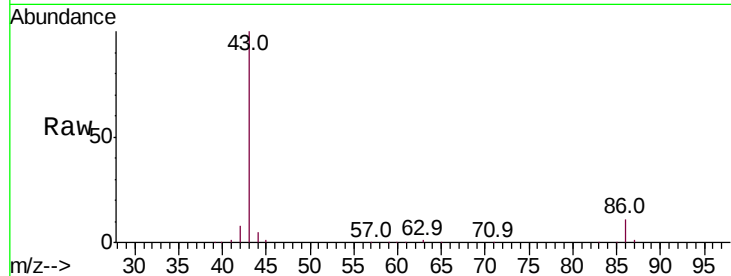
#23
 Vinyl Acetate
 Concen: 92.844 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion: 43 Resp: 677724
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0

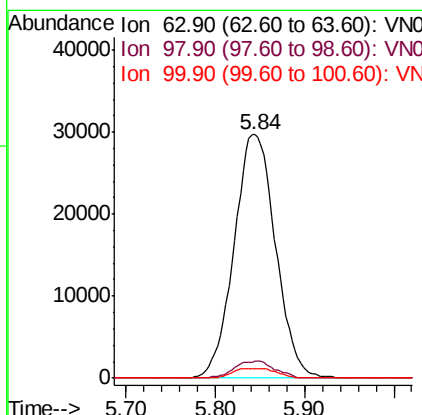
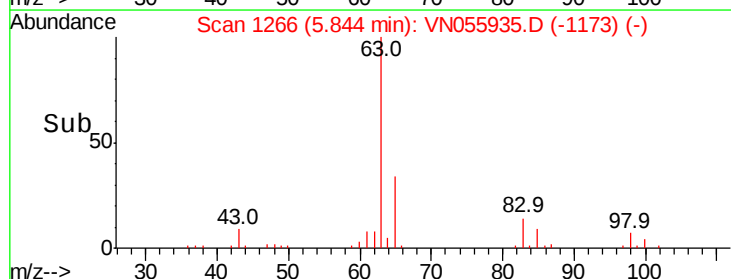
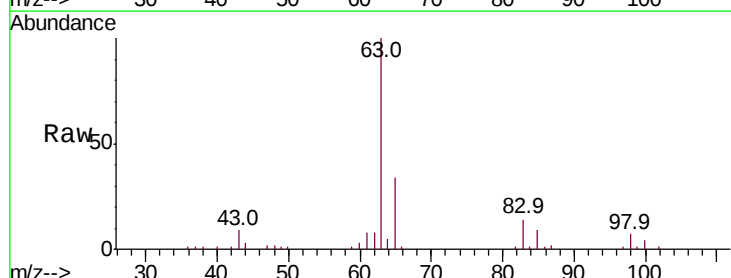
Manual Integrations
 APPROVED

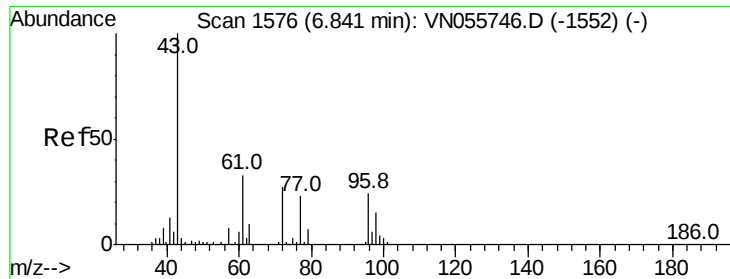
MMDadoda
 6/3/2019 4:12:32 PM



#24
 1,1-Dichloroethane
 Concen: 19.342 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion: 63 Resp: 95878
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 3.7 2.2 6.6





#25

2-Butanone

Concen: 97.272 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 43 Resp: 185155

Ion Ratio Lower Upper

43 100

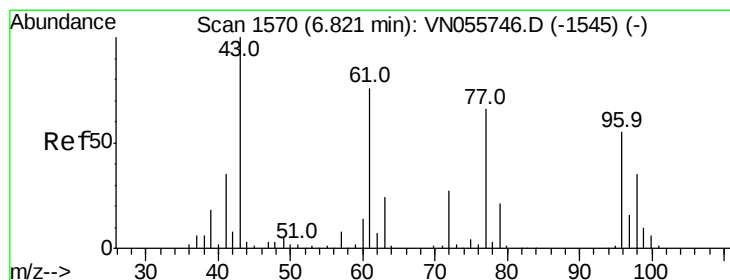
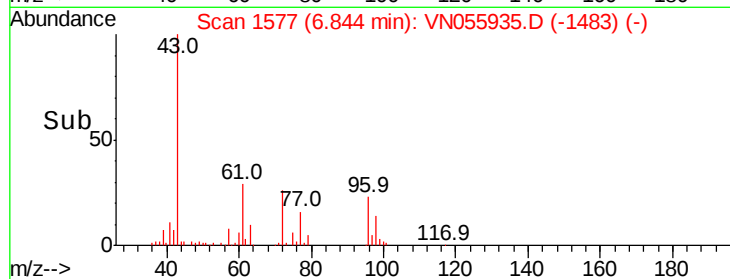
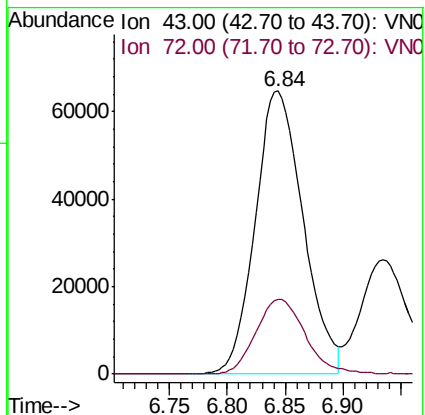
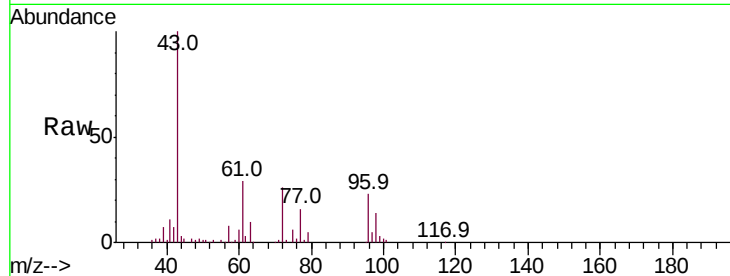
72 26.4 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 13.788 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055935.D

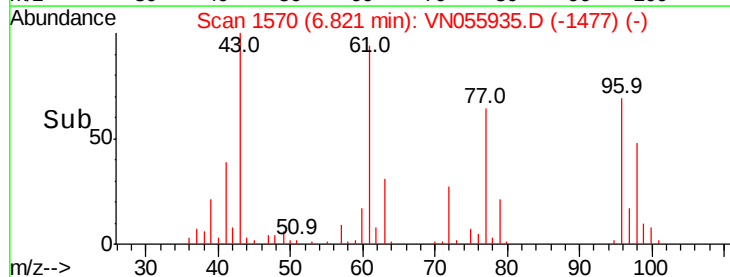
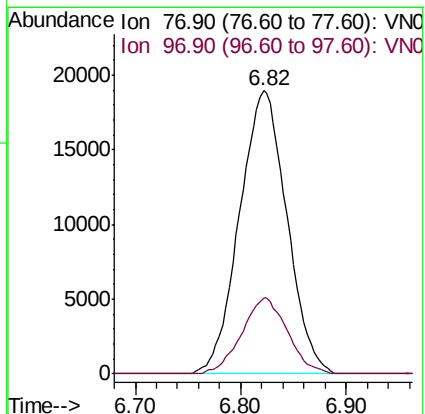
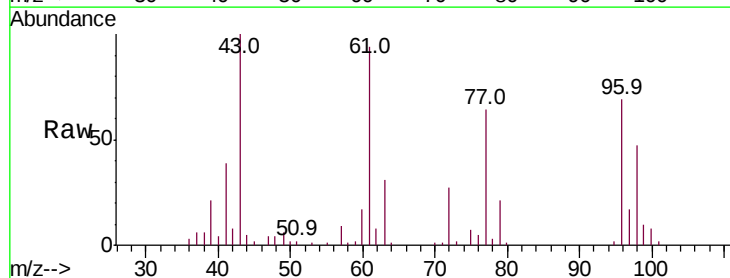
Acq: 31 May 2019 22:40

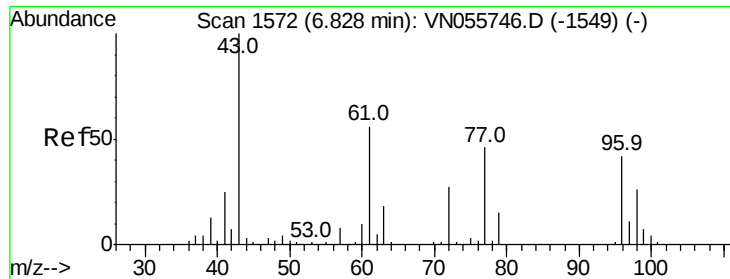
Tgt Ion: 77 Resp: 59152

Ion Ratio Lower Upper

77 100

97 25.9 12.2 36.6





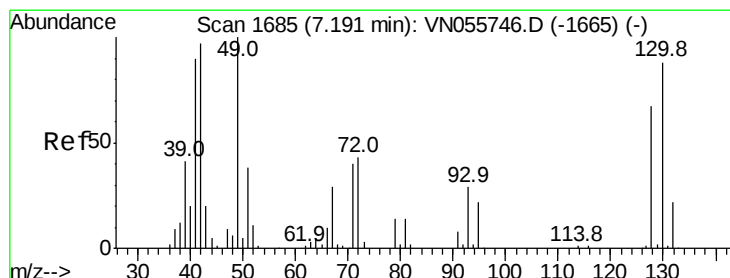
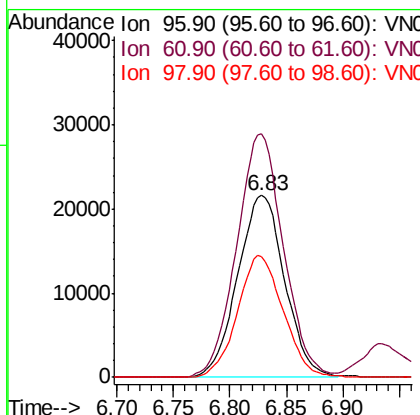
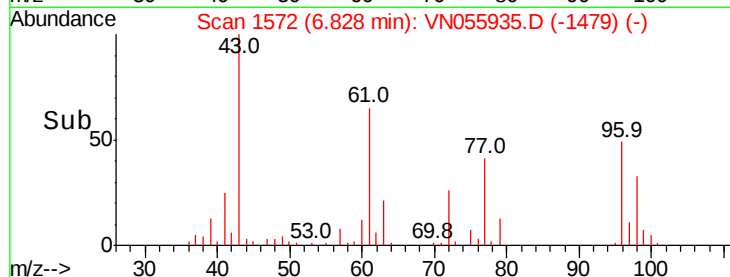
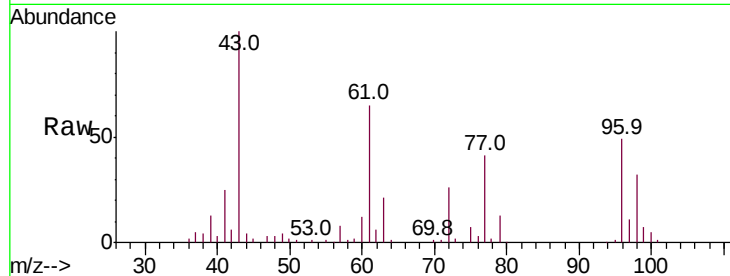
#27
 cis-1,2-Dichloroethene
 Concen: 19.508 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	275.8
98	65.0	0.0	128.4

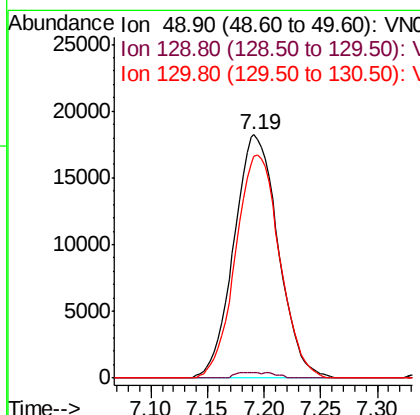
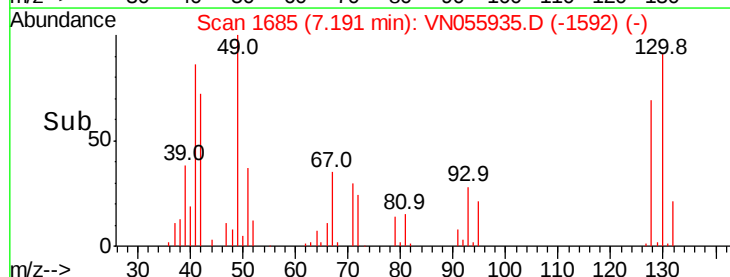
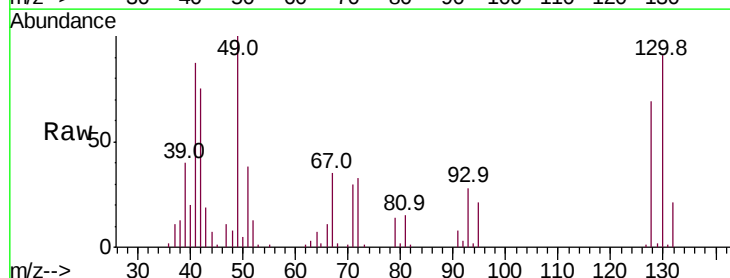
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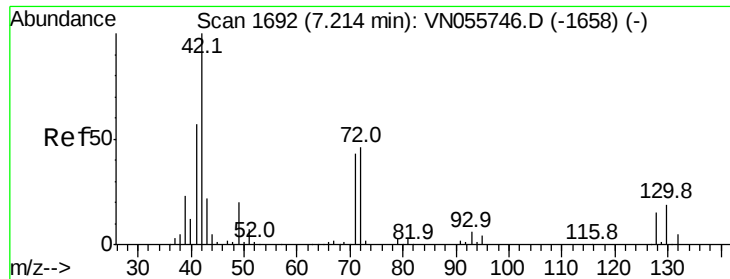
MMDadoda
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#28
 Bromochloromethane
 Concen: 21.042 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	91.1	71.2	106.8





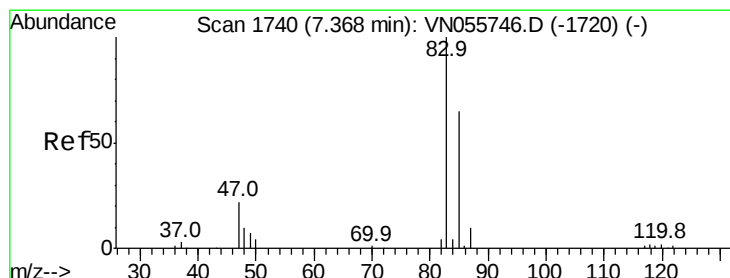
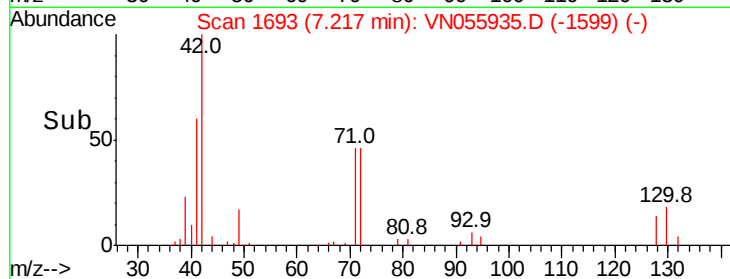
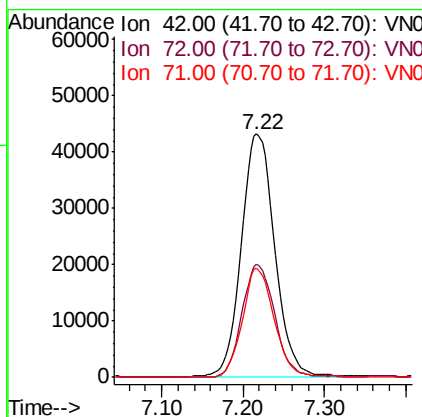
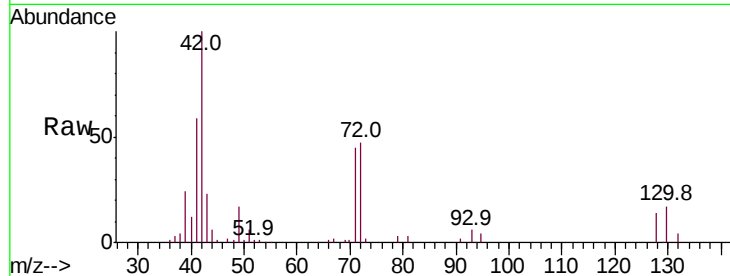
#29
Tetrahydrofuran
Concen: 101.925 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.2	34.0	51.0

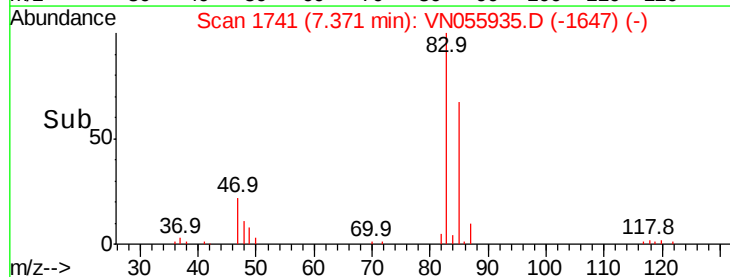
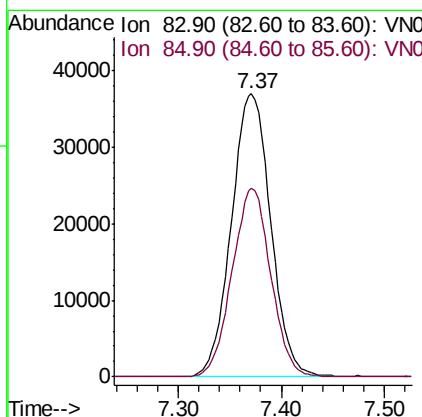
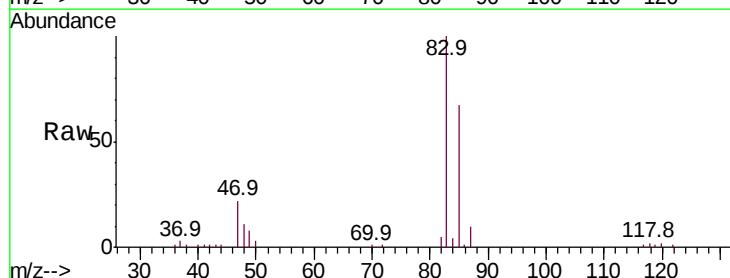
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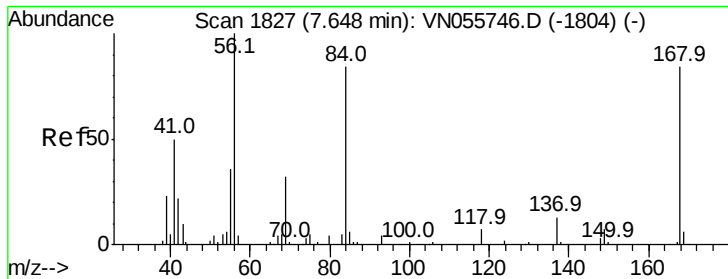
MMDadoda
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#30
Chloroform
Concen: 19.872 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.8





#31

Cyclohexane

Concen: 18.434 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 56 Resp: 85791

Ion Ratio Lower Upper

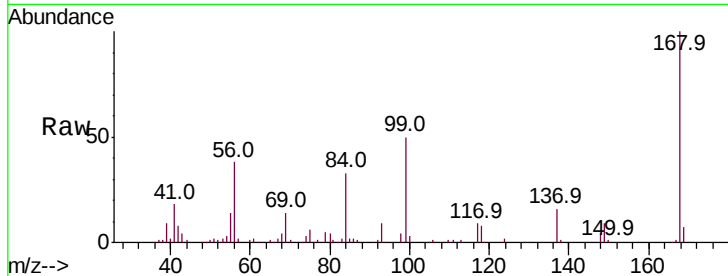
56 100

69 36.8 25.6 38.4

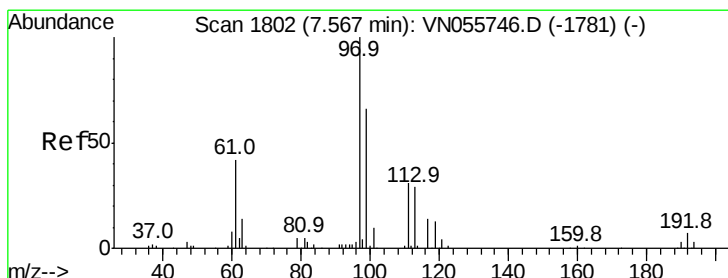
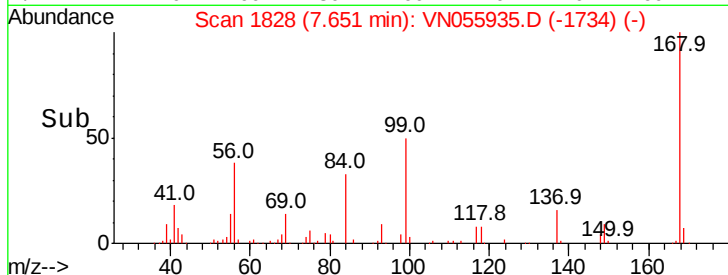
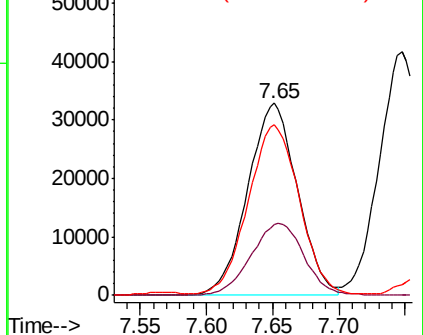
84 87.9 67.4 101.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.651 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

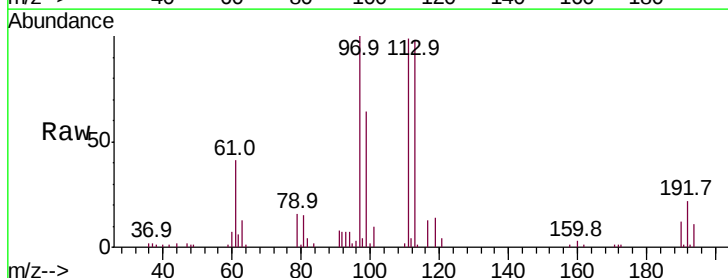
Tgt Ion: 97 Resp: 82277

Ion Ratio Lower Upper

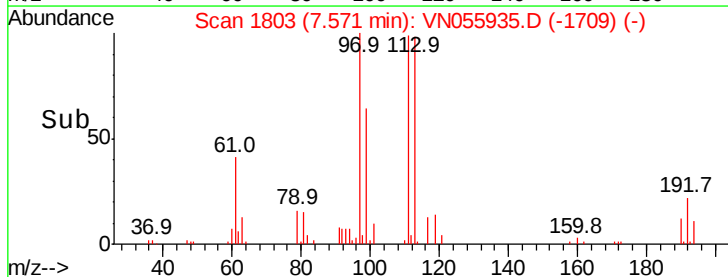
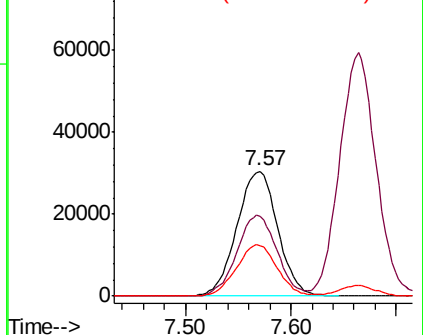
97 100

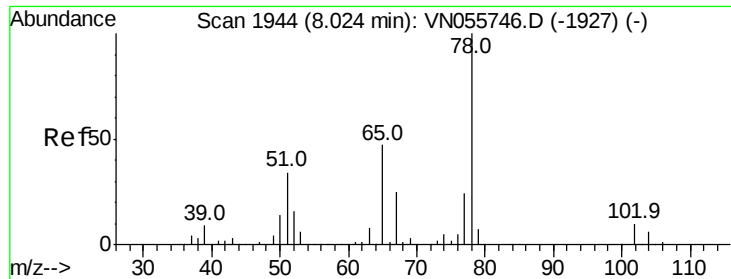
99 63.7 52.0 78.0

61 41.0 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





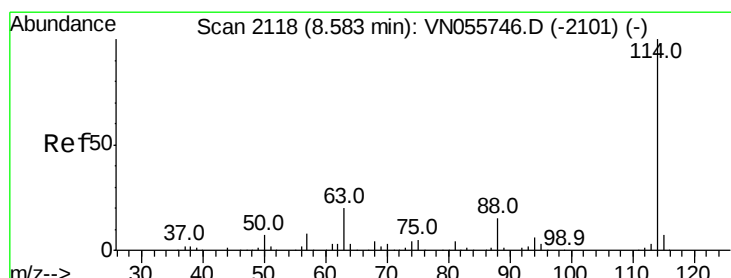
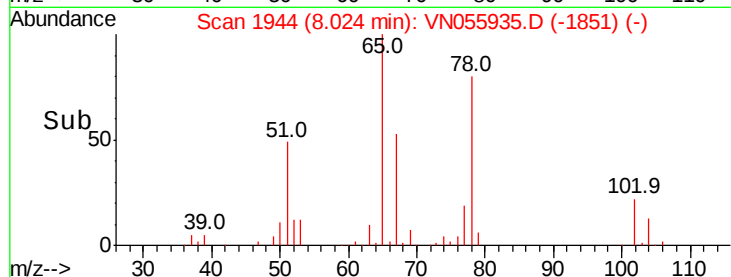
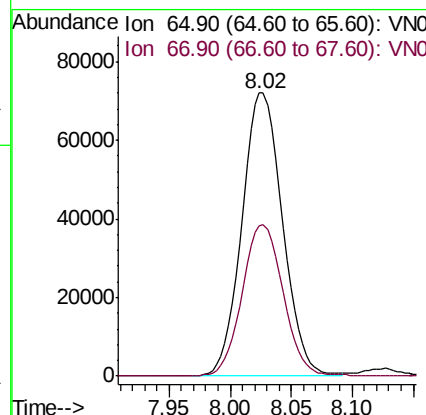
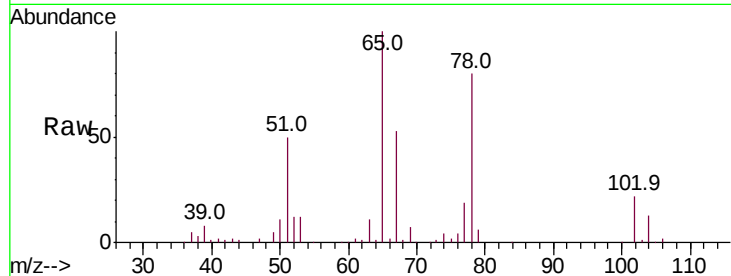
#33
 1,2-Dichloroethane-d4
 Concen: 53.577 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

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

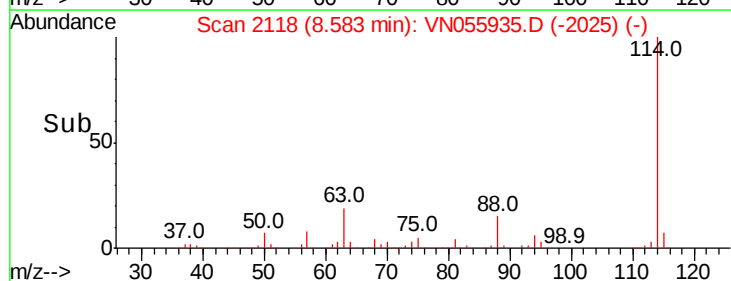
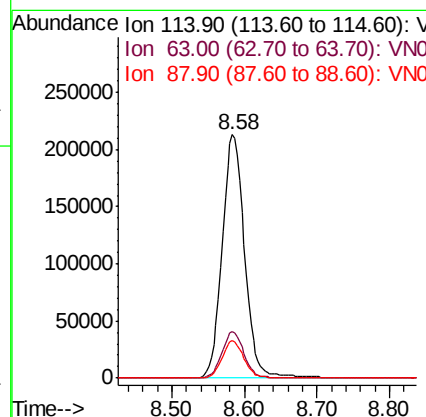
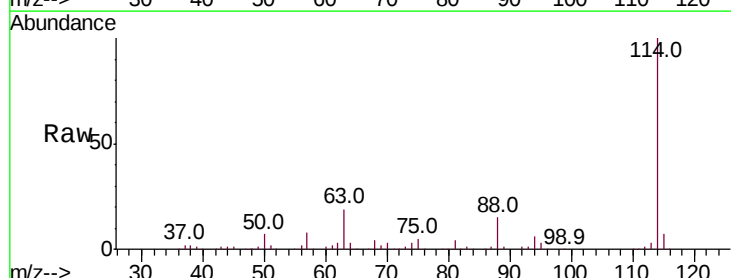
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	39.2	
88	15.5	0.0	31.0	





#35

Dibromofluoromethane

Concen: 49.495 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

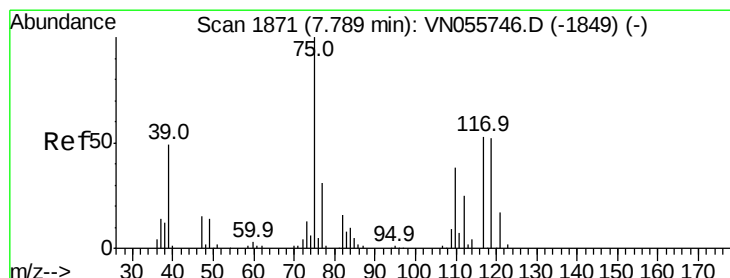
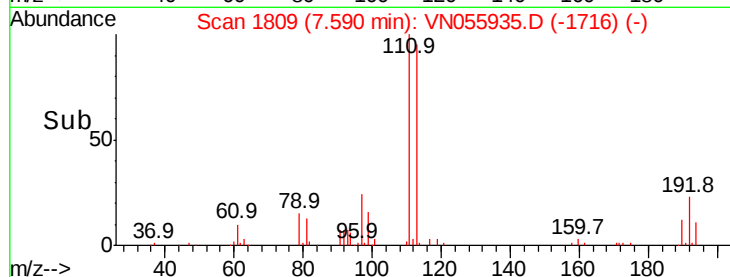
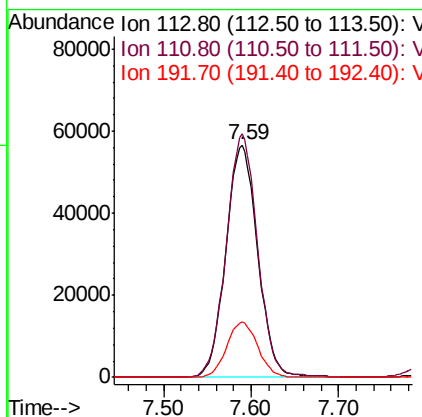
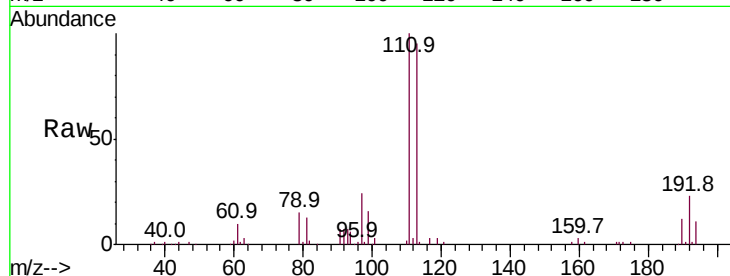
ClientSampleId :

VN0531WBS02

Tot Ion:	113	Resp:	143237
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.9	122.9
192	23.2	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 17.332 ug/l

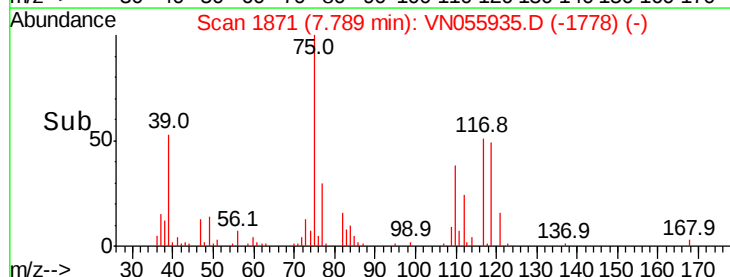
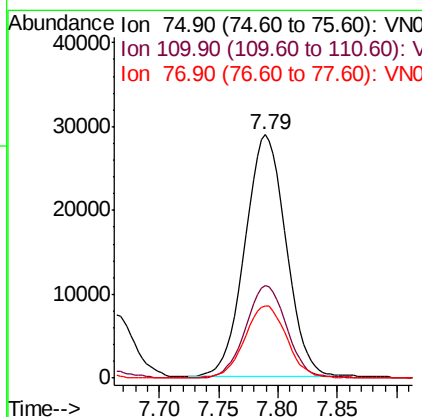
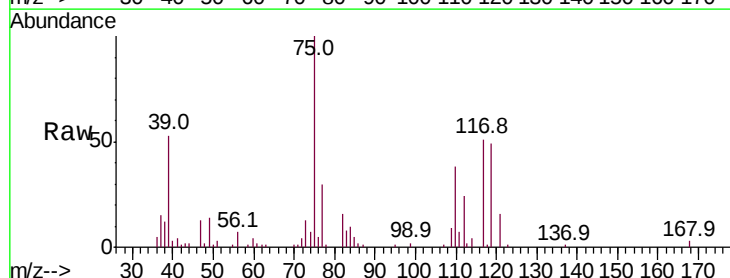
RT: 7.79 min Scan# 1871

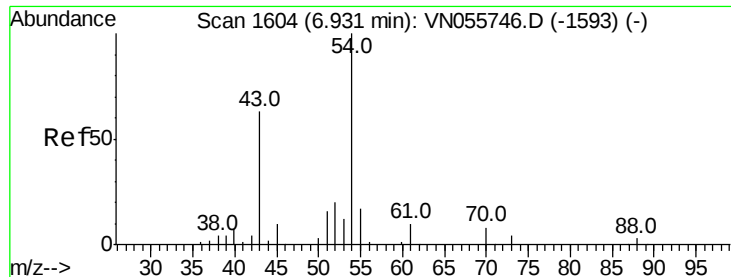
Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Tgt Ion:	75	Resp:	69137
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.0	57.0
77	30.5	25.1	37.7





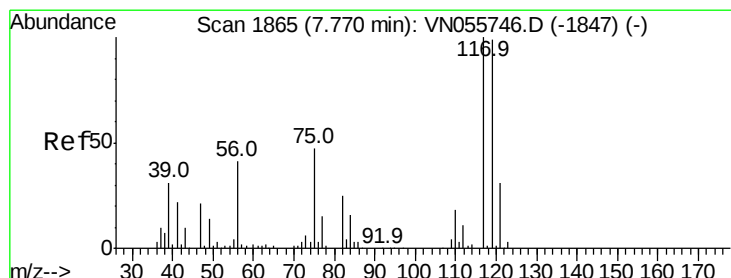
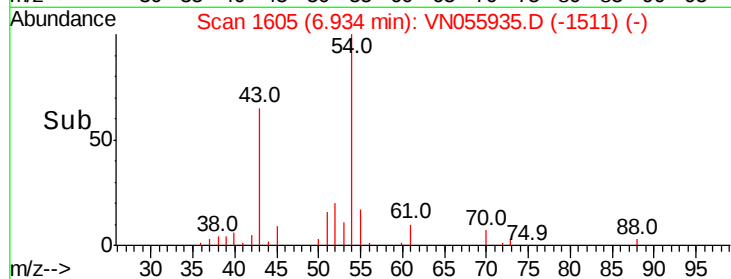
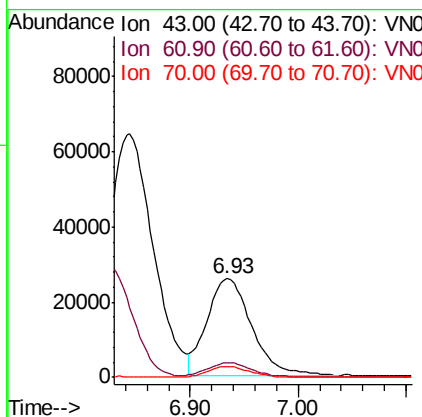
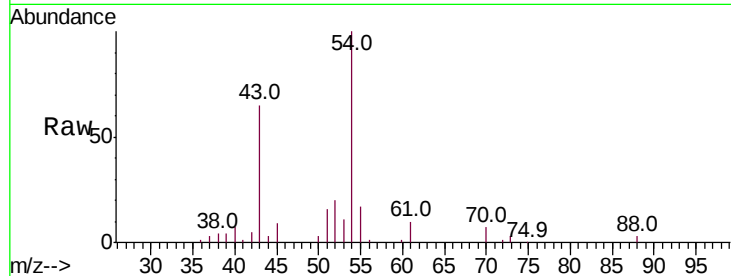
#37
Ethyl Acetate
Concen: 19.295 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	10.3	8.9	13.3

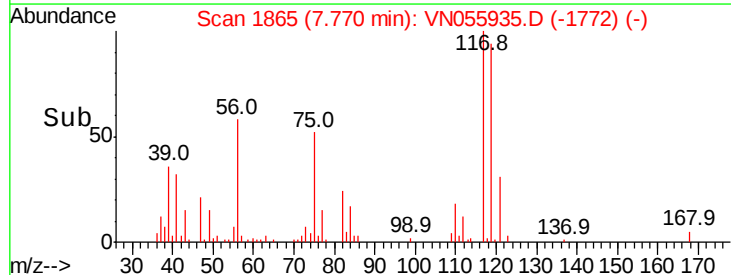
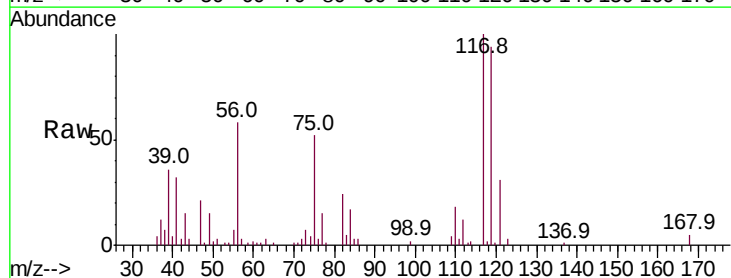
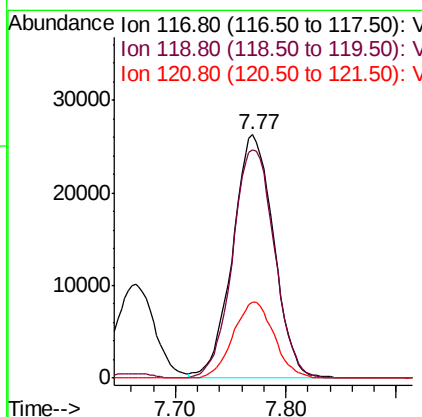
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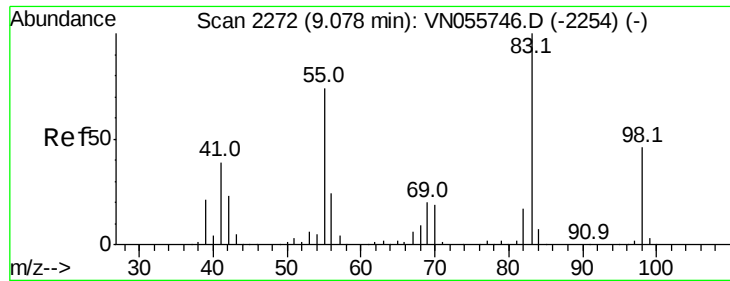
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#38
Carbon Tetrachloride
Concen: 16.320 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	79.0	118.6
121	31.3	24.7	37.1





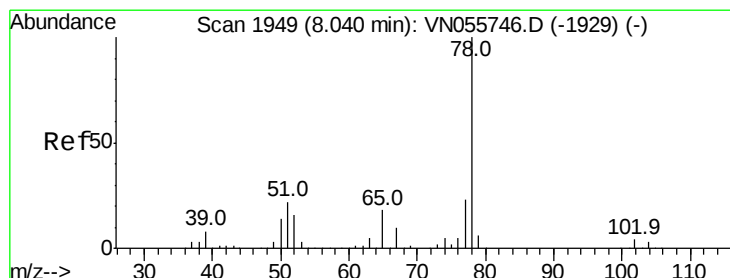
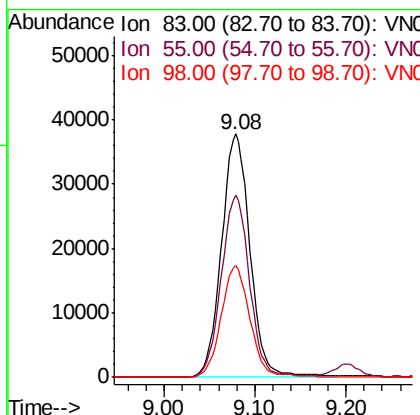
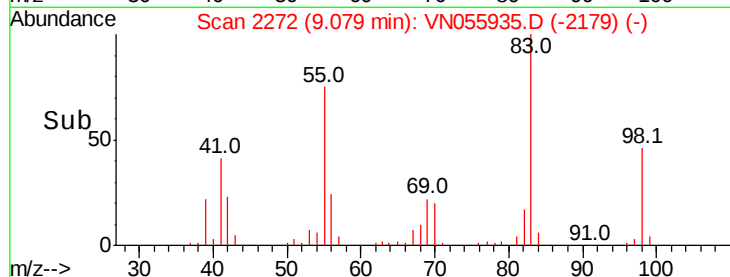
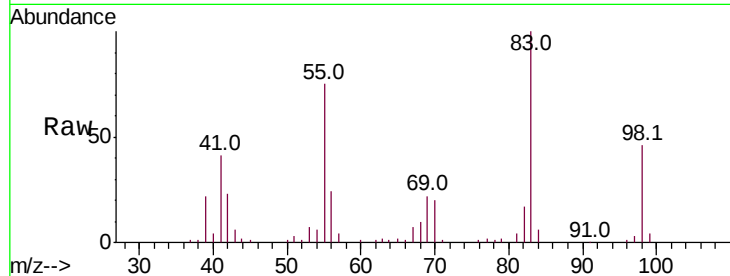
#39
Methvlcvclohexane
Concen: 16.690 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	83	Resp	82442
Ion Ratio	100	Lower	Upper
83	100		
55	74.7	59.3	88.9
98	46.0	36.6	54.8

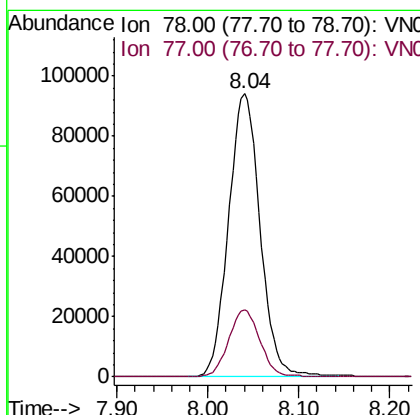
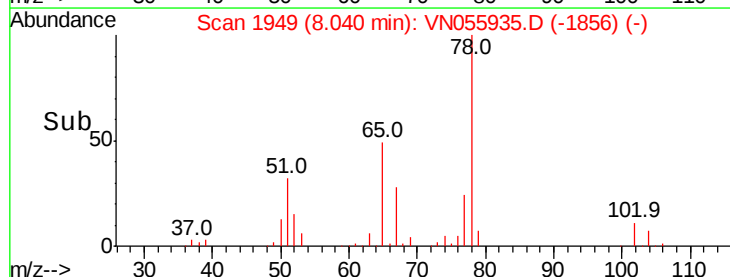
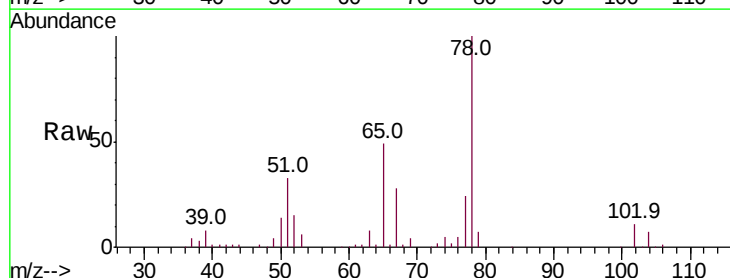
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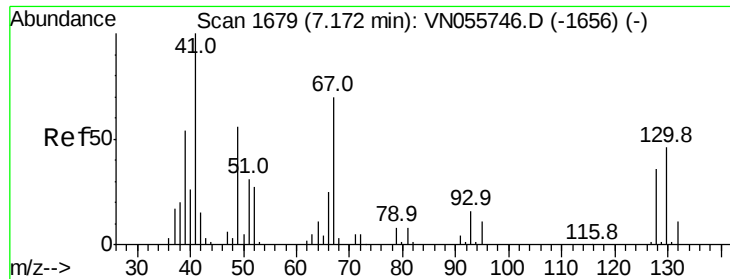
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#40
Benzene
Concen: 18.923 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	78	Resp	227501
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.8	28.2





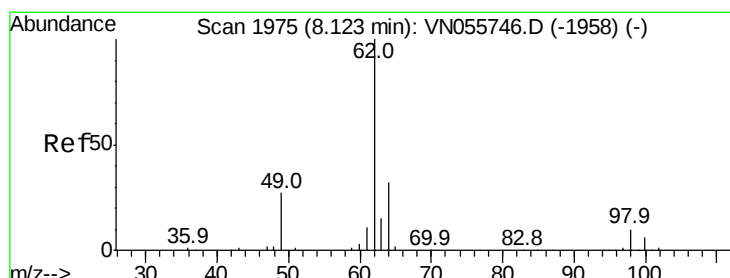
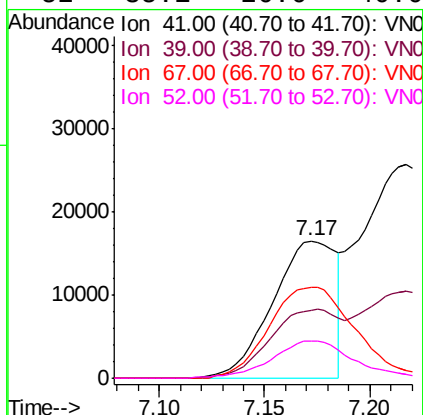
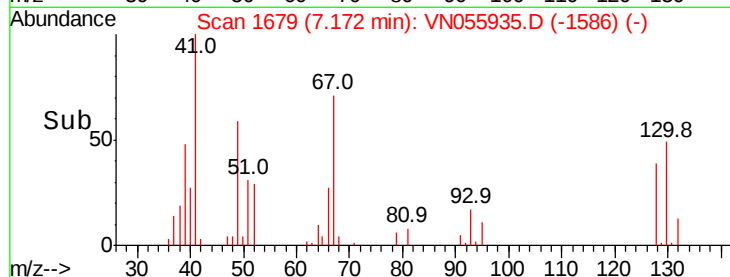
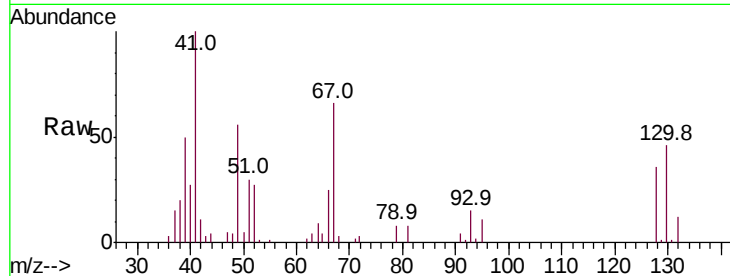
#41
Methacrylonitrile
Concen: 17.748 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	41	Resp	34569
Ion	Ratio	Lower	Upper
41	100		
39	55.8	45.6	68.4
67	90.4	67.7	101.5
52	35.1	26.6	40.0

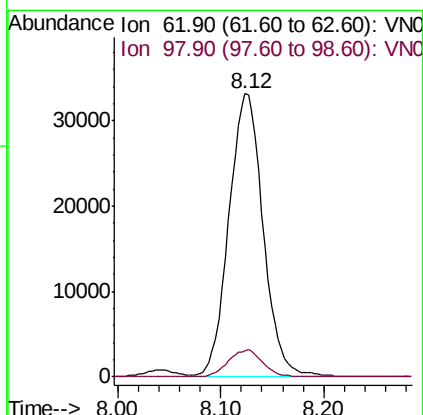
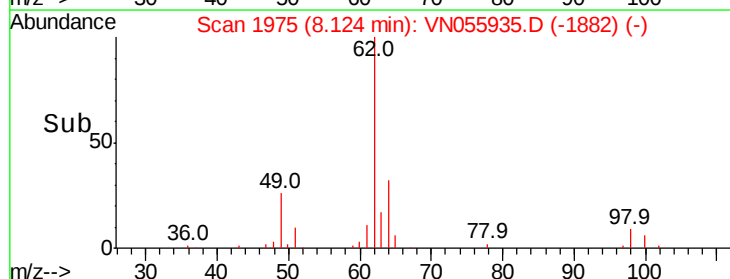
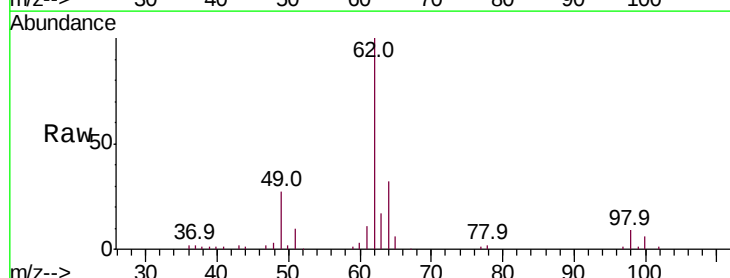
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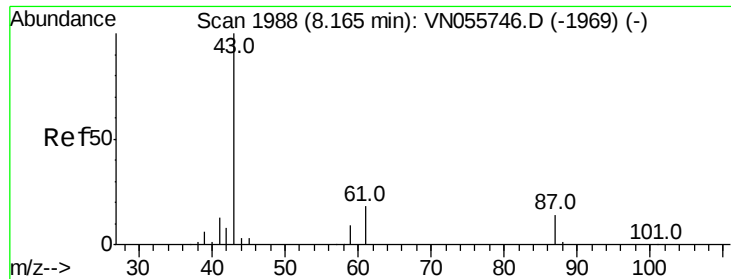
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.583 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	62	Resp	76930
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 17.870 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

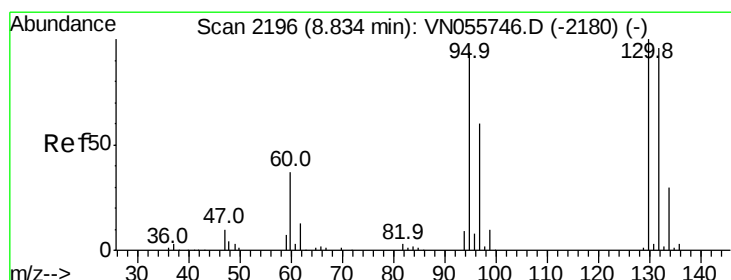
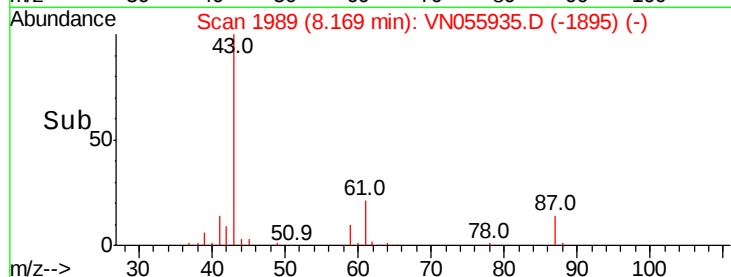
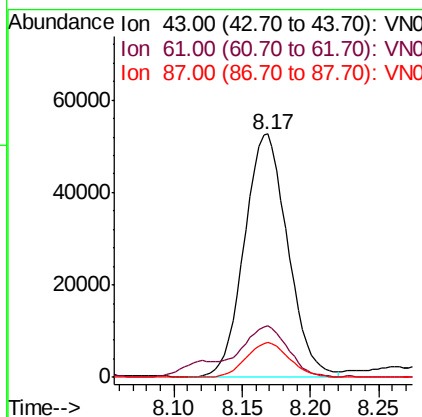
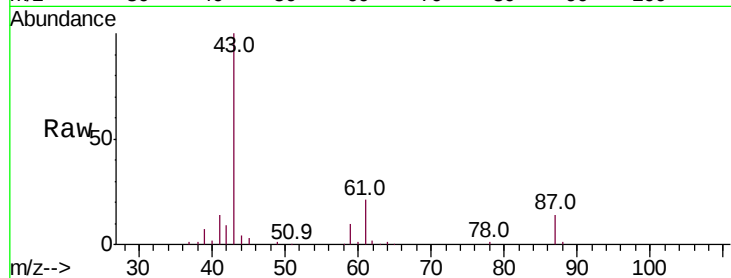
ClientSampleId :

VN0531WBS02

Tot Ion:	43	Resp:	115758
Ion Ratio	Lower	Upper	
43	100		
61	21.5	22.2	33.4#
87	14.2	11.4	17.2

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#44

Trichloroethene

Concen: 18.714 ug/l

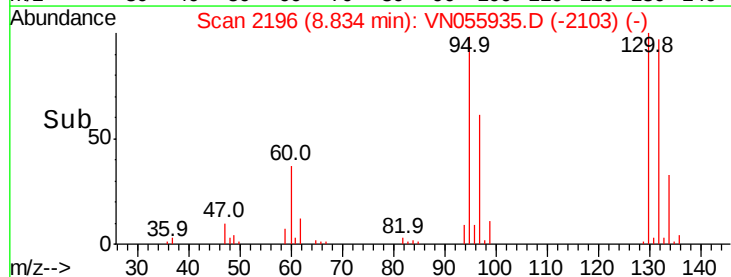
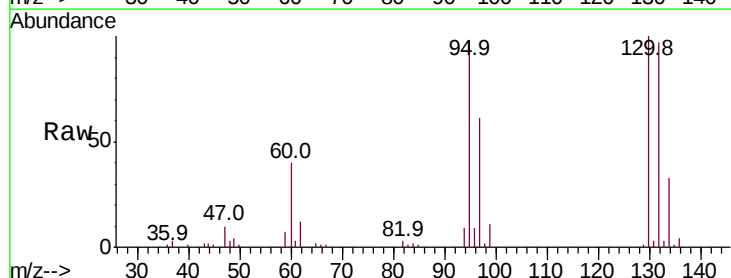
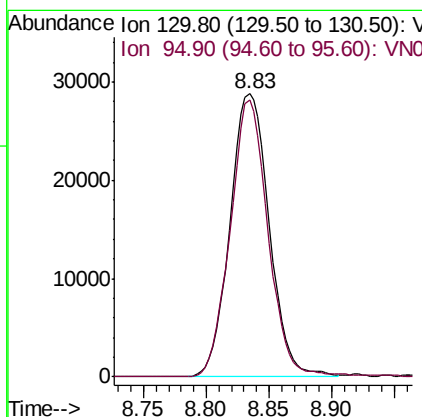
RT: 8.83 min Scan# 2196

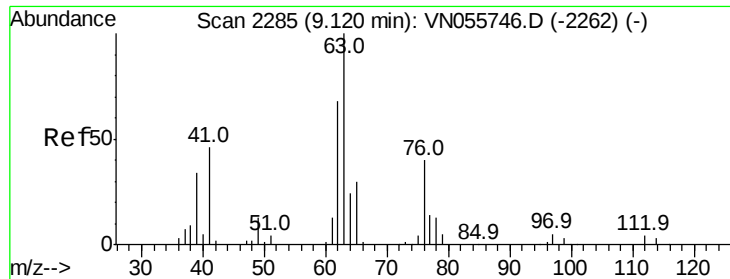
Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Tgt Ion:	130	Resp:	62720
Ion Ratio	Lower	Upper	
130	100		
95	98.0	0.0	188.0





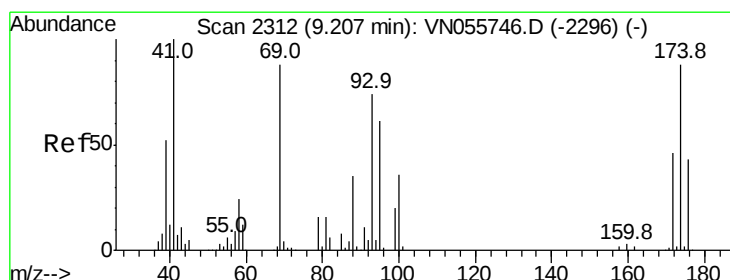
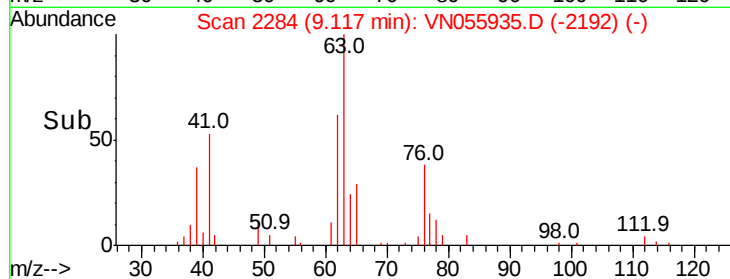
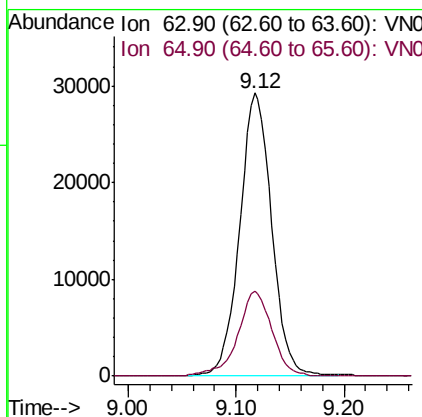
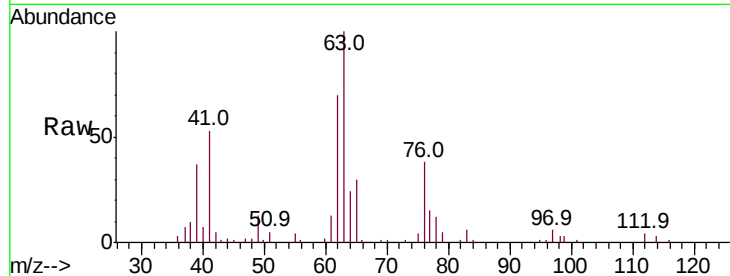
#45
 1,2-Dichloropropane
 Concen: 19.305 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion: 63 Resp: 60470
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 36.8

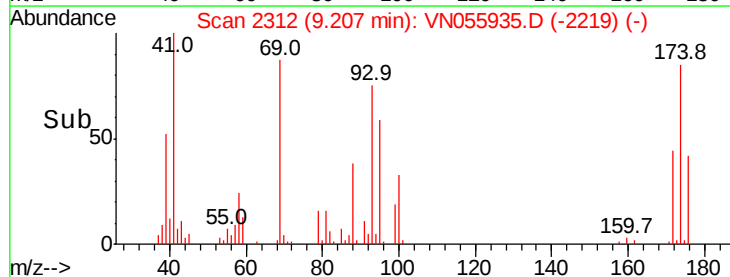
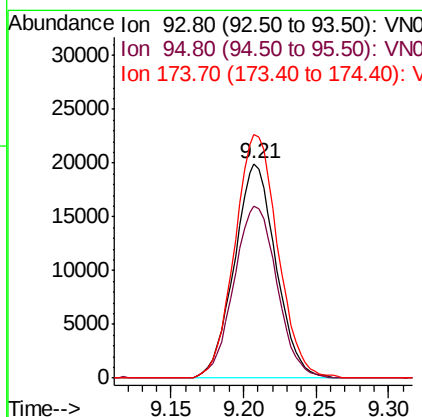
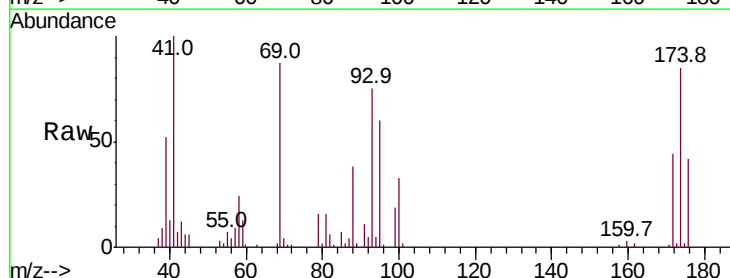
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#46
 Dibromomethane
 Concen: 19.365 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion: 93 Resp: 39780
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 117.8 96.4 144.6





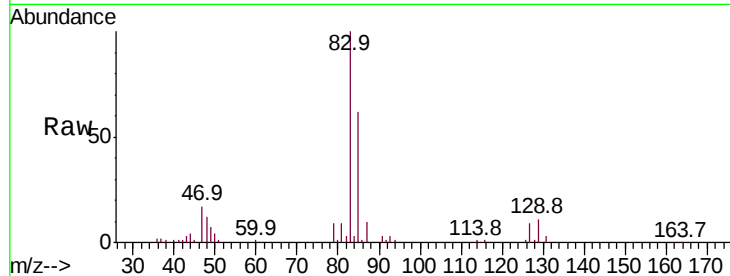
#47
Bromodichloromethane
Concen: 17.387 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	83	Resp	73235
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.2	78.2
127	8.7	7.4	11.0

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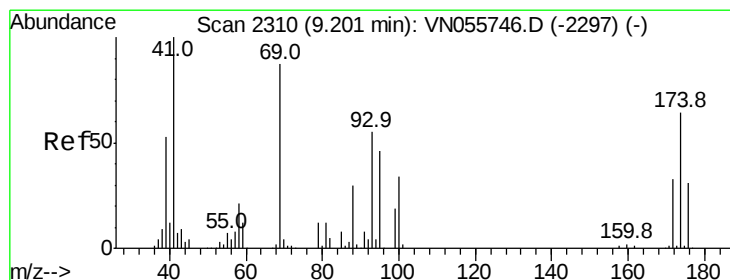
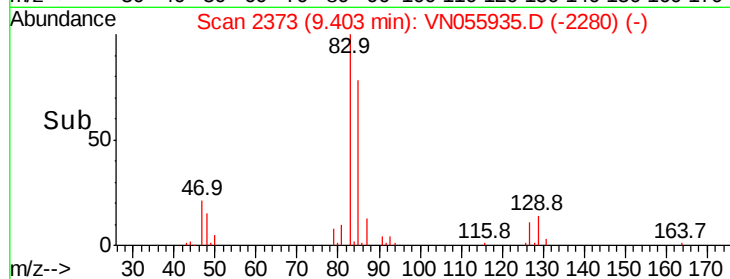
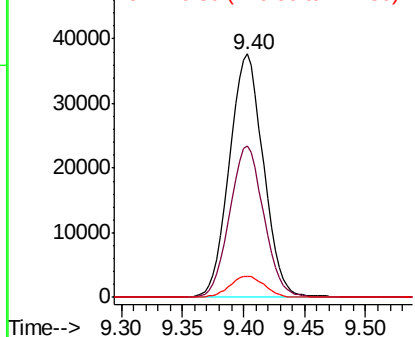


Abundance

Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)



#48
Methyl methacrylate
Concen: 19.184 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

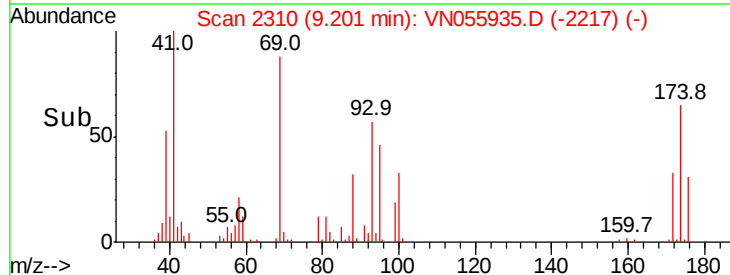
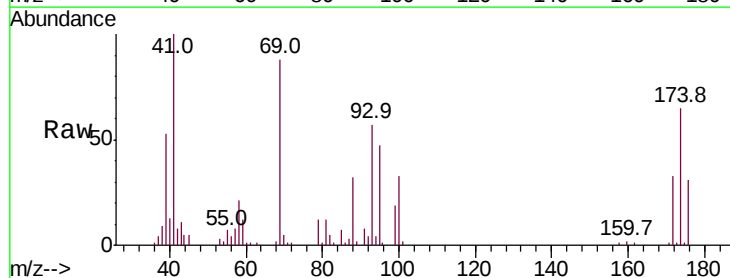
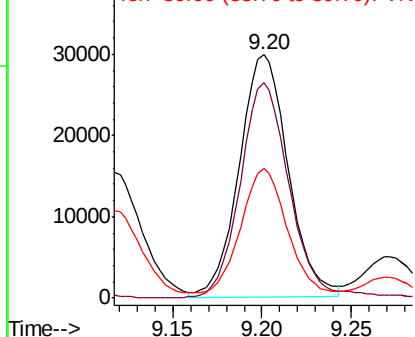
Tgt Ion	41	Resp	57272
Ion	Ratio	Lower	Upper
41	100		
69	89.9	71.0	106.6
39	51.9	44.2	66.2

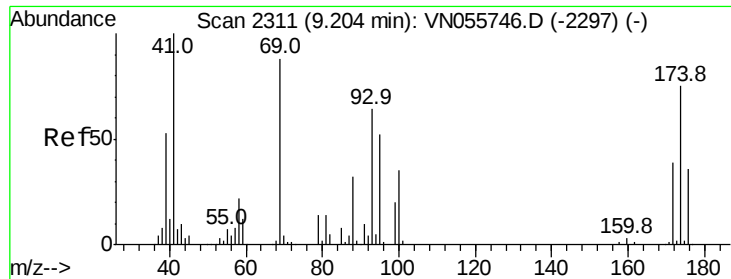
Abundance

Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)





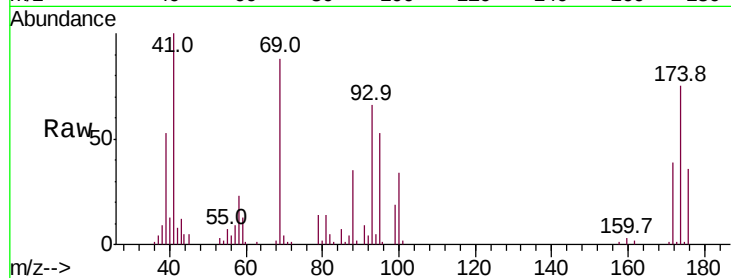
#49
 1,4-Dioxane
 Concen: 407.014 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

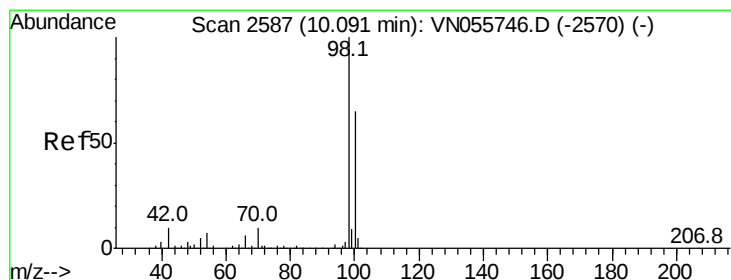
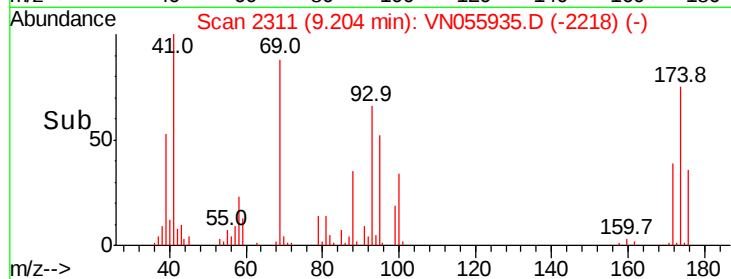
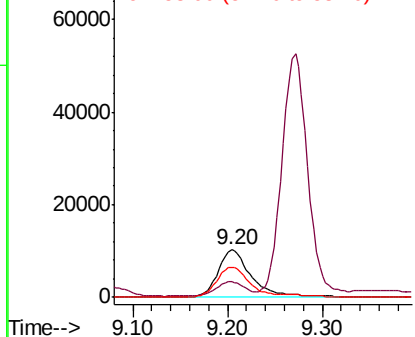
Tot Ion	88	Resp	25251
Ion	Ratio	Lower	Upper
88	100		
43	25.5	20.5	30.7
58	61.8	55.8	83.6

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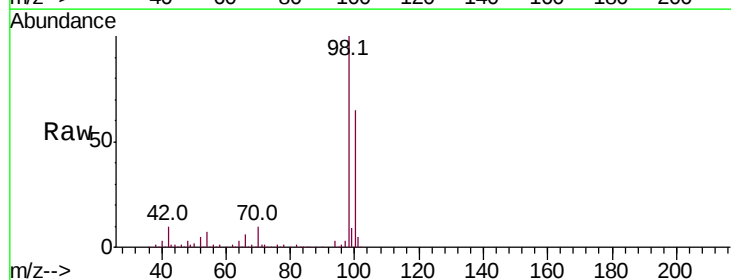


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

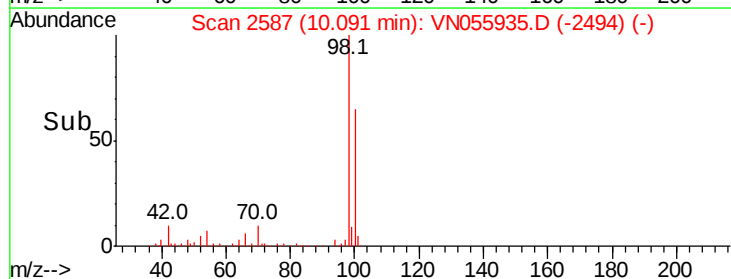
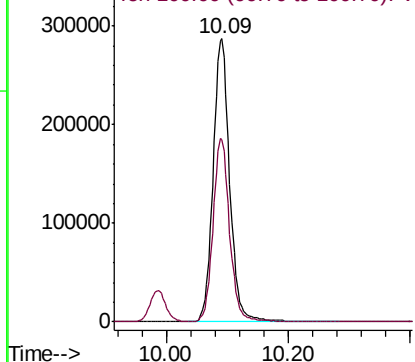


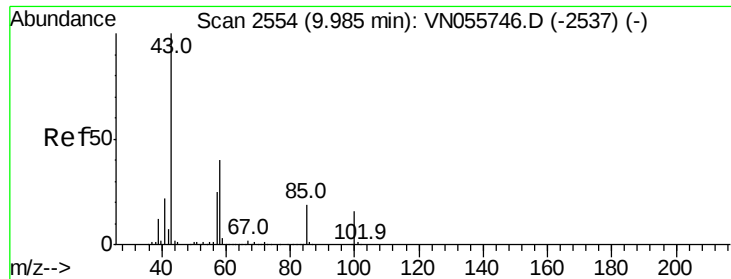
#50
 Toluene-d8
 Concen: 49.034 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	98	Resp	544327
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.968 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 43 Resp: 370977

Ion Ratio Lower Upper

43 100

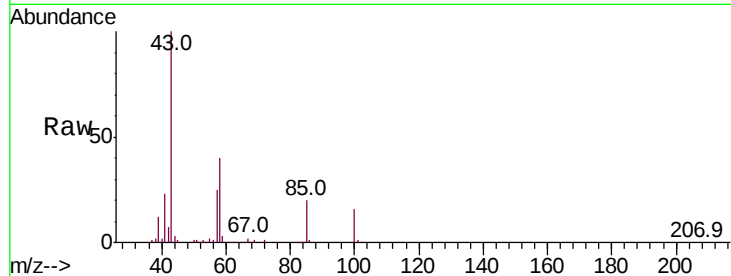
58 40.2 32.1 48.1

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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

200000

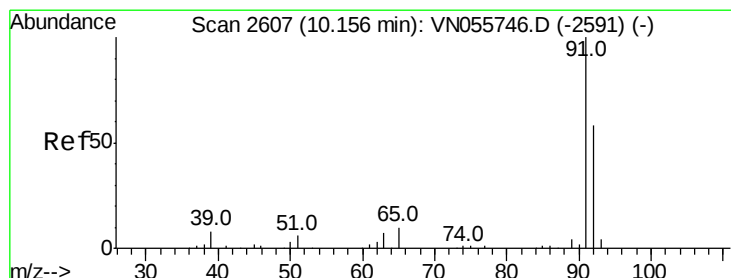
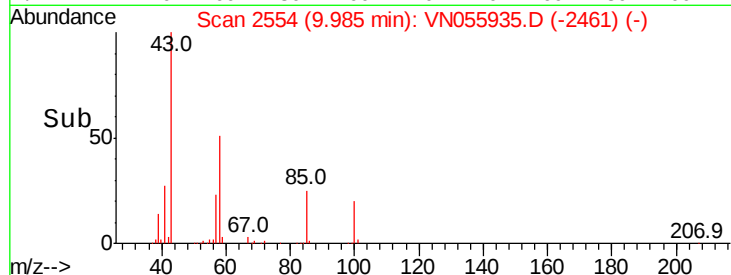
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.740 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055935.D

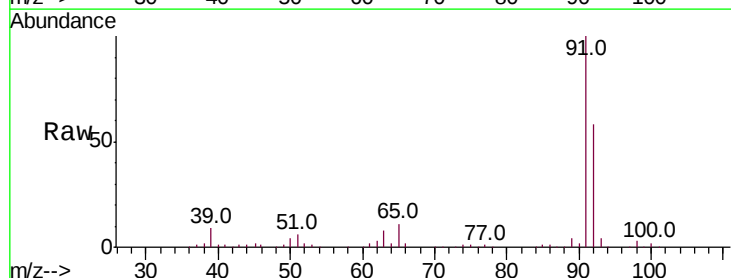
Acq: 31 May 2019 22:40

Tgt Ion: 92 Resp: 141693

Ion Ratio Lower Upper

92 100

91 176.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

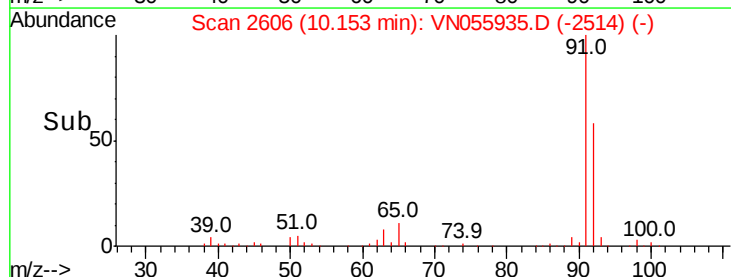
150000

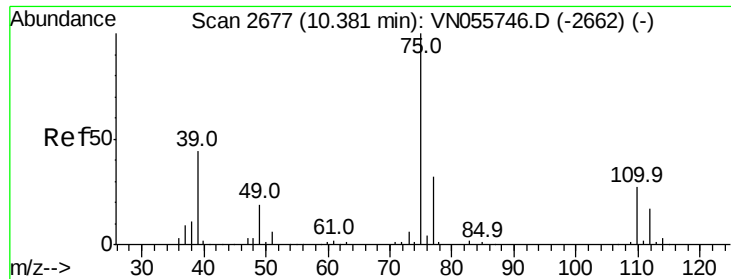
100000

50000

0

Time-->





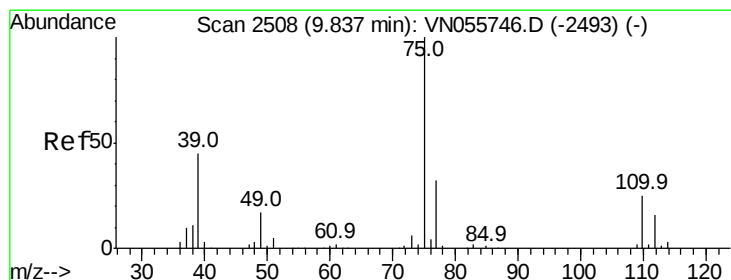
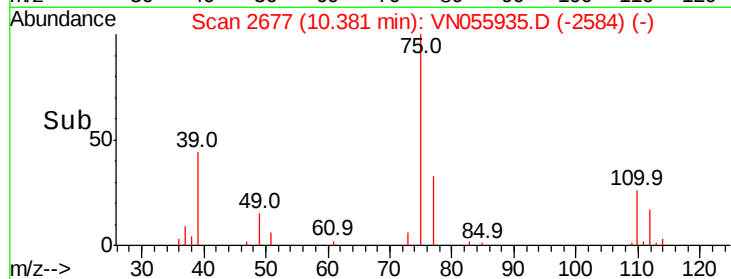
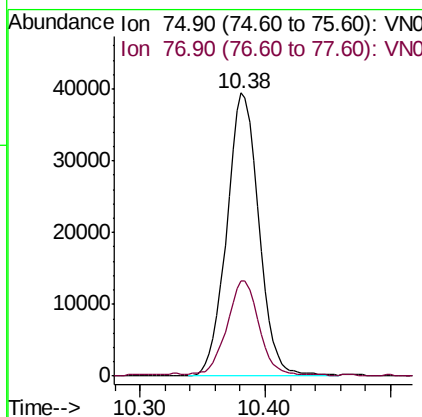
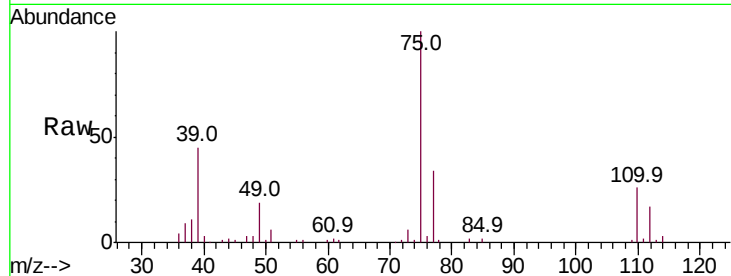
#53
 t-1,3-Dichloropropene
 Concen: 15.634 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion: 75 Resp: 70292
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.6

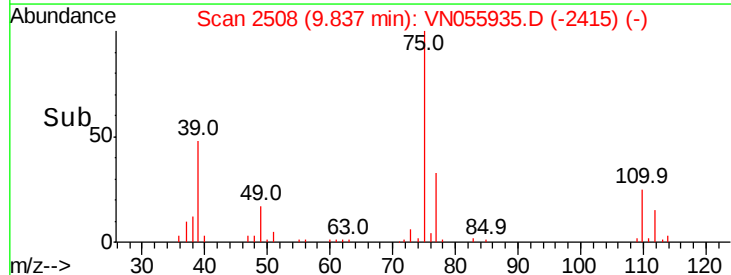
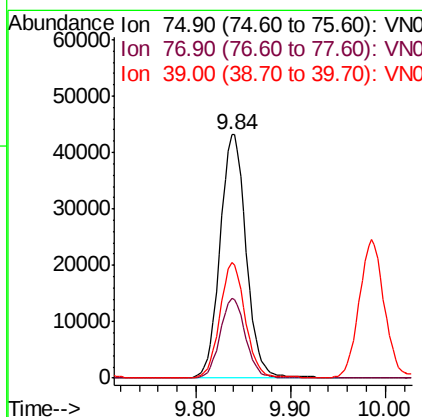
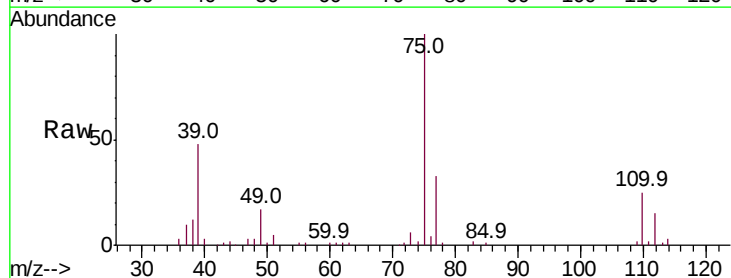
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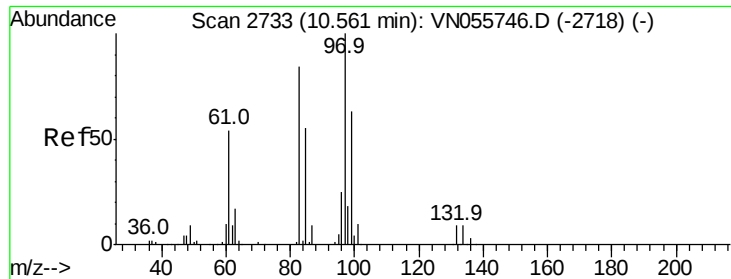
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#54
 cis-1,3-Dichloropropene
 Concen: 16.602 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion: 75 Resp: 82691
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0
 39 47.5 36.3 54.5





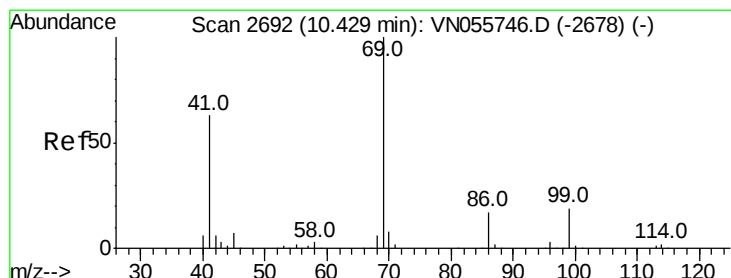
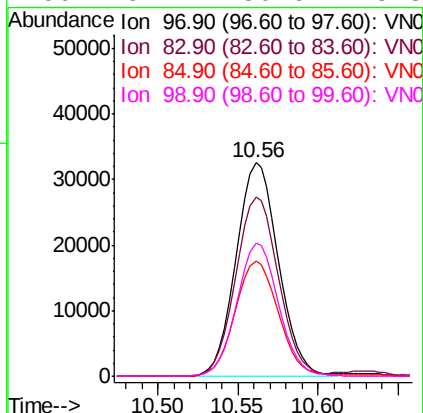
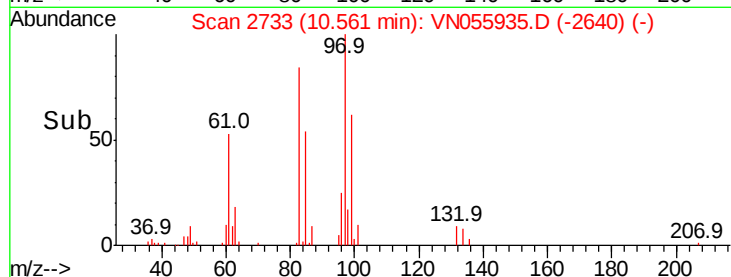
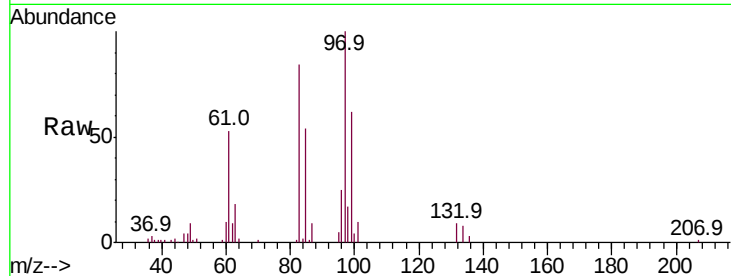
#55
 1,1,2-Trichloroethane
 Concen: 19.411 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.0	100.6
85	54.1	44.0	66.0
99	62.1	50.6	75.8

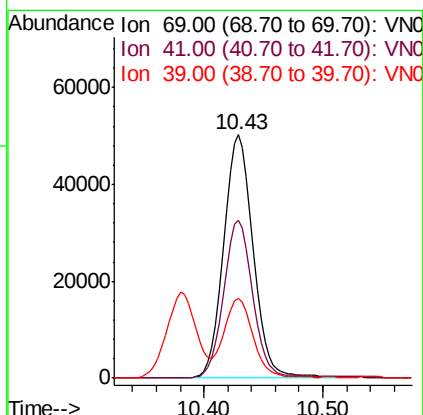
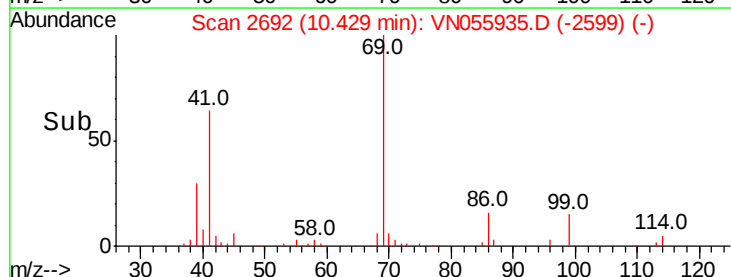
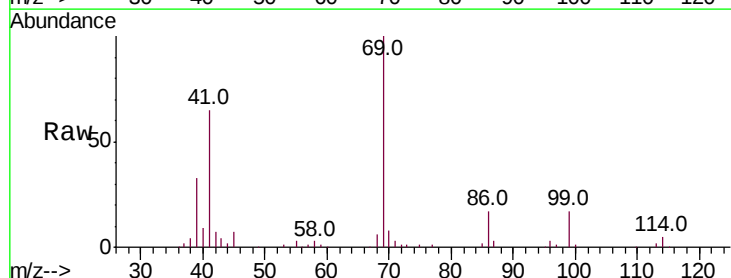
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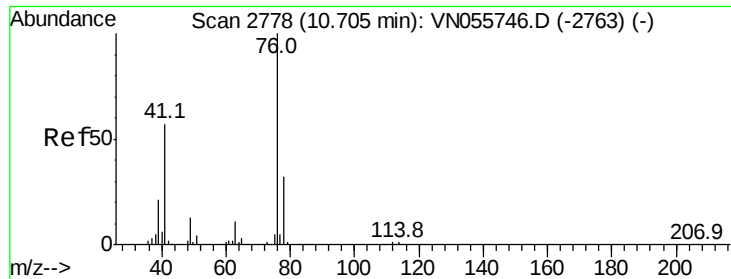
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#56
 Ethyl methacrylate
 Concen: 18.508 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	49.7	74.5
39	31.6	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.330 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 76 Resp: 95172

Ion Ratio Lower Upper

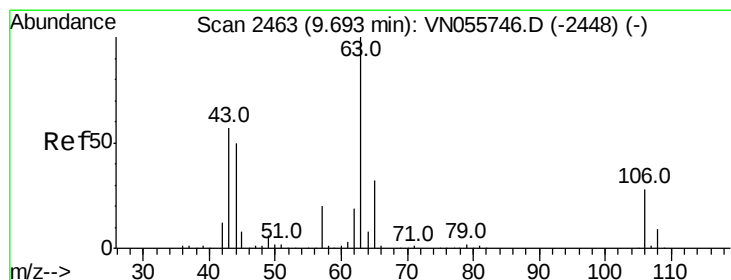
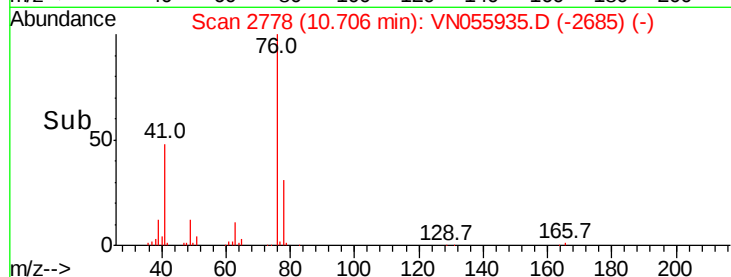
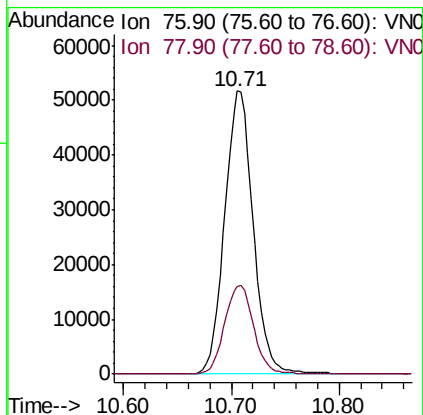
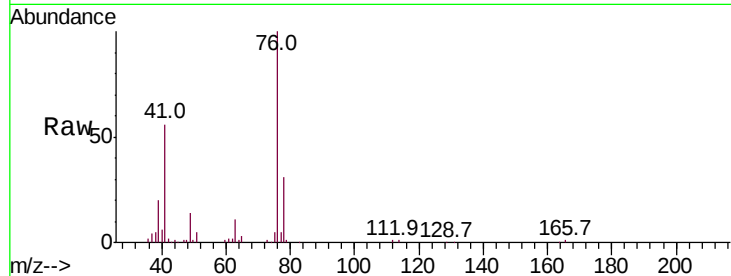
76 100

78 31.9 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 84.205 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055935.D

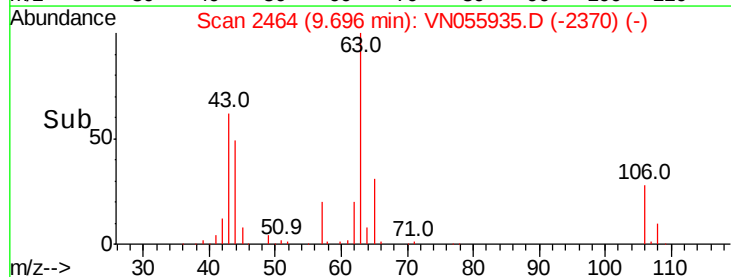
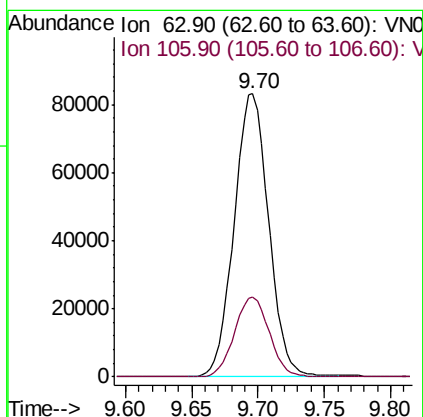
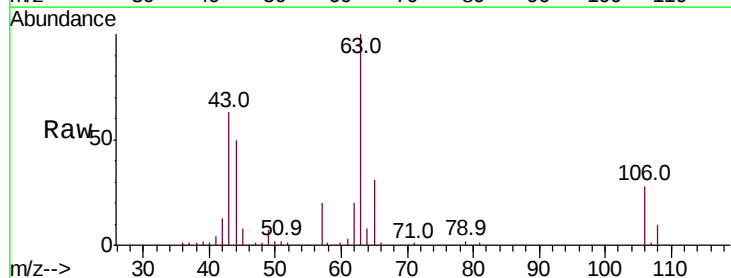
Acq: 31 May 2019 22:40

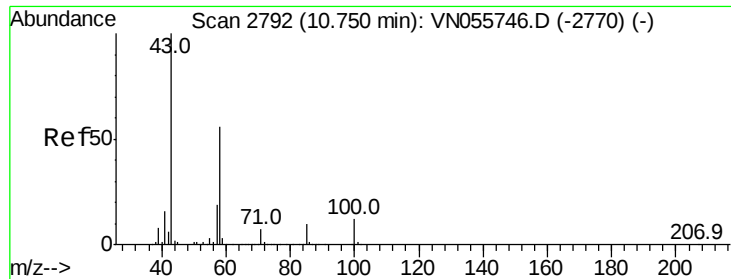
Tgt Ion: 63 Resp: 150644

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1





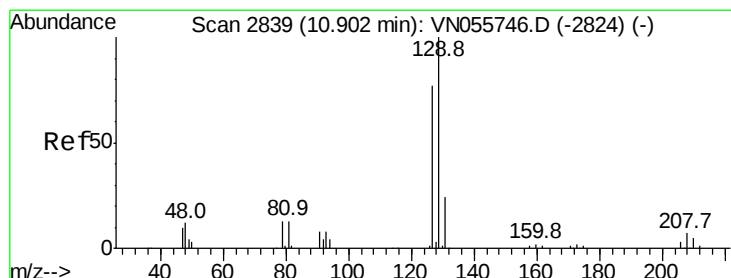
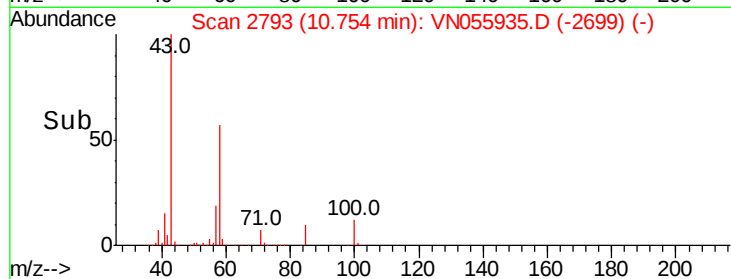
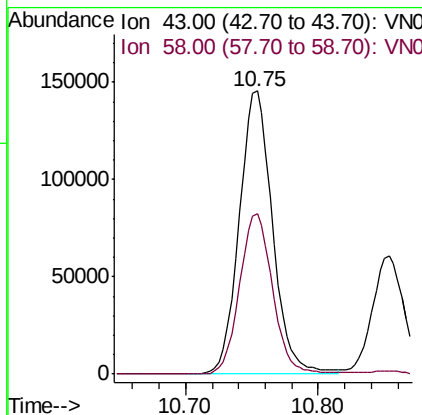
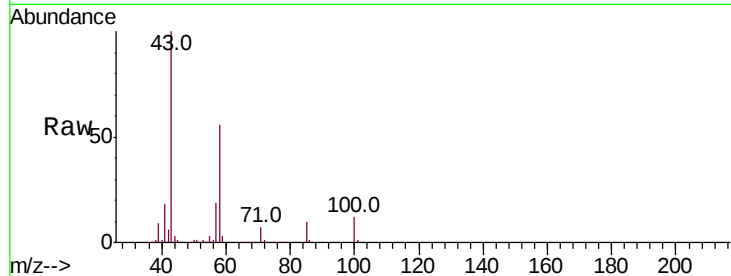
#59
2-Hexanone
Concen: 92.995 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion: 43 Resp: 252391
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7

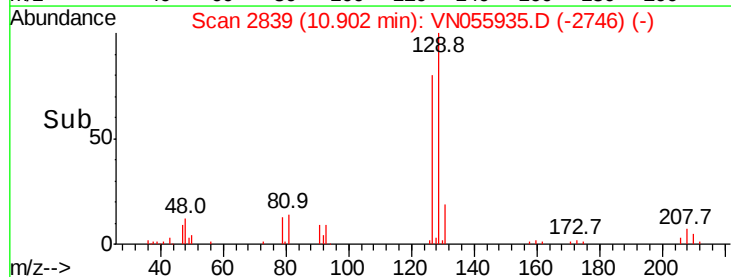
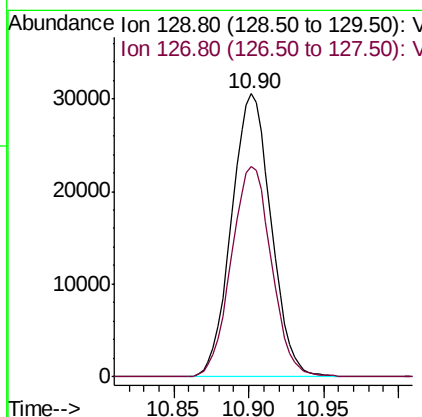
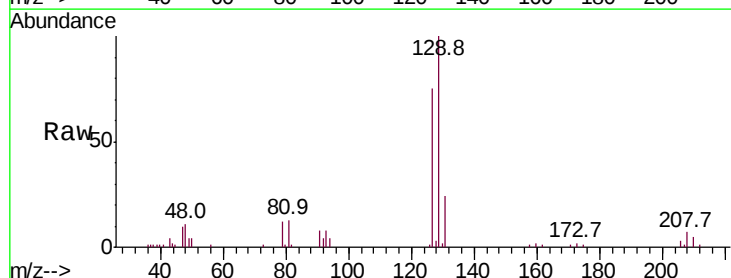
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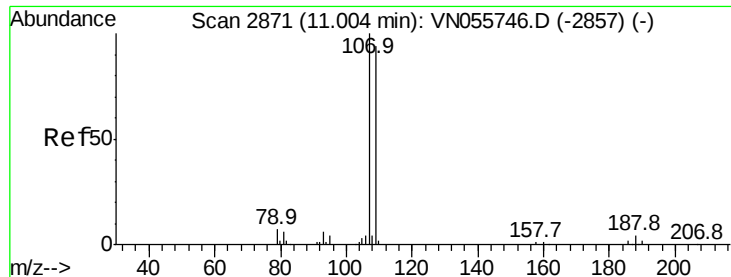
MMDadoda
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#60
Dibromochloromethane
Concen: 15.923 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 129 Resp: 56188
Ion Ratio Lower Upper
129 100
127 75.4 38.1 114.3





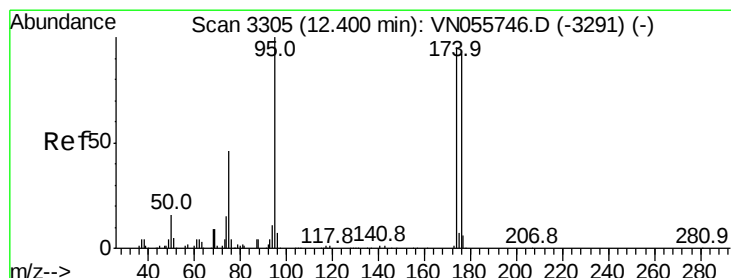
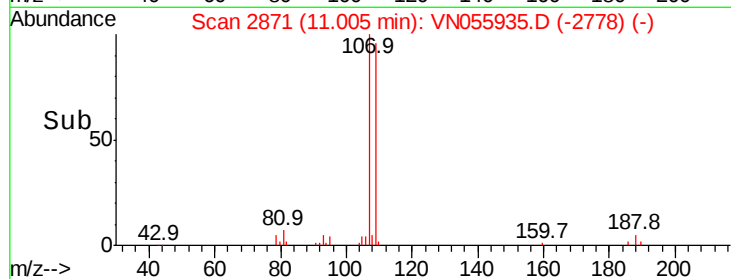
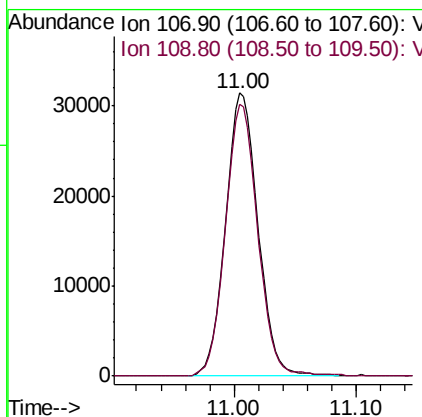
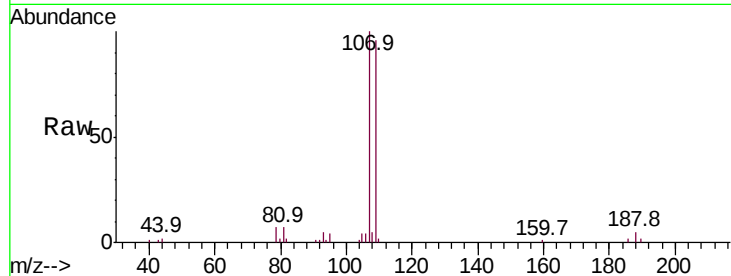
#61
 1,2-Dibromoethane
 Concen: 18.543 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.8	112.2

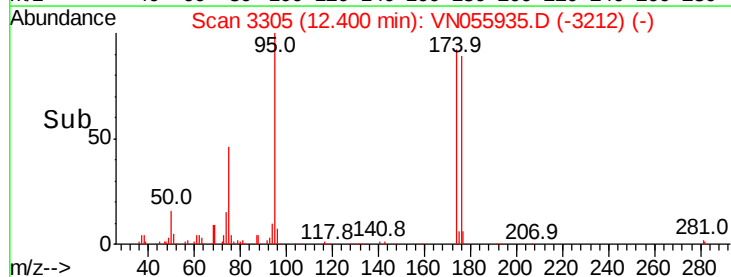
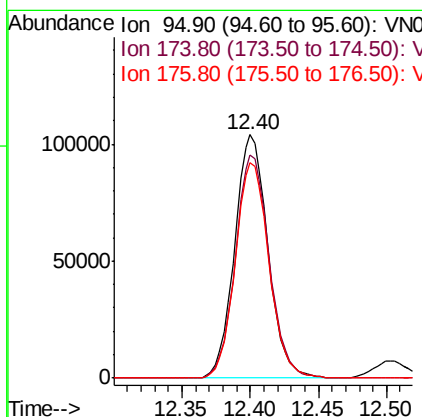
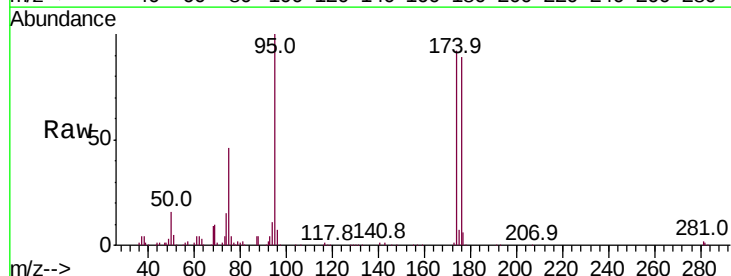
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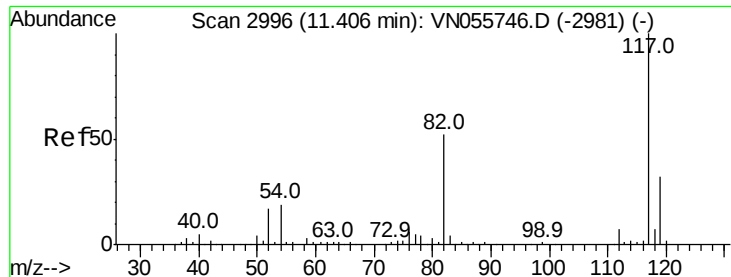
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 6/3/2019 4:12:32 PM



#62
 4-Bromofluorobenzene
 Concen: 46.246 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	191.0
176	89.9	0.0	185.2





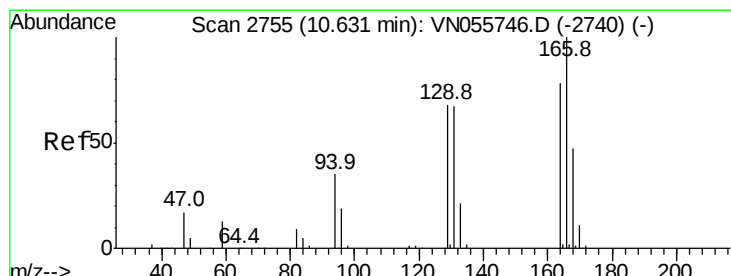
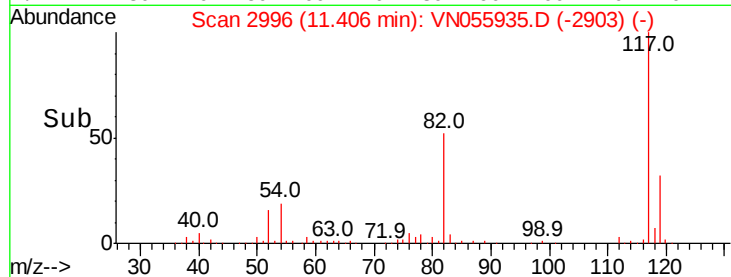
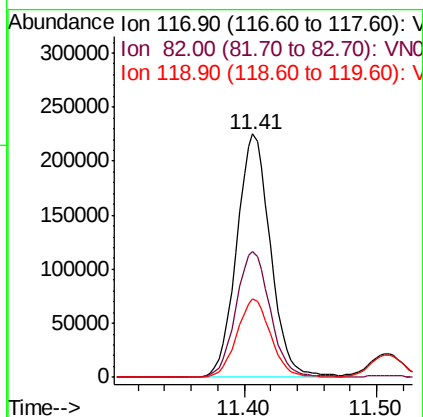
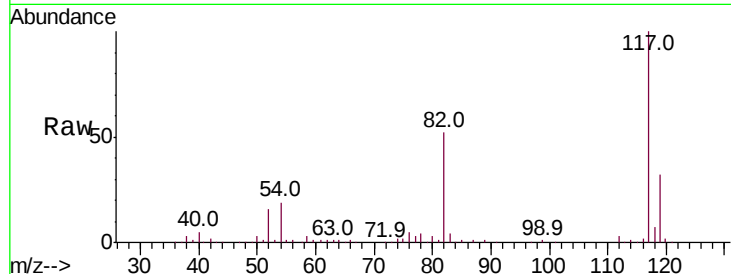
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	32.1	25.4	38.0

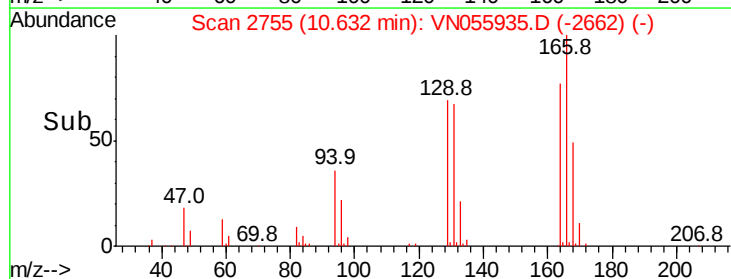
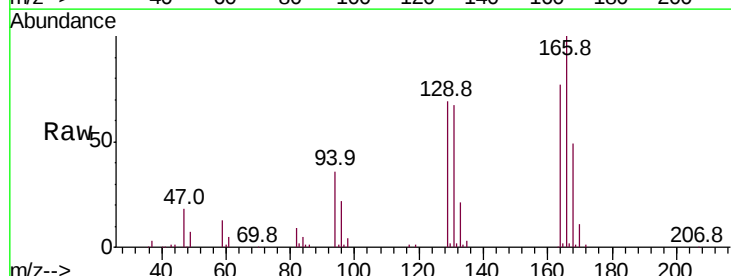
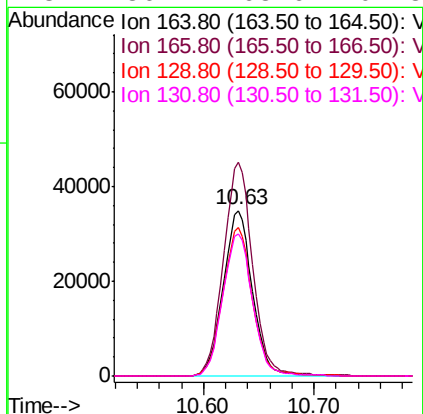
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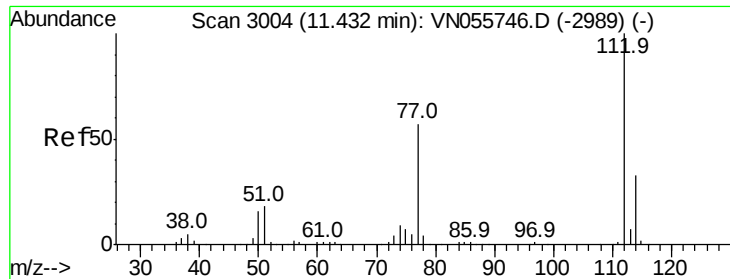
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#64
Tetrachloroethene
Concen: 19.014 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.0	154.6
129	89.5	70.6	105.8
131	86.2	68.6	102.8





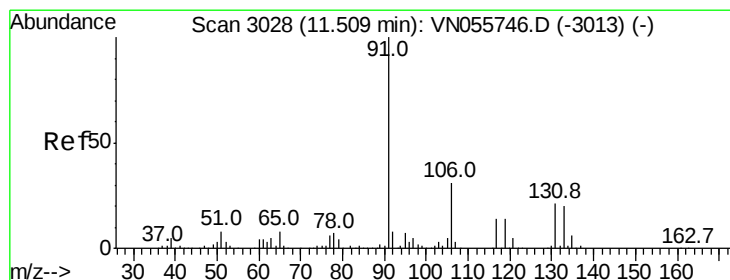
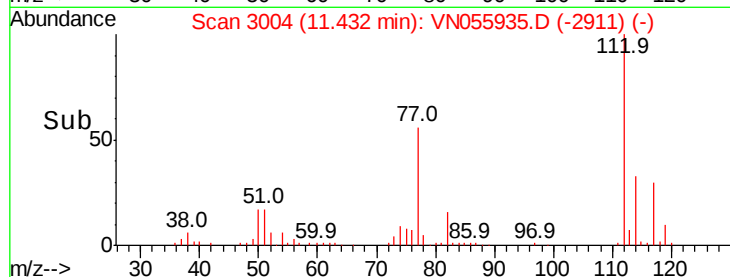
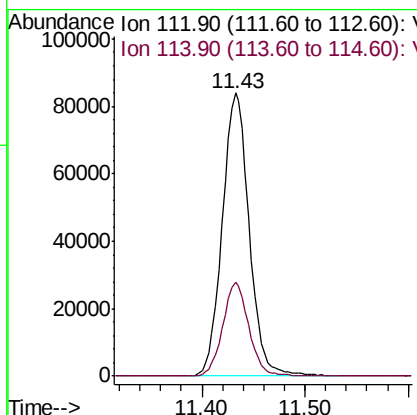
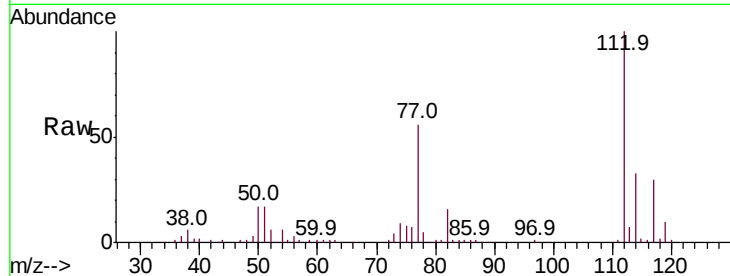
#65
Chlorobenzene
Concen: 19.039 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion:112 Resp: 152263
Ion Ratio Lower Upper
112 100
114 33.2 26.2 39.4

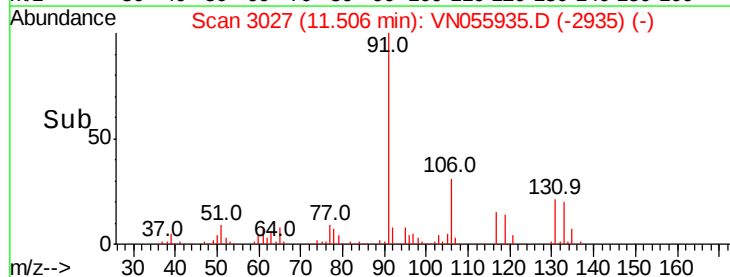
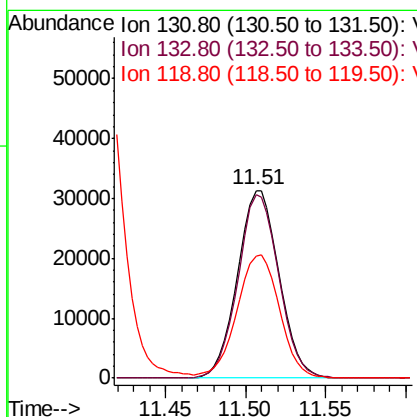
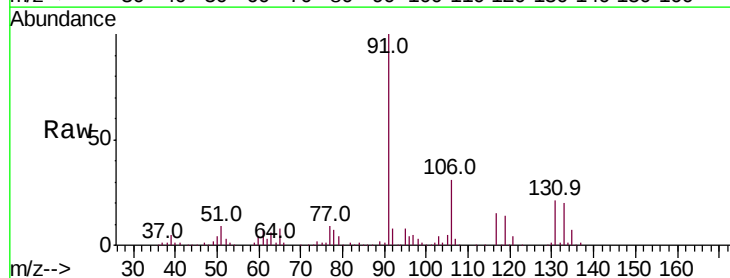
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.350 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion:131 Resp: 55340
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 67.6 33.1 99.5





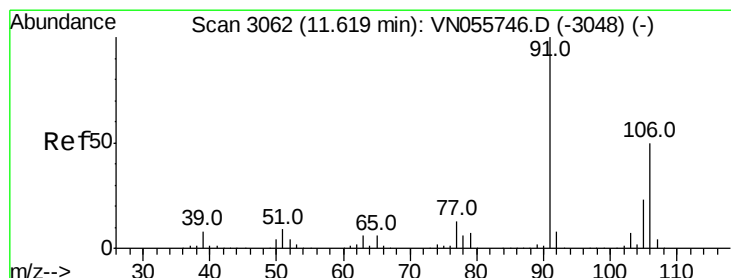
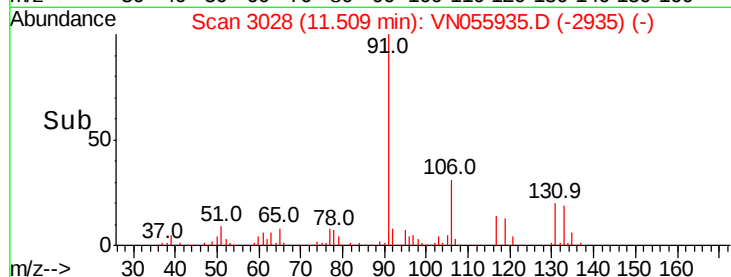
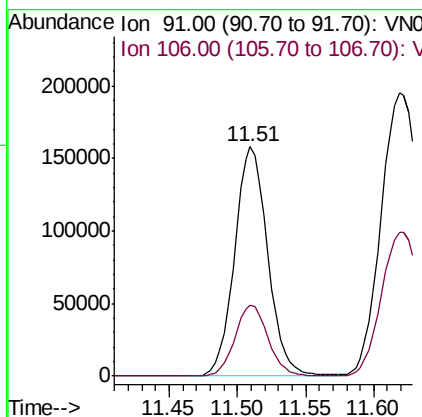
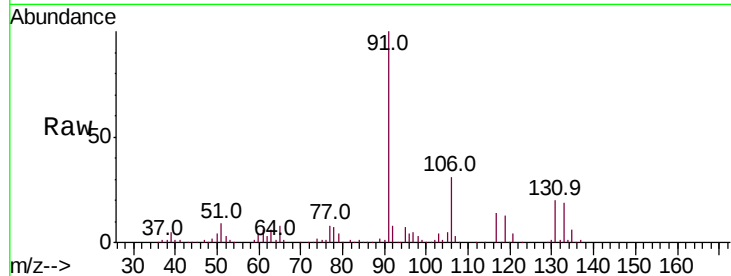
#67
Ethyl Benzene
Concen: 18.607 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion: 91 Resp: 266863
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

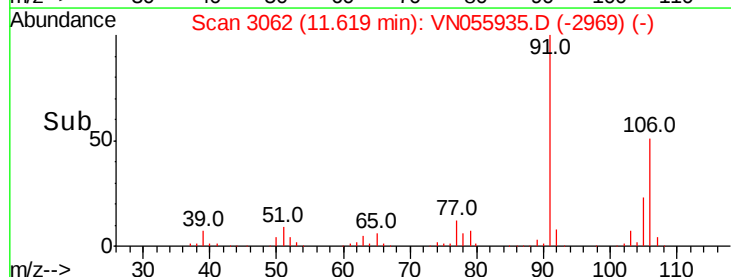
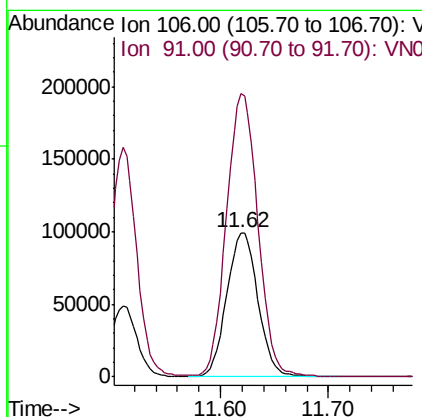
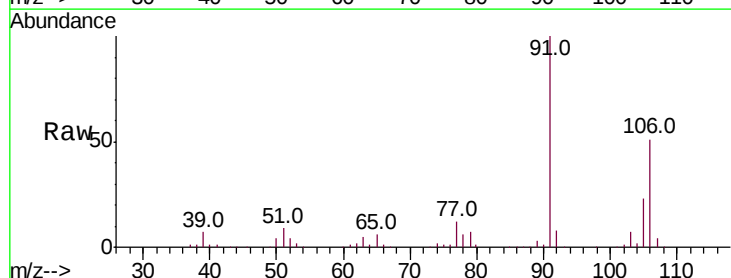
Manual Integrations
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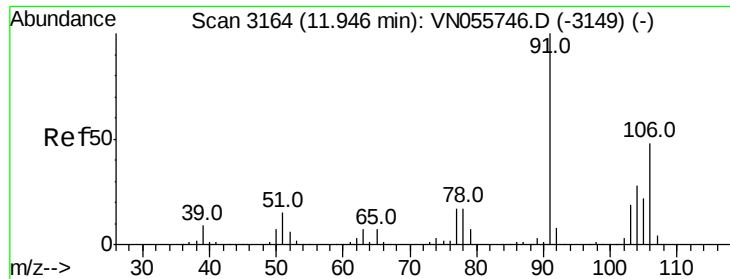
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#68
m/p-Xylenes
Concen: 36.990 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion: 106 Resp: 200553
Ion Ratio Lower Upper
106 100
91 198.1 159.3 238.9





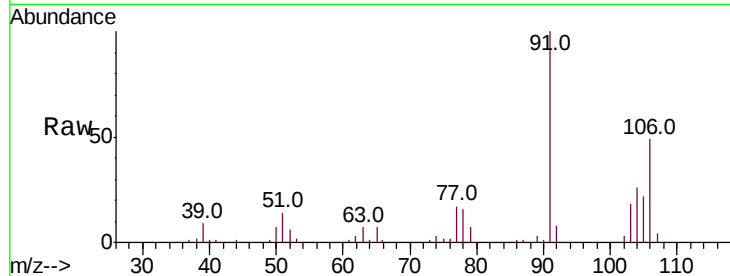
#69
o-Xylene
Concen: 18.736 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

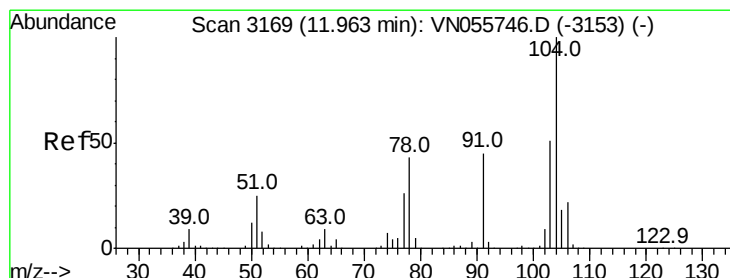
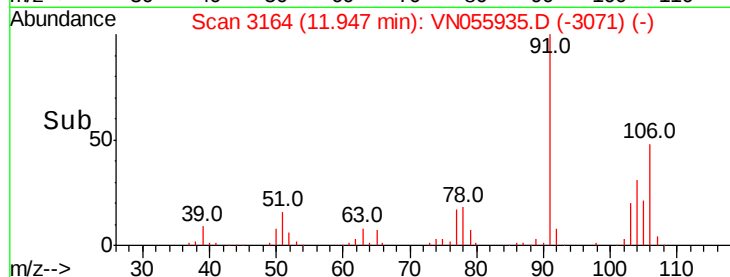
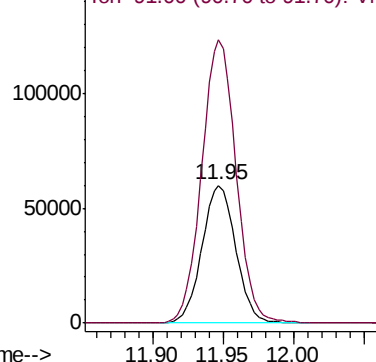
Tot Ion:106 Resp: 100787
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1

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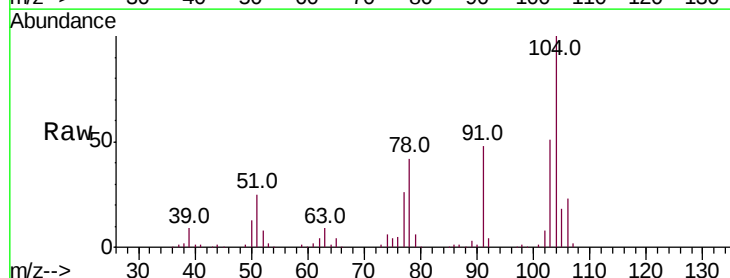


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

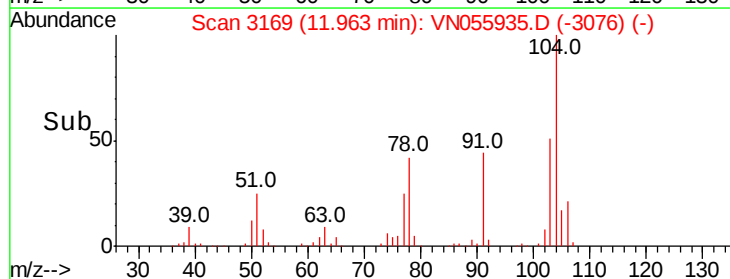
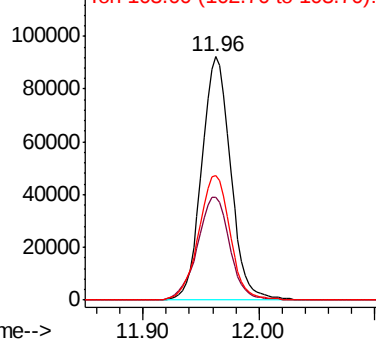


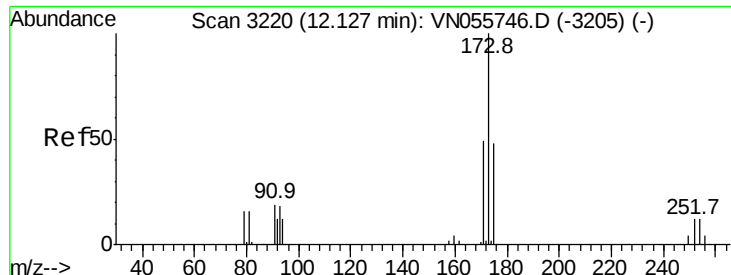
#70
Styrene
Concen: 18.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion:104 Resp: 159503
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.8 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





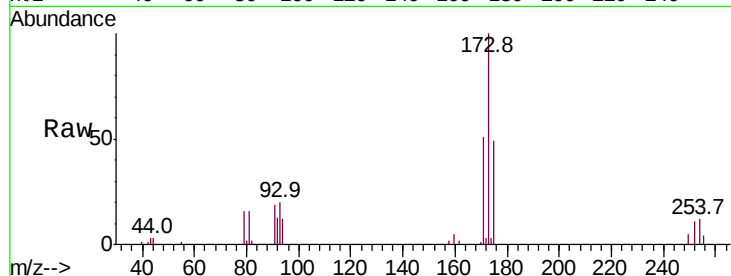
#71
Bromoform
Concen: 14.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

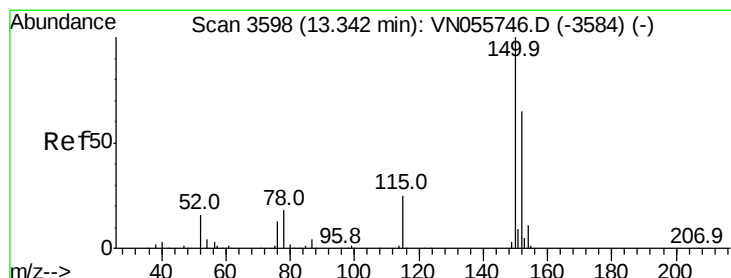
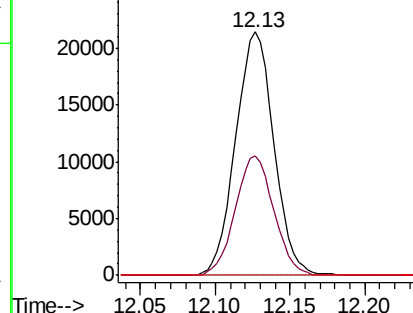
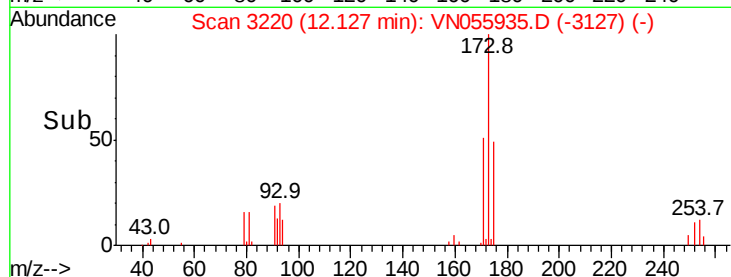
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.0	0.0

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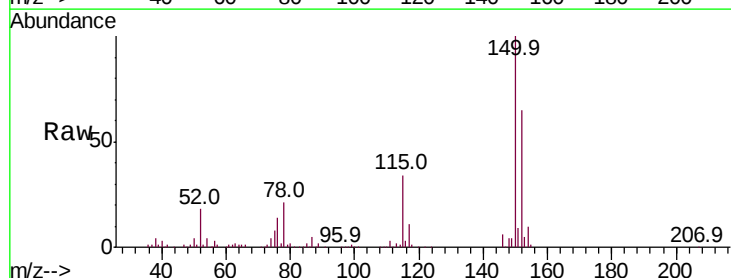


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

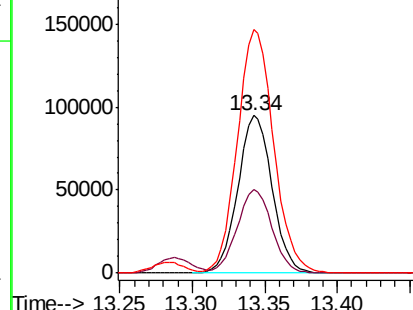
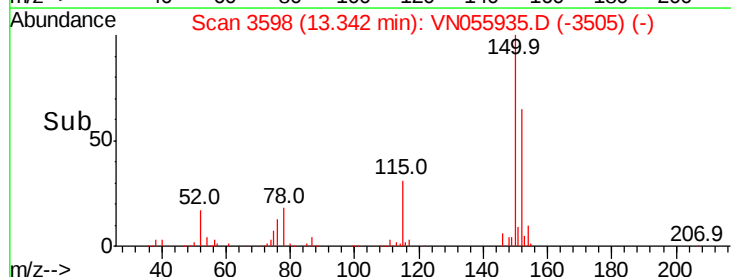


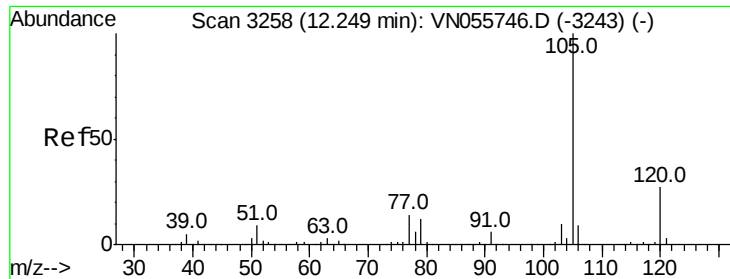
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.0	81.0
150	163.4	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: 22.434 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion:105 Resp: 264497

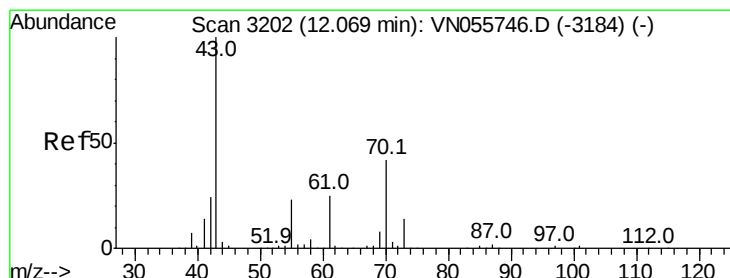
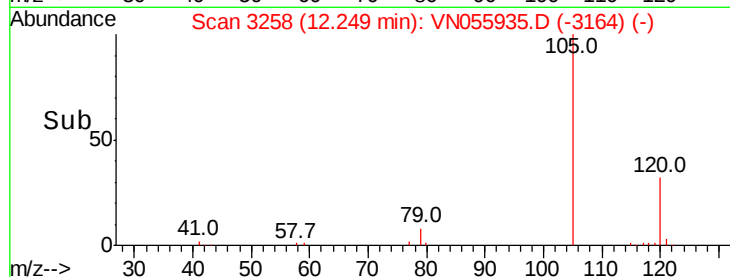
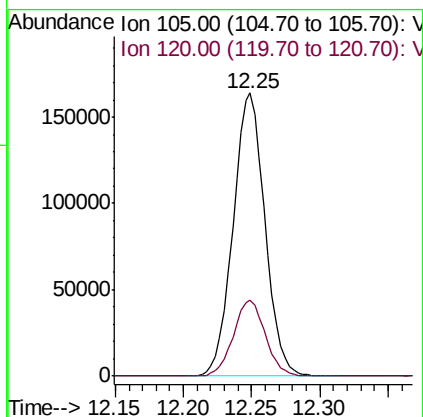
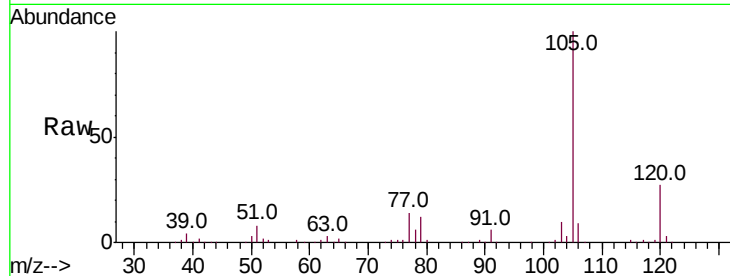
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.394 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Tgt Ion: 43 Resp: 91585

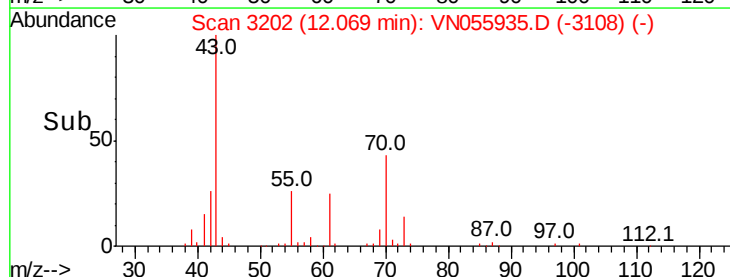
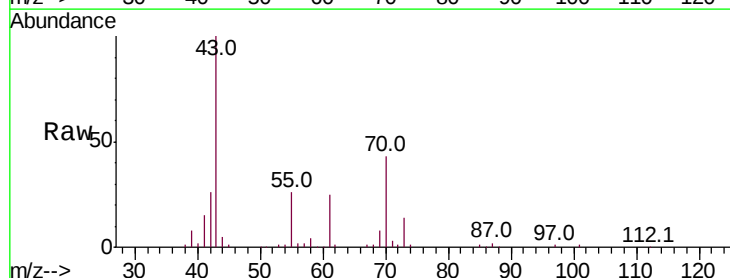
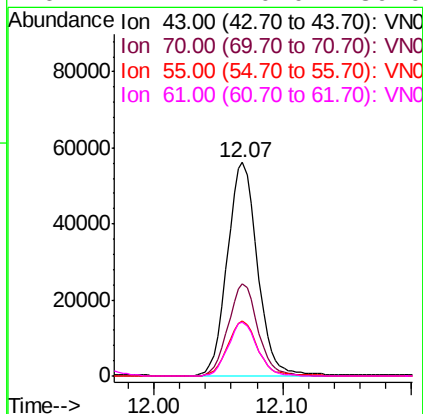
Ion Ratio Lower Upper

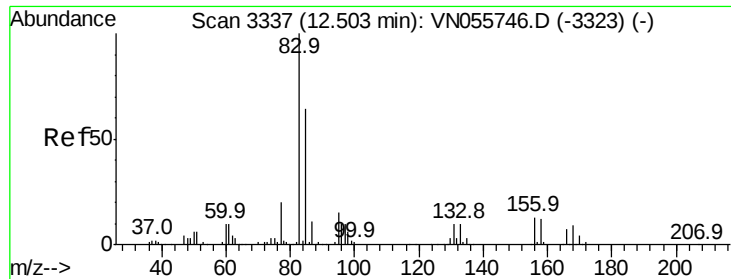
43 100

70 42.4 34.0 51.0

55 25.5 18.6 28.0

61 24.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.627 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

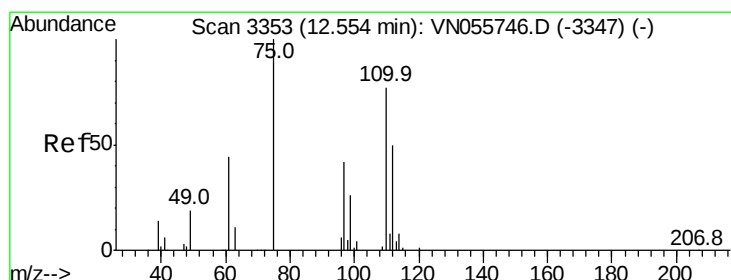
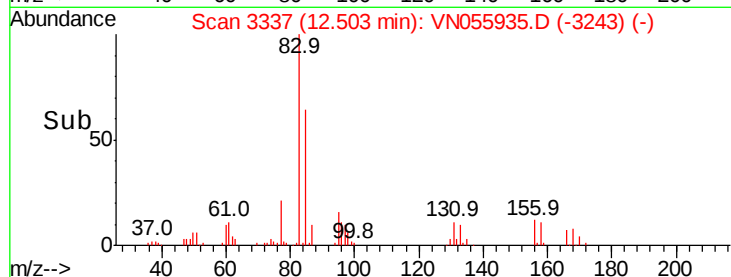
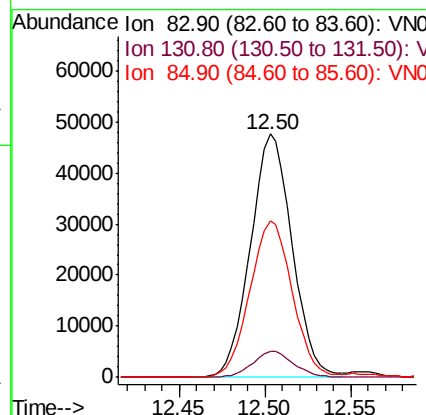
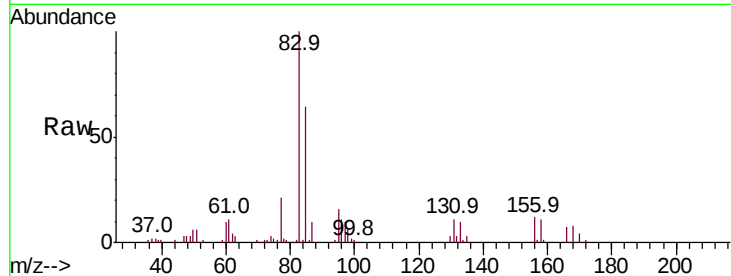
ClientSampleId :

VN0531WBS02

Tot Ion:	83	Resp:	80092
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	65.2	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 23.275 ug/l m

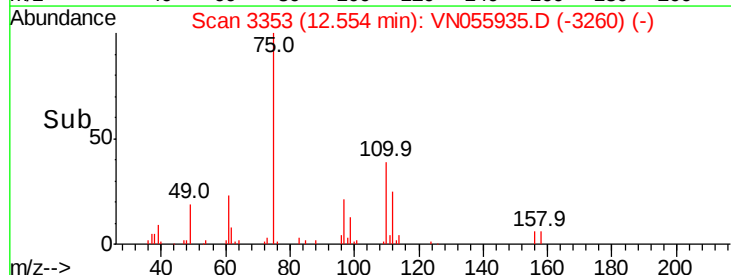
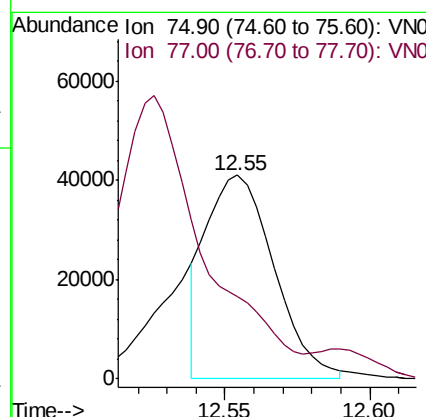
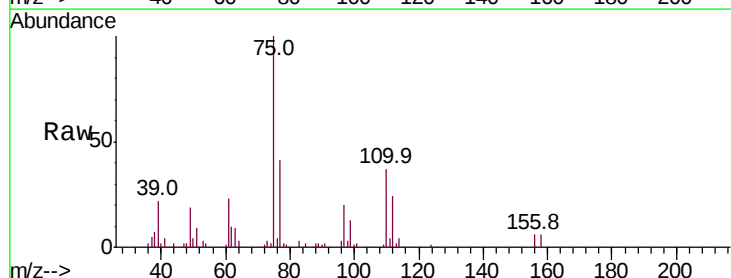
RT: 12.55 min Scan# 3353

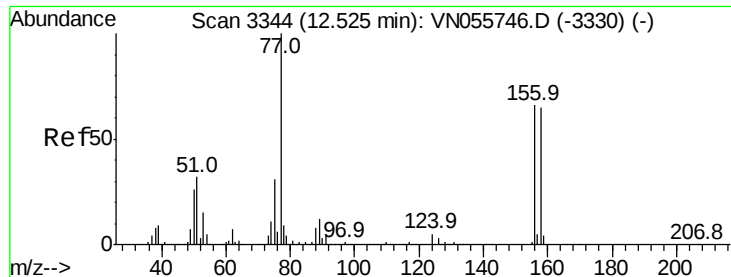
Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Tgt Ion:	75	Resp:	66848
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





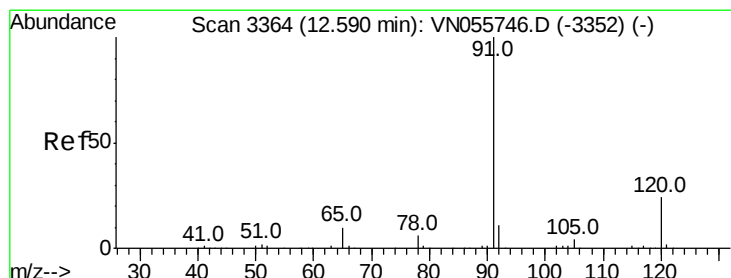
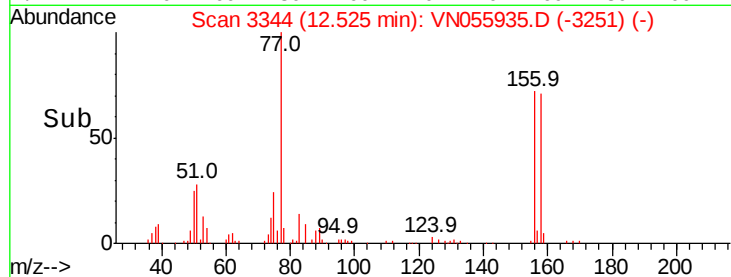
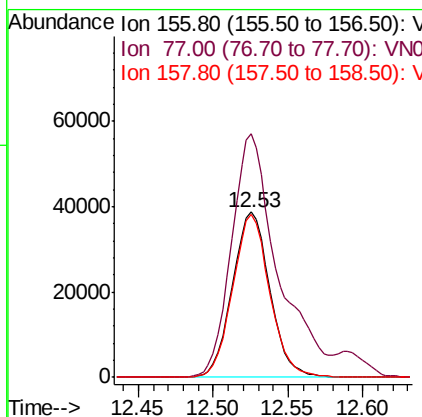
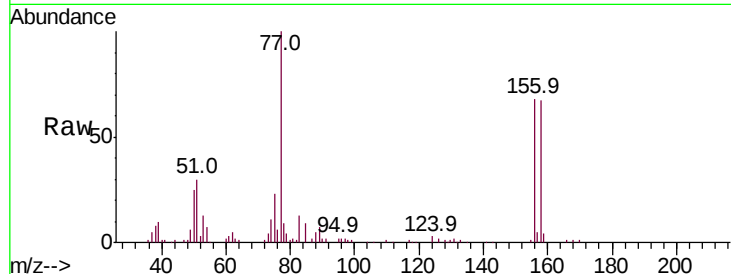
#77
Bromobenzene
Concen: 20.358 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.4	90.8	272.5
158	97.5	49.3	147.8

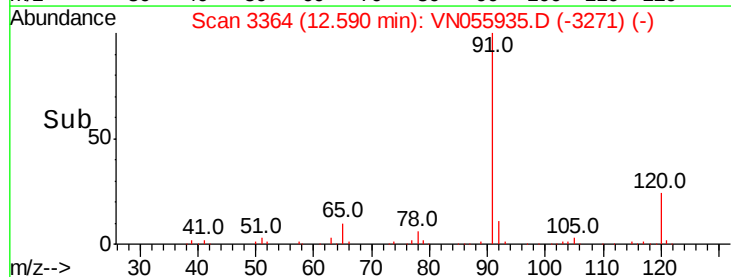
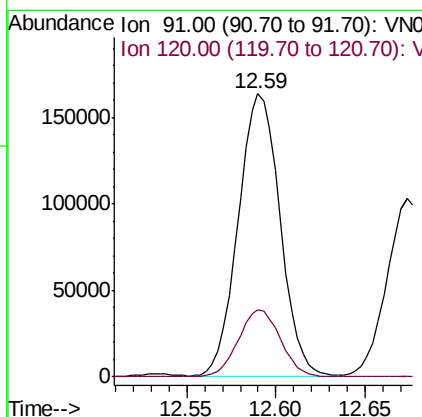
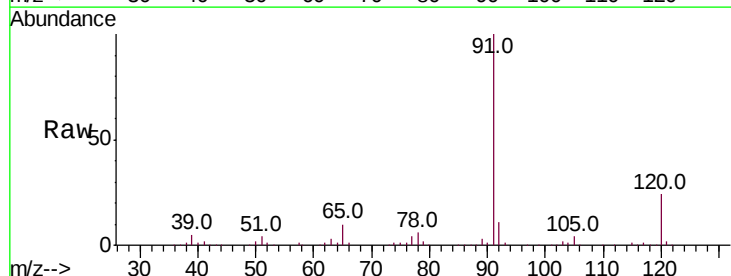
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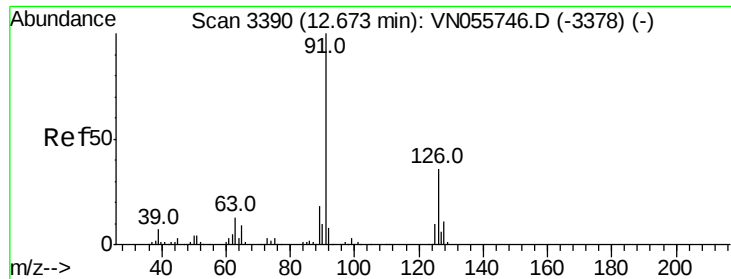
MMDadoda
6/3/2019 4:12:32 PM



#78
n-propylbenzene
Concen: 19.679 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.712 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 91 Resp: 168612

Ion Ratio Lower Upper

91 100

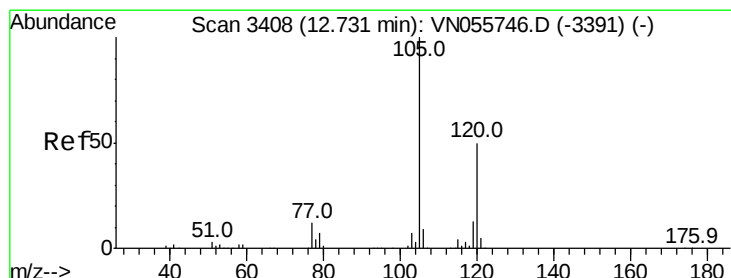
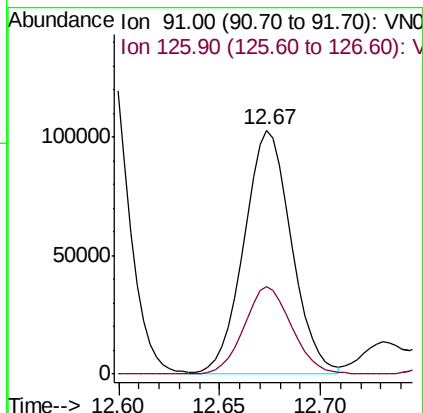
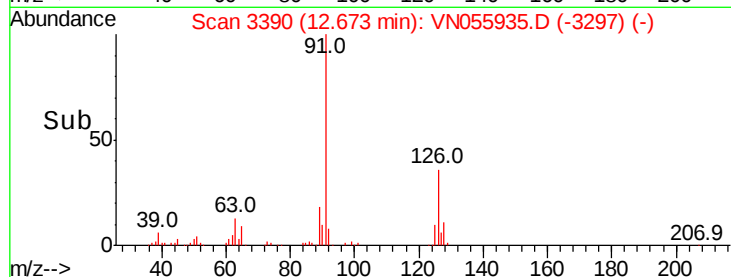
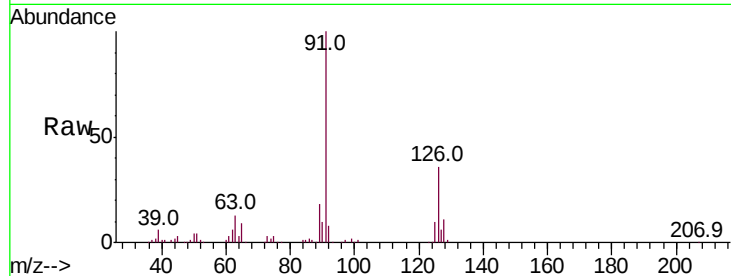
126 36.2 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.320 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055935.D

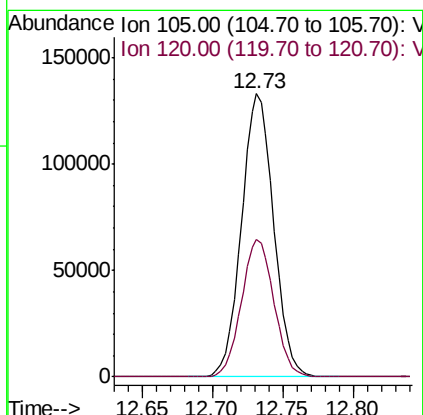
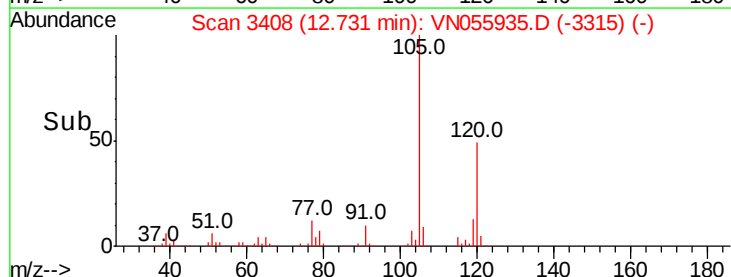
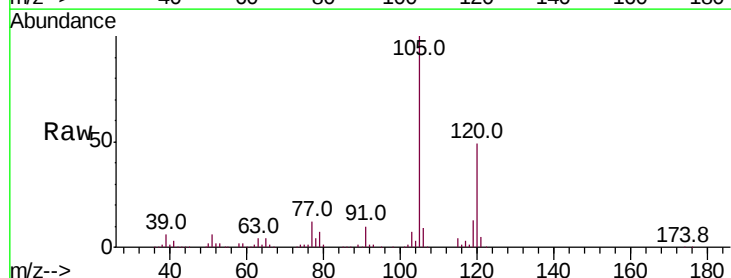
Acq: 31 May 2019 22:40

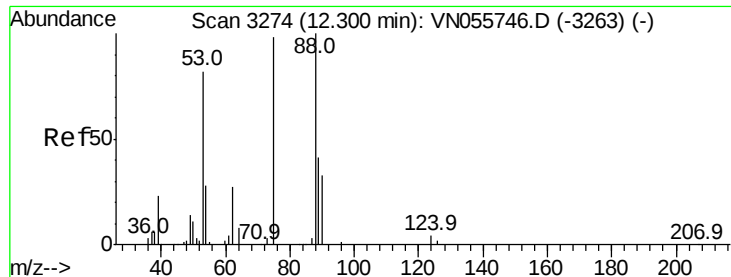
Tgt Ion: 105 Resp: 212248

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.102 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055935.D

Acq: 31 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS02

Tot Ion: 75 Resp: 16304

Ion Ratio Lower Upper

75 100

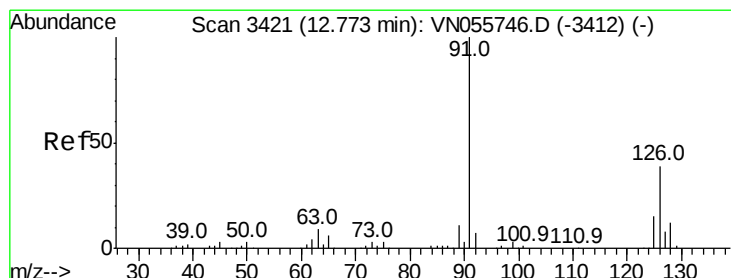
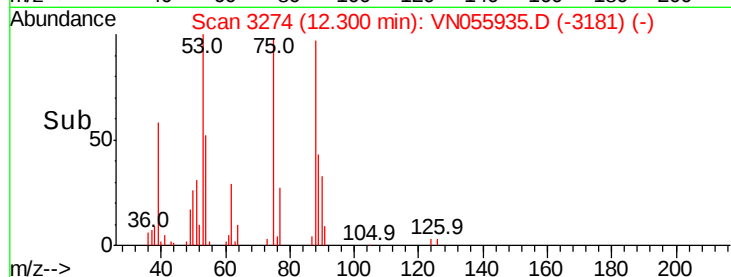
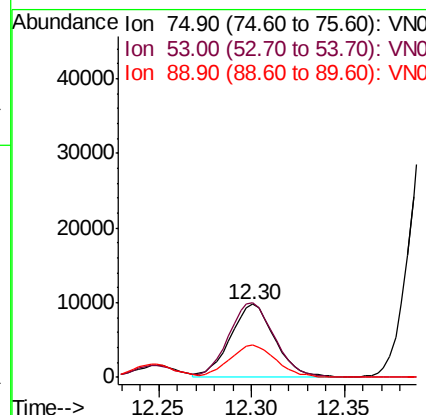
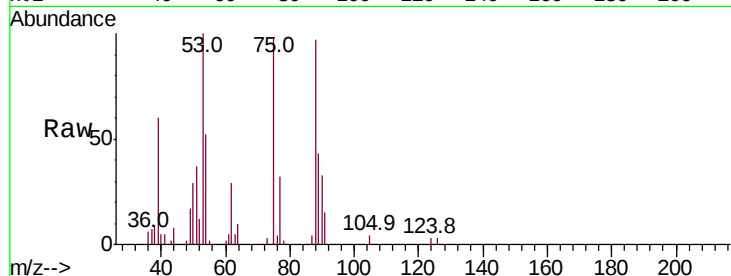
53 104.7 68.1 102.1#

89 45.8 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.560 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055935.D

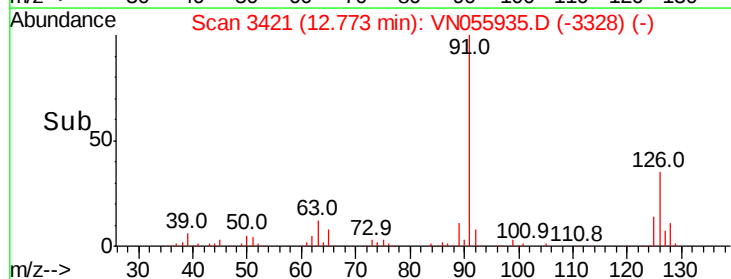
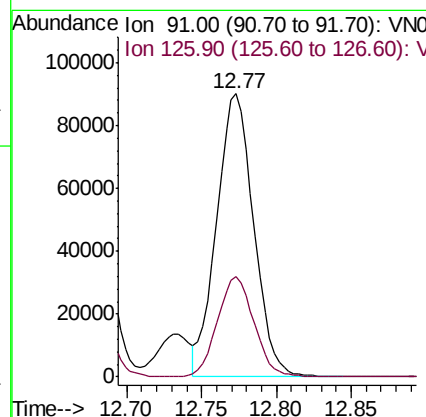
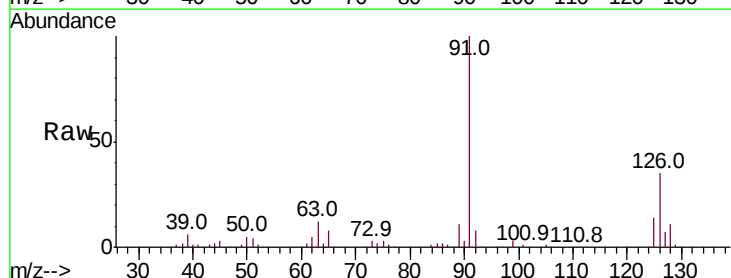
Acq: 31 May 2019 22:40

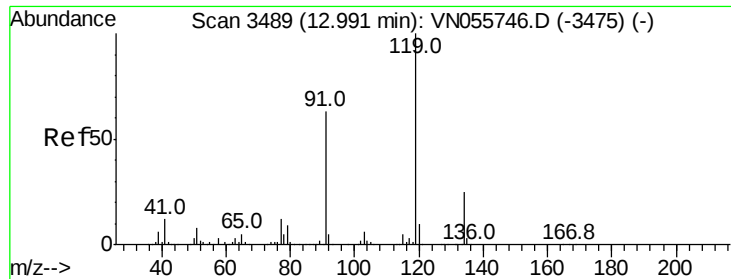
Tgt Ion: 91 Resp: 155447

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.3





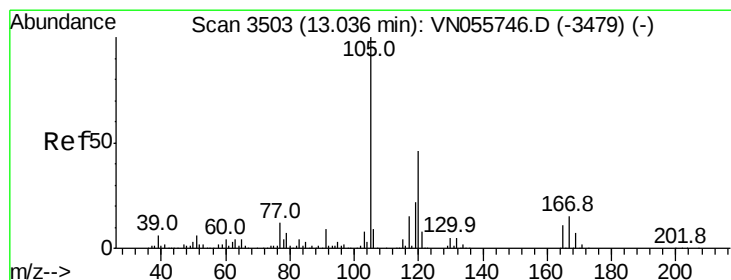
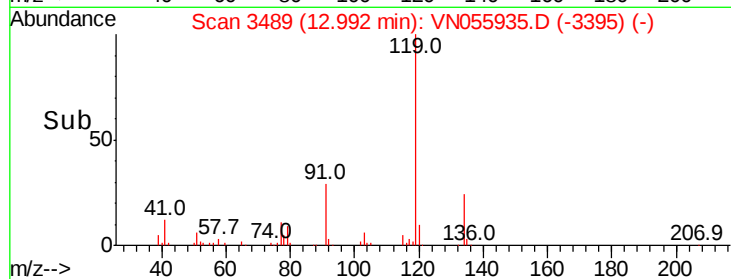
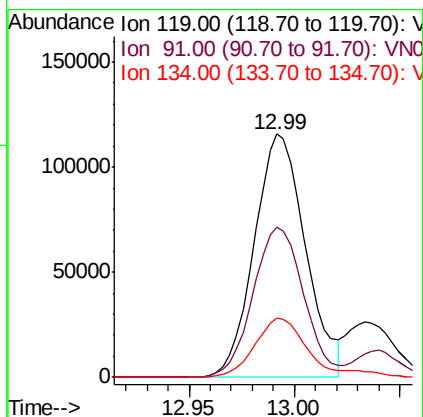
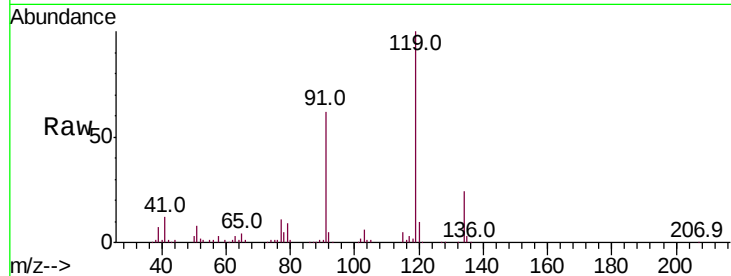
#83
tert-Butylbenzene
Concen: 22.651 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195686		
91	61.0	30.9	92.8	
134	25.8	13.3	39.8	

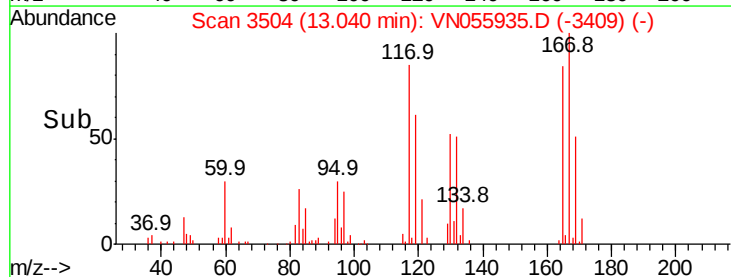
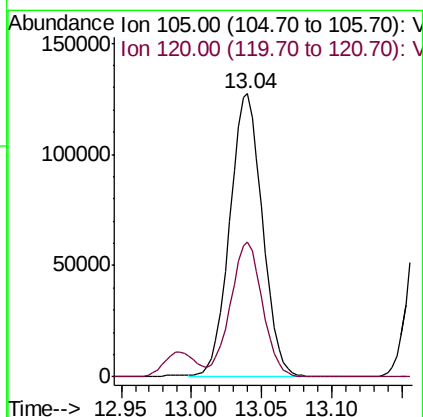
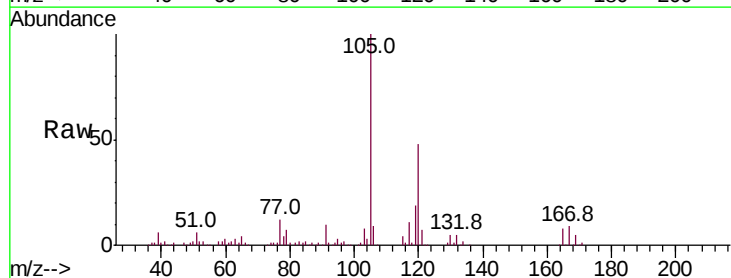
Manual Integrations
APPROVED

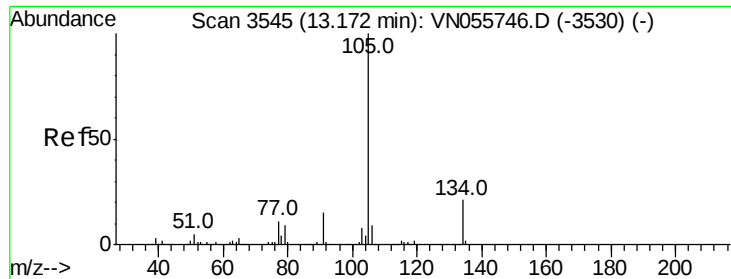
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#84
1,2,4-Trimethylbenzene
Concen: 20.801 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206132		
120	46.7	23.0	69.0	





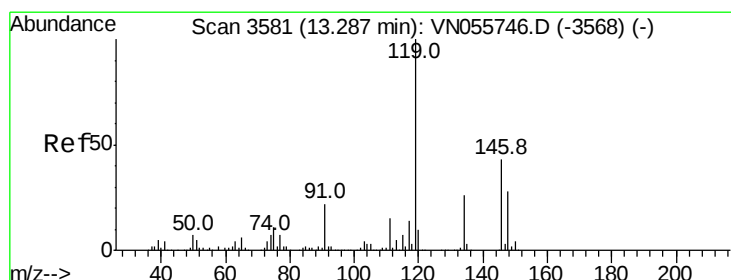
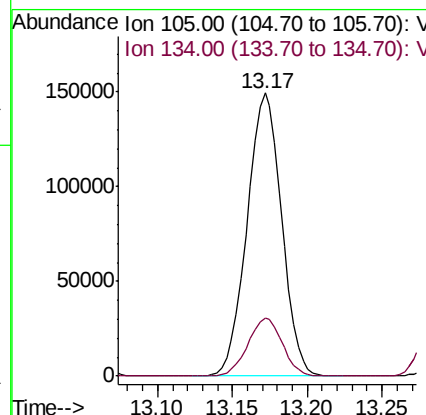
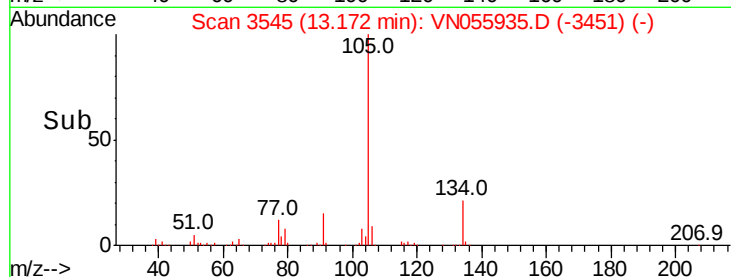
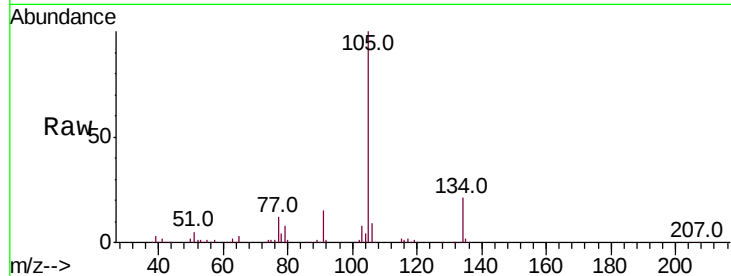
#85
 sec-Butylbenzene
 Concen: 21.585 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion:105 Resp: 240079
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.2

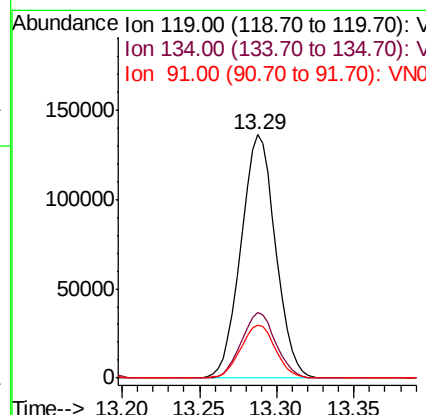
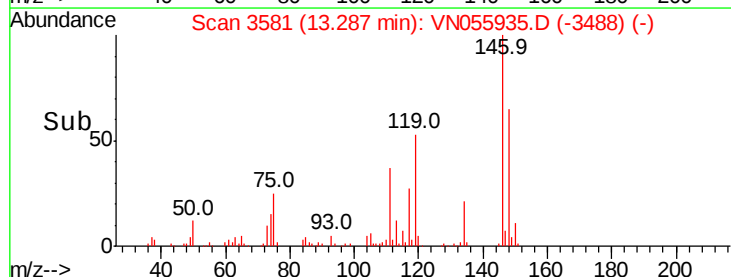
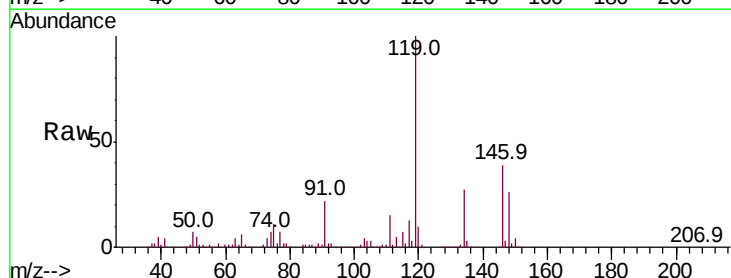
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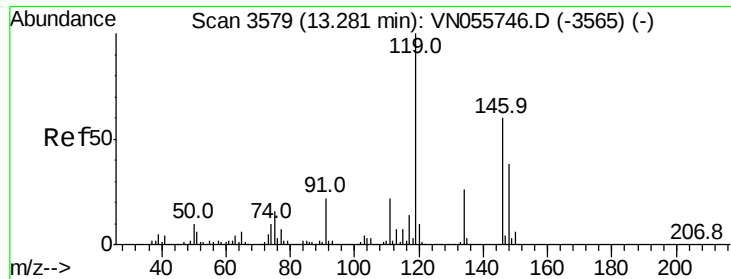
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#86
 p-Isopropyltoluene
 Concen: 19.589 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion:119 Resp: 211612
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 22.0 10.9 32.9





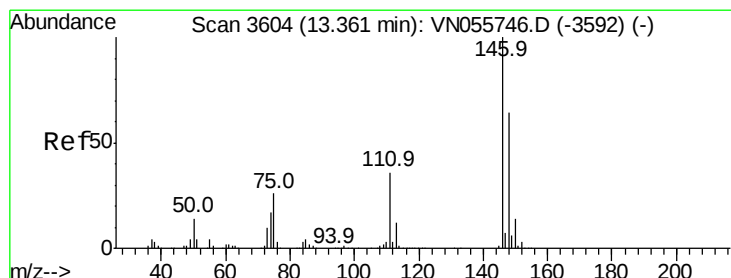
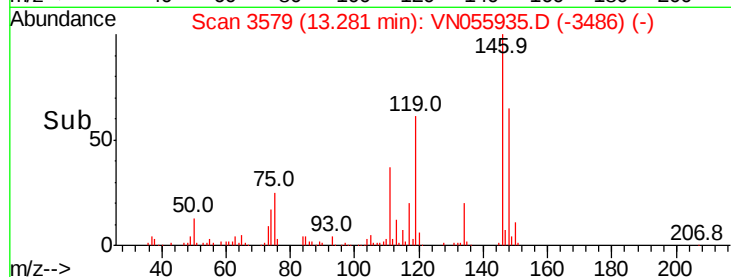
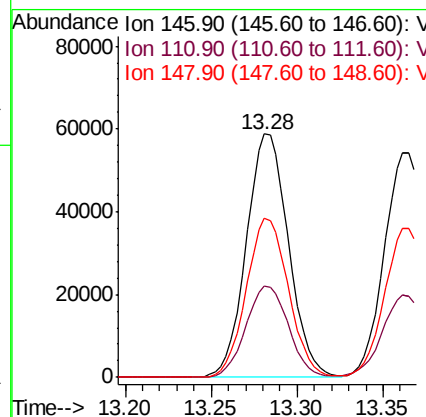
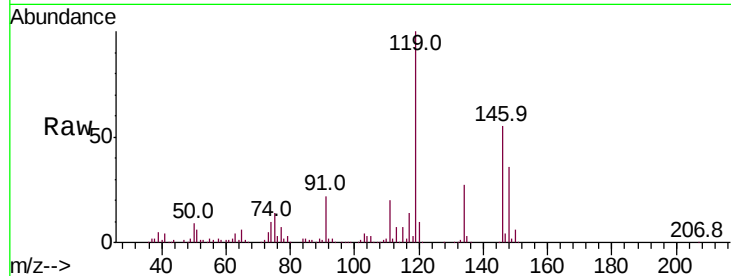
#87
 1,3-Dichlorobenzene
 Concen: 18.981 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.5	55.5
148	65.3	32.0	96.2

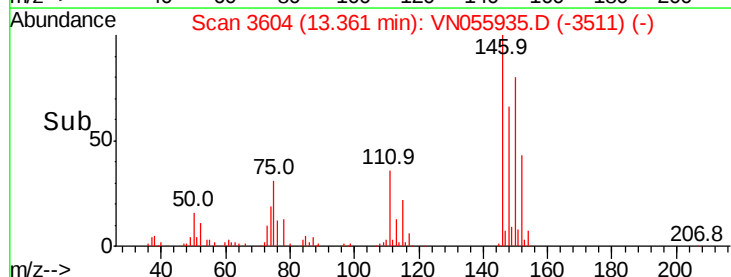
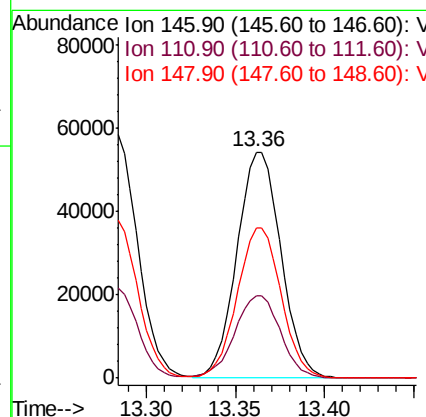
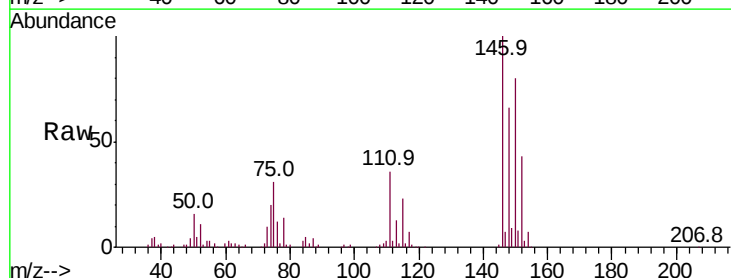
Manual Integrations
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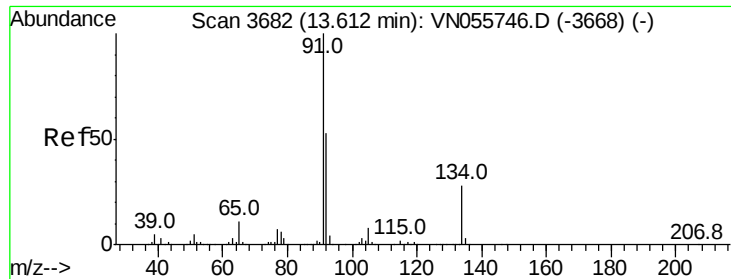
MMDadoda
 6/3/2019 4:12:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.655 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.4
148	66.4	32.1	96.5





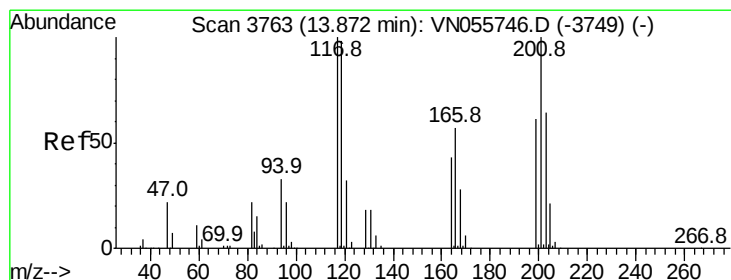
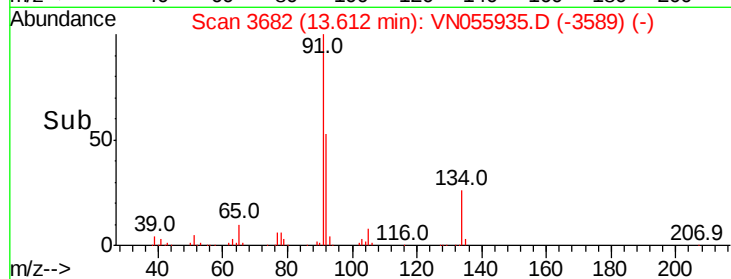
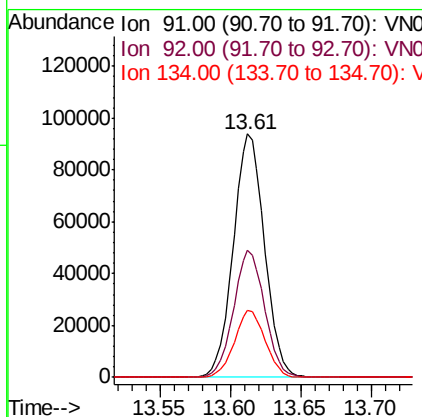
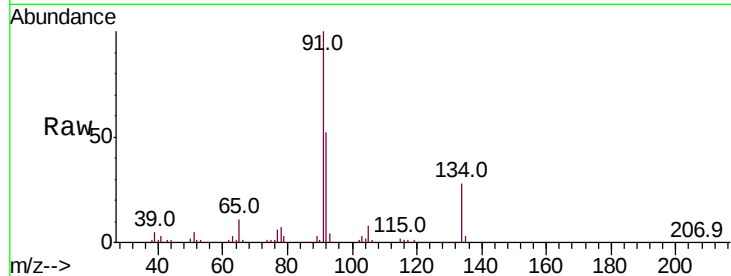
#89
n-Butylbenzene
Concen: 17.534 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	145131		
92	52.0	26.4	79.0	
134	27.2	13.9	41.7	

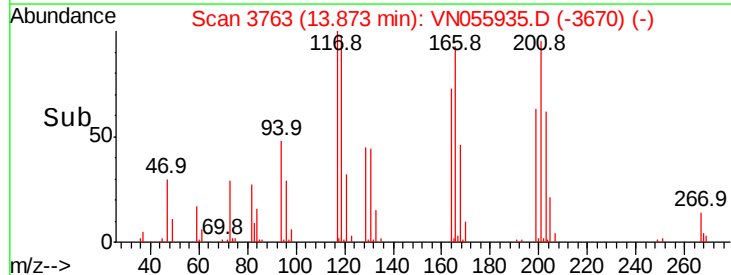
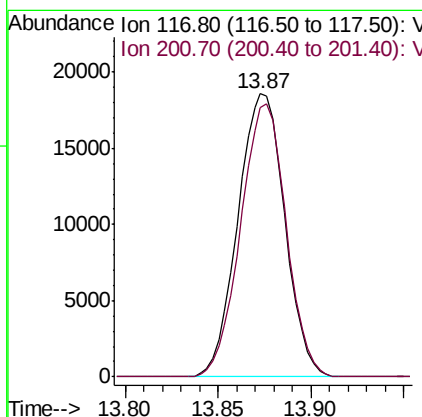
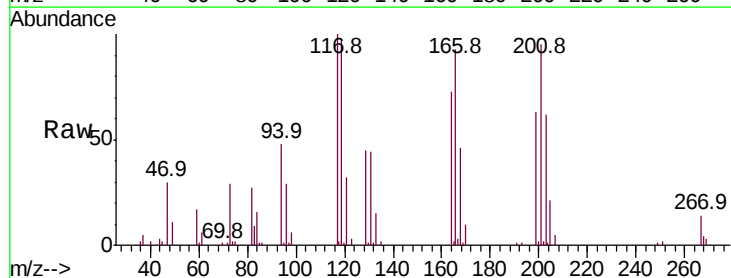
Manual Integrations
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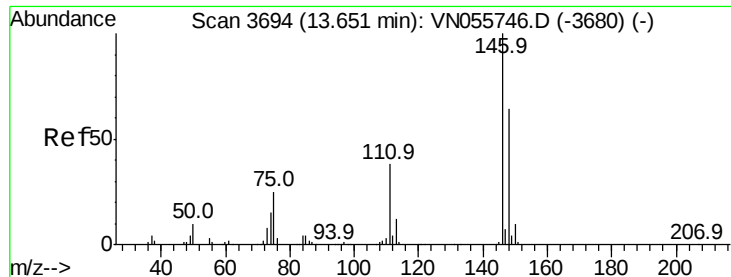
MMDadoda
6/3/2019 4:12:32 PM



#90
Hexachloroethane
Concen: 15.900 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32692		
201	93.9	50.0	150.0	





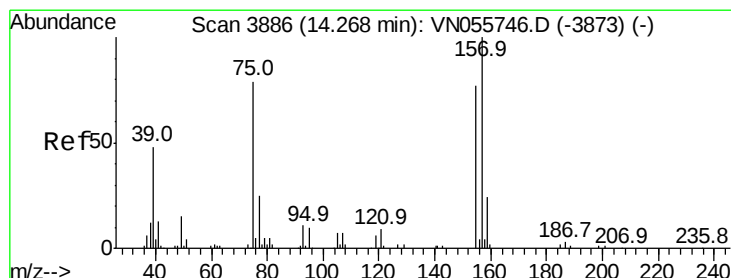
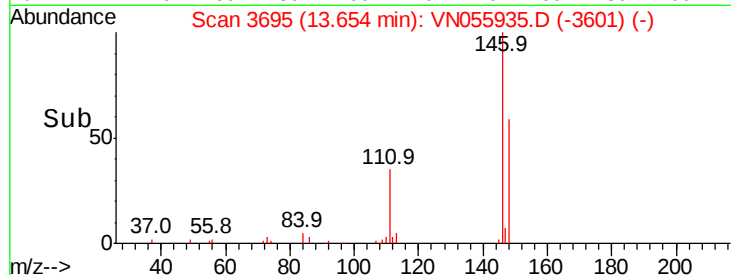
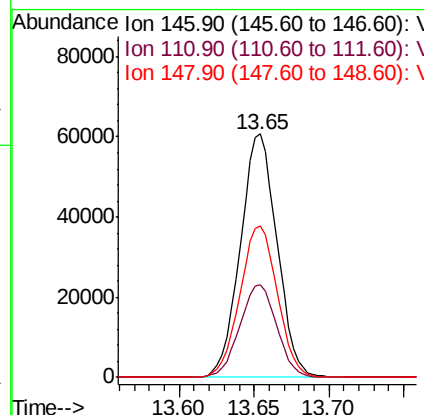
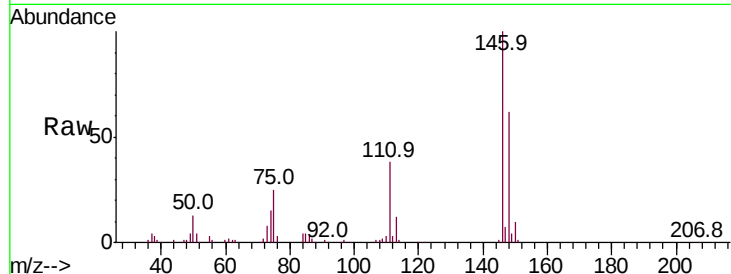
#91
 1,2-Dichlorobenzene
 Concen: 19.772 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.3	31.9	95.9

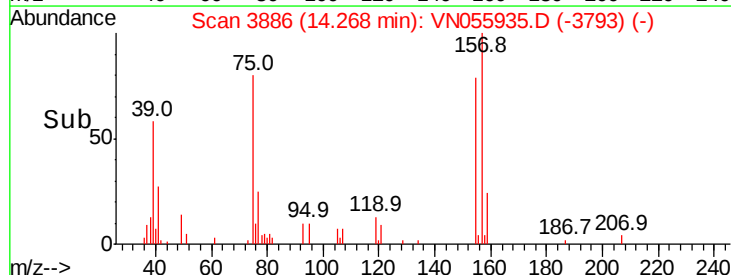
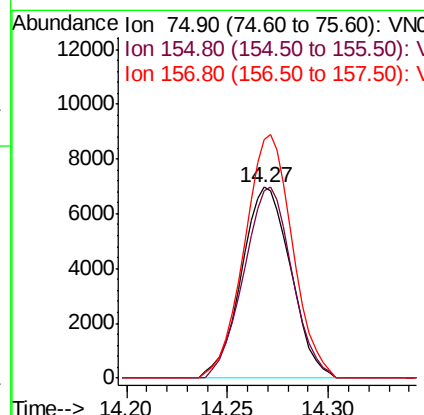
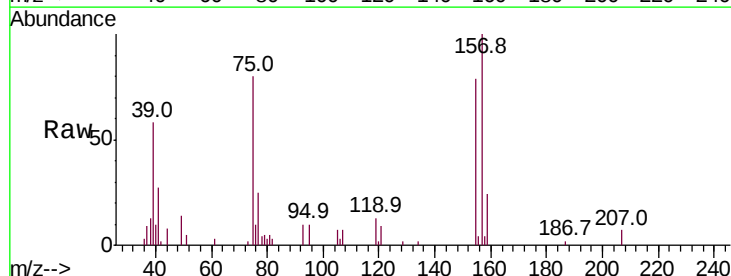
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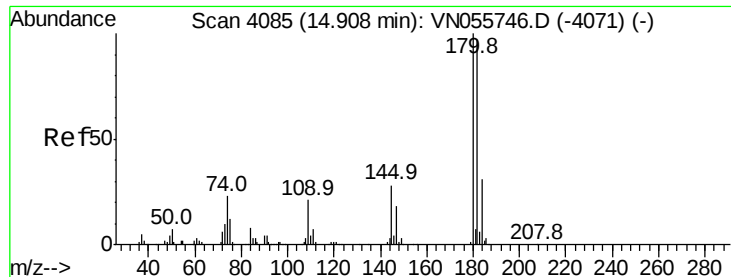
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.247 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	50.0	150.1
157	124.4	64.8	194.3





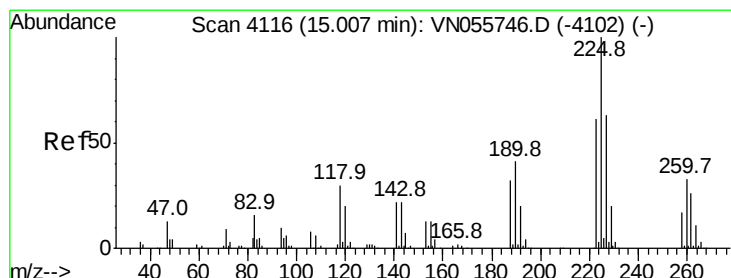
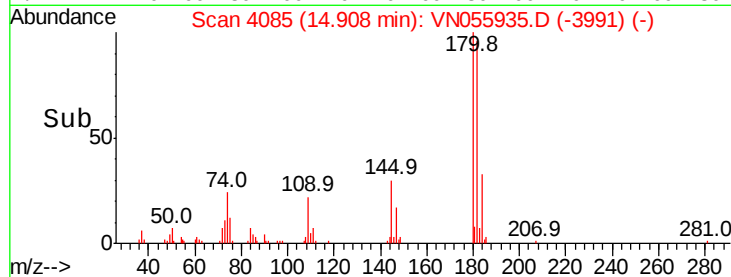
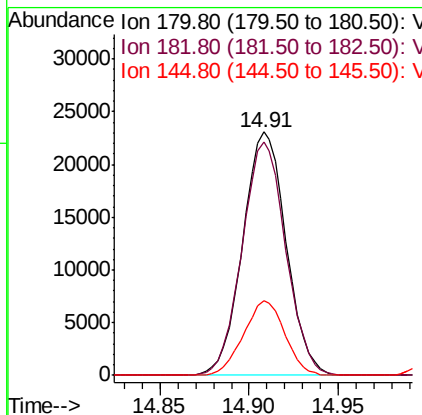
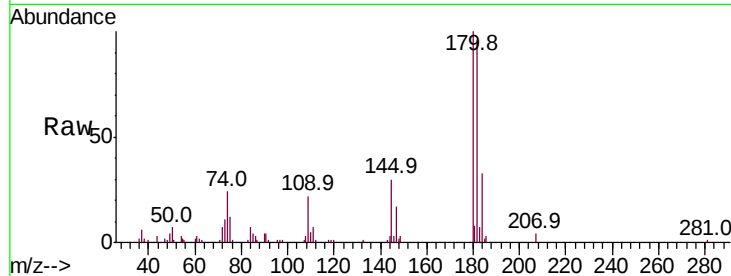
#93
 1,2,4-Trichlorobenzene
 Concen: 15.674 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.3	144.9	
145	29.1	14.0	41.9	

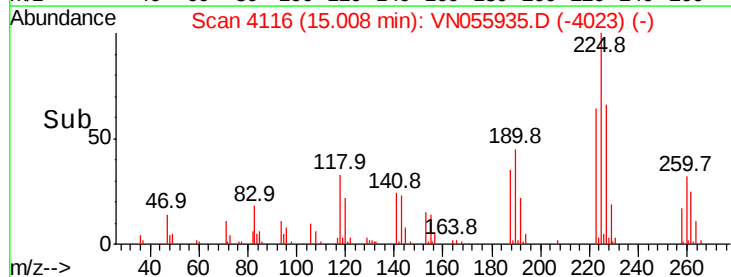
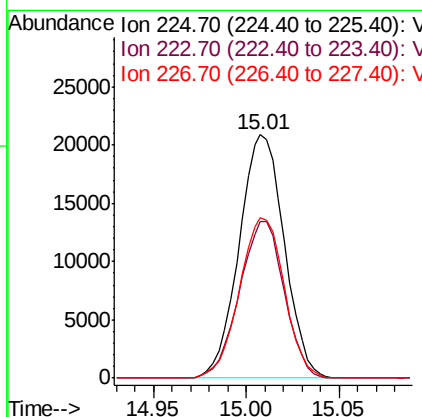
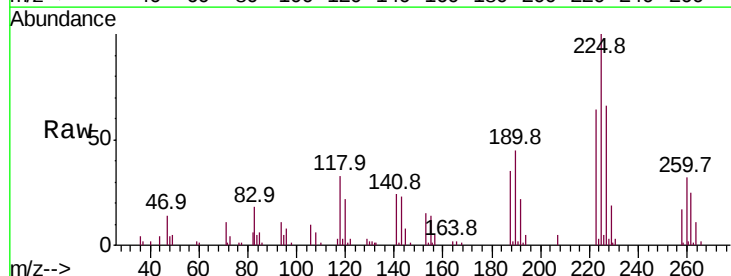
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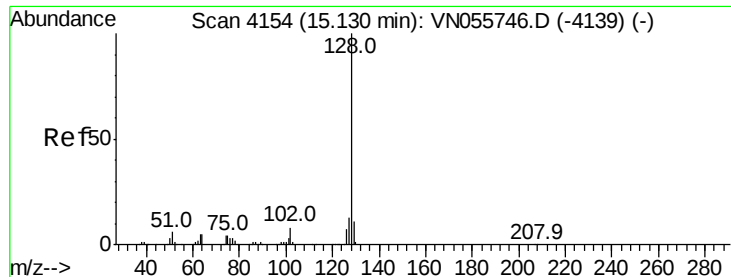
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#94
 Hexachlorobutadiene
 Concen: 17.963 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055935.D
 Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	30.9	92.7	
227	65.8	31.6	94.7	





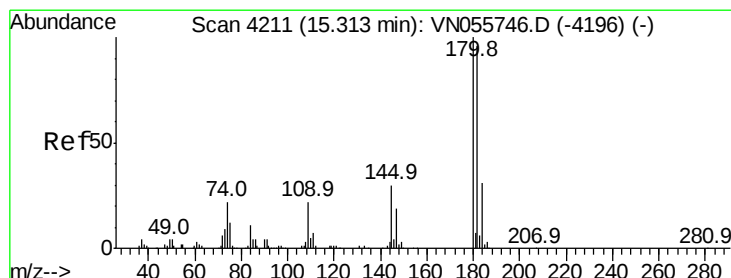
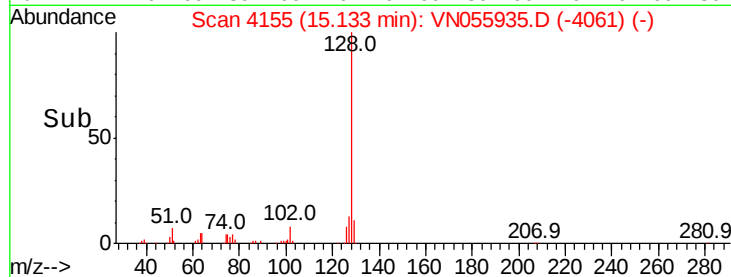
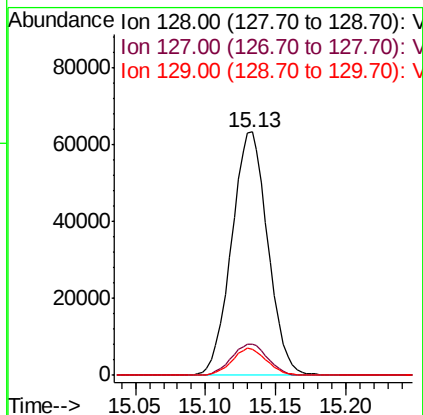
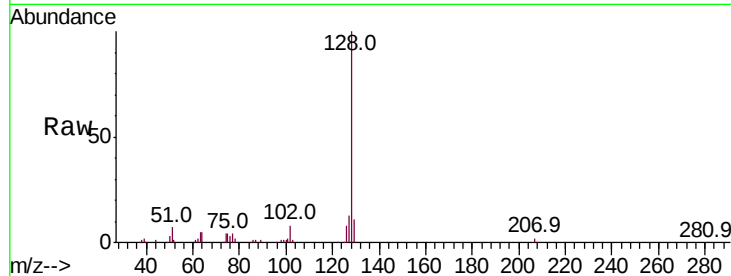
#95
Naphthalene
Concen: 15.765 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.457 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055935.D
Acq: 31 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.7
145	30.7	14.9	44.7

