

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059436.D
 Acq On : 29 Nov 2019 10:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:38:48 AM

Quant Time: Nov 29 22:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	382201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	590209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	527099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	220409	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	7.57	113	183341	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.08	98	722002	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	255353	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	201922	44.887	ug/l	99
3) Chloromethane	2.04	50	239063	43.507	ug/l	98
4) Vinyl Chloride	2.17	62	230948	43.738	ug/l	99
5) Bromomethane	2.55	94	135060	42.482	ug/l	99
6) Chloroethane	2.68	64	130351	44.029	ug/l	100
7) Trichlorofluoromethane	3.00	101	272406	43.312	ug/l	97
8) Diethyl Ether	3.38	74	112657	44.012	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	170378	43.985	ug/l	99
10) Methyl Iodide	3.93	142	225648	44.755	ug/l	99
11) Tert butyl alcohol	4.76	59	168263	216.949	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	168523	44.424	ug/l	99
13) Acrolein	3.58	56	127561	168.485	ug/l	97
14) Allyl chloride	4.29	41	307499	43.706	ug/l	99
15) Acrylonitrile	4.95	53	468642	216.845	ug/l	100
16) Acetone	3.79	43	563603	264.245	ug/l	99
17) Carbon Disulfide	4.03	76	541544	41.600	ug/l	99
18) Methyl Acetate	4.29	43	232031	39.948	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	552977	45.236	ug/l	98
20) Methylene Chloride	4.52	84	185594	42.824	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	181474	43.908	ug/l	100
22) Diisopropyl ether	5.92	45	593885	45.424	ug/l	100
23) Vinyl Acetate	5.86	43	2443995	231.705	ug/l	99
24) 1,1-Dichloroethane	5.82	63	337740	44.897	ug/l	99
25) 2-Butanone	6.81	43	682131	232.477	ug/l	100
26) 2,2-Dichloropropane	6.80	77	286248	44.714	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	201224	44.516	ug/l	100
28) Bromochloromethane	7.17	49	170528	52.905	ug/l	98
29) Tetrahydrofuran	7.18	42	420649	215.555	ug/l	99
30) Chloroform	7.35	83	332534	43.929	ug/l	99
31) Cyclohexane	7.63	56	321534	42.637	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	275124	44.444	ug/l	100
36) 1,1-Dichloropropene	7.77	75	255709	45.053	ug/l	99
37) Ethyl Acetate	6.90	43	258006	42.965	ug/l	98
38) Carbon Tetrachloride	7.75	117	244924	45.725	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	312880	46.078	ug/l	99
40) Benzene	8.02	78	756784	44.907	ug/l	99
41) Methacrylonitrile	7.16	41	125077m	44.731	ug/l	
42) 1,2-Dichloroethane	8.10	62	242348	45.353	ug/l	100
43) Isopropyl Acetate	8.14	43	410221	44.968	ug/l	99
44) Trichloroethene	8.82	130	195557	45.510	ug/l	99
45) 1,2-Dichloropropane	9.10	63	201826	45.787	ug/l	99
46) Dibromomethane	9.19	93	121712	44.744	ug/l	99
47) Bromodichloromethane	9.39	83	249669	45.380	ug/l	97
48) Methyl methacrylate	9.18	41	181504	44.846	ug/l	99
49) 1,4-Dioxane	9.19	88	61296	1036.972	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1221497	230.844	ug/l	100
52) Toluene	10.15	92	459776	45.667	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	290138	45.894	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	318994	46.742	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	176608	44.817	ug/l	100
56) Ethyl methacrylate	10.42	69	271932	49.222	ug/l	99
57) 1,3-Dichloropropane	10.70	76	308235	45.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	347881	206.035	ug/l	99
59) 2-Hexanone	10.74	43	928692	236.687	ug/l	100
60) Dibromochloromethane	10.90	129	194156	47.200	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182070	45.088	ug/l	100
64) Tetrachloroethene	10.63	164	174476	44.752	ug/l	98
65) Chlorobenzene	11.43	112	479581	44.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177975	45.992	ug/l	100
67) Ethyl Benzene	11.51	91	871425	46.493	ug/l	100
68) m/p-Xylenes	11.62	106	646818	92.430	ug/l	100
69) o-Xylene	11.95	106	306178	45.622	ug/l	98
70) Styrene	11.96	104	499129	49.569	ug/l	100
71) Bromoform	12.13	173	136384	46.286	ug/l #	100
73) Isopropylbenzene	12.25	105	828643	45.486	ug/l	99
74) N-amyl acetate	12.07	43	317215	49.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	258815	43.565	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	246771m	44.358	ug/l	
77) Bromobenzene	12.53	156	202341	45.366	ug/l	99
78) n-propylbenzene	12.59	91	968054	46.113	ug/l	100
79) 2-Chlorotoluene	12.67	91	563945	44.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	702589	45.881	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	96005	44.342	ug/l	99
82) 4-Chlorotoluene	12.77	91	583052	45.150	ug/l	100
83) tert-Butylbenzene	12.99	119	595552	45.292	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	694587	46.302	ug/l	100
85) sec-Butylbenzene	13.17	105	801222	45.885	ug/l	100
86) p-Isopropyltoluene	13.29	119	725672	45.969	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	354415	44.838	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	347351	43.772	ug/l	99
89) n-Butylbenzene	13.62	91	628950	45.578	ug/l	100
90) Hexachloroethane	13.88	117	132559	43.934	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	340944	44.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48603	47.851	ug/l	99

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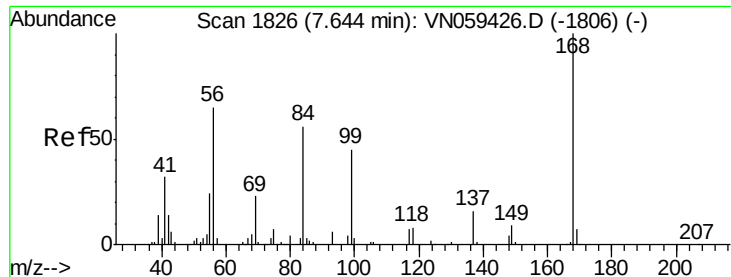
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	202370	42.034	ug/l	100
94) Hexachlorobutadiene	15.01	225	124297	42.128	ug/l	100
95) Naphthalene	15.13	128	518889	48.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	202025	49.528	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 382201

Ion Ratio Lower Upper

168 100

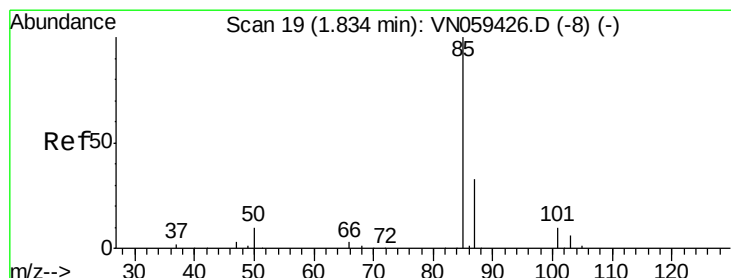
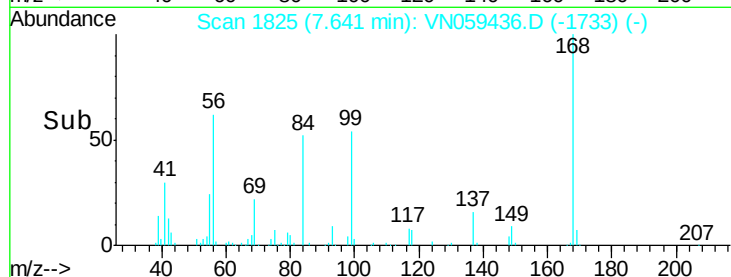
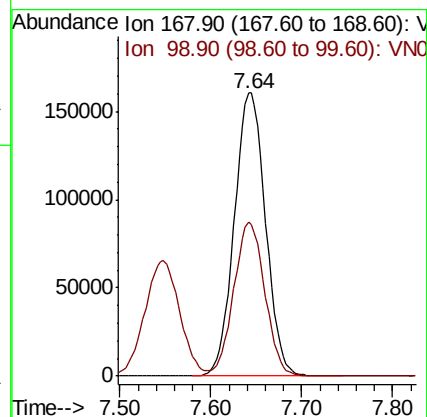
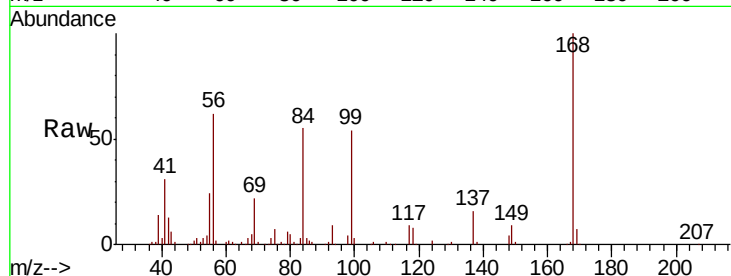
99 54.4 43.0 64.4

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#2

Dichlorodifluoromethane

Concen: 44.887 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059436.D

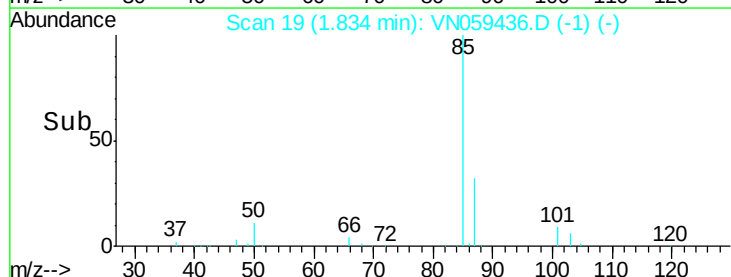
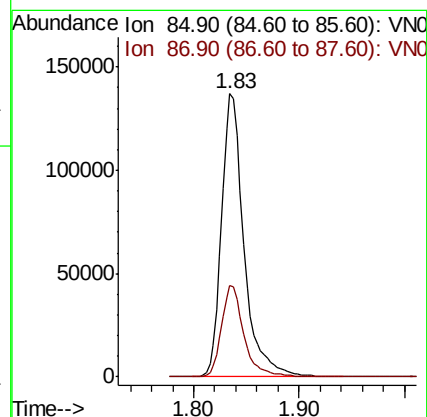
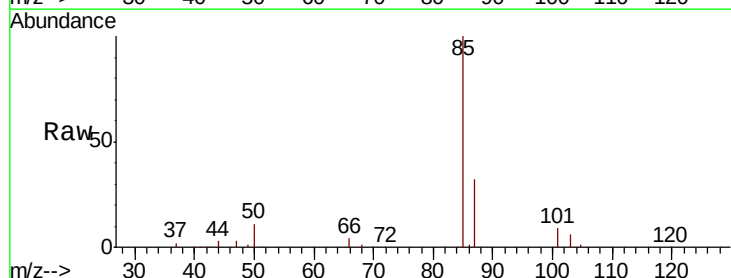
Acq: 29 Nov 2019 10:12

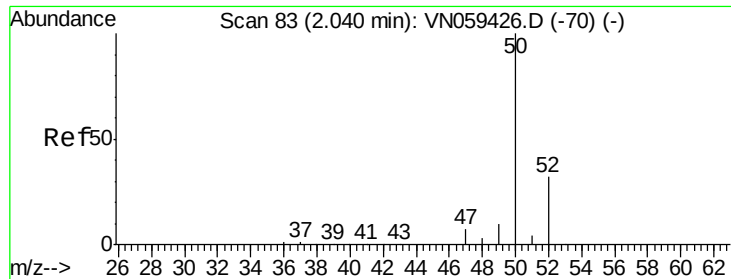
Tgt Ion: 85 Resp: 201922

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2





#3

Chloromethane

Concen: 43.507 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 239063

Ion Ratio Lower Upper

50 100

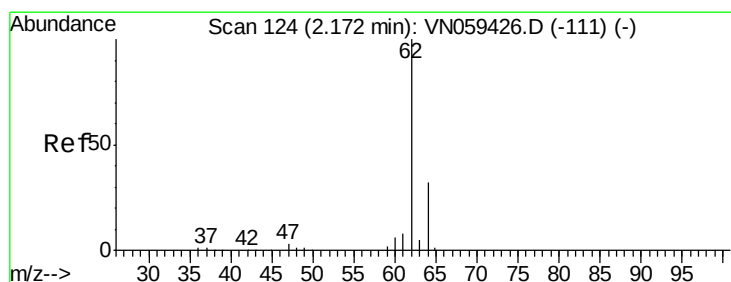
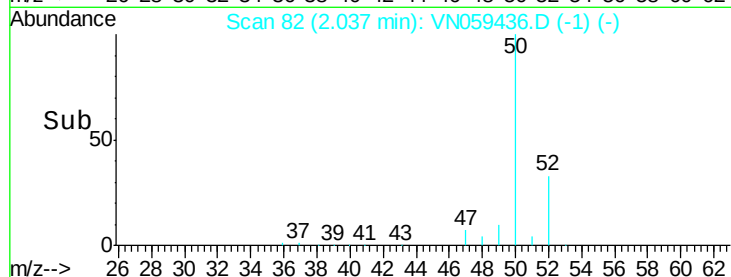
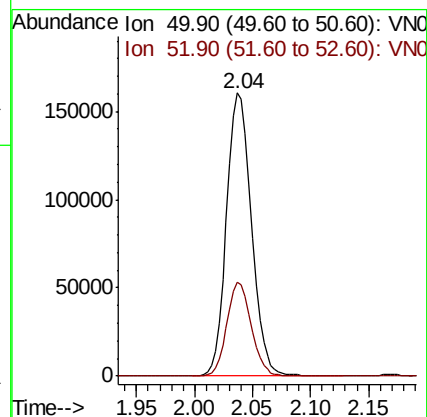
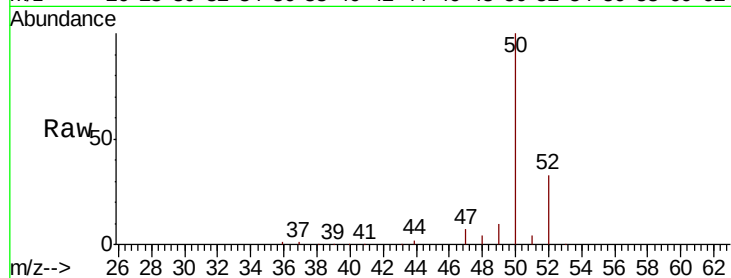
52 33.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.738 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059436.D

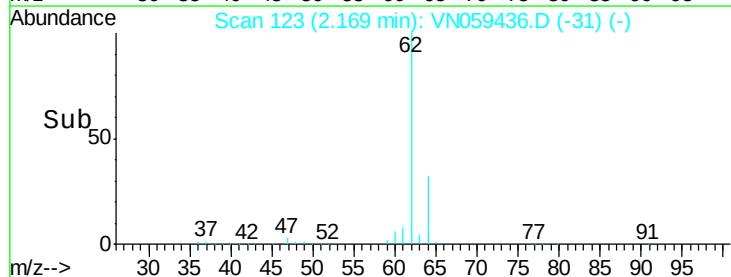
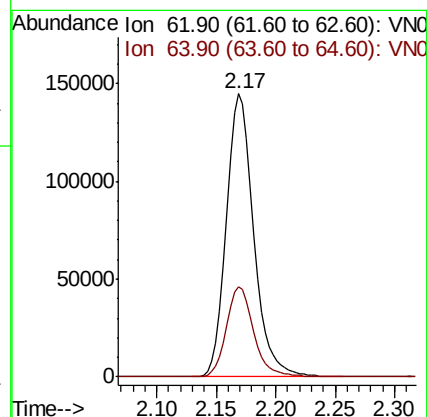
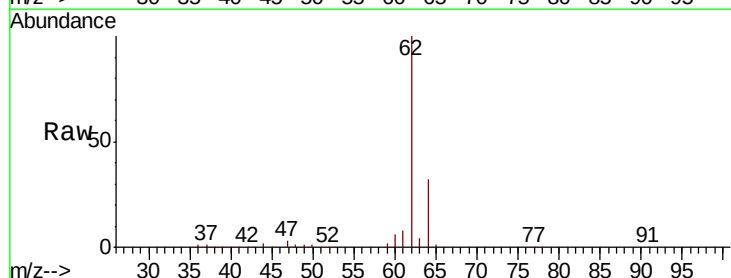
Acq: 29 Nov 2019 10:12

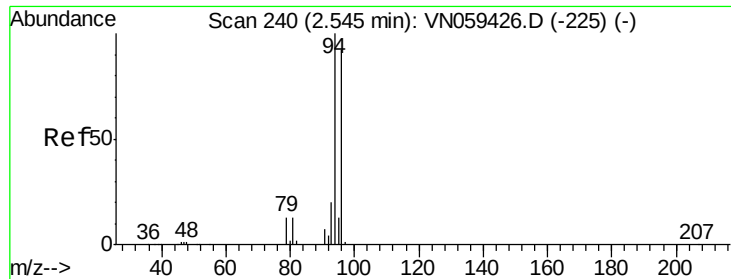
Tgt Ion: 62 Resp: 230948

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 42.482 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 135060

Ion Ratio Lower Upper

94 100

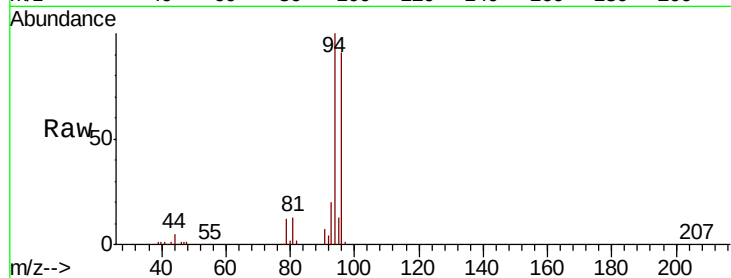
96 91.0 73.8 110.6

Manual Integrations

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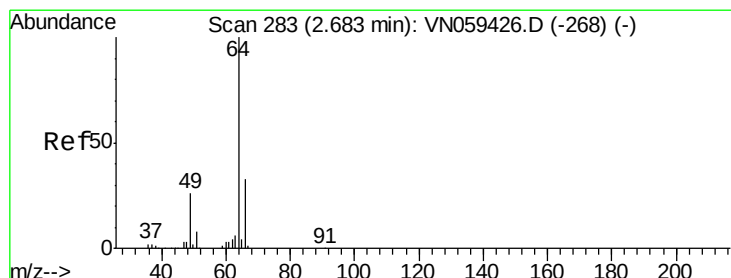
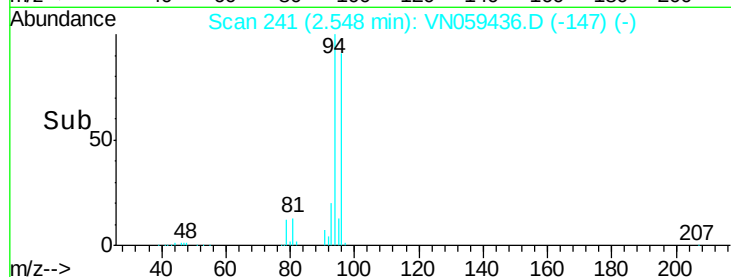
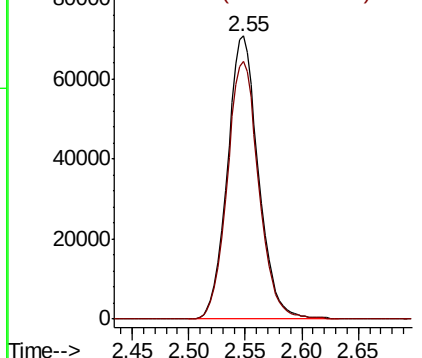
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.029 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059436.D

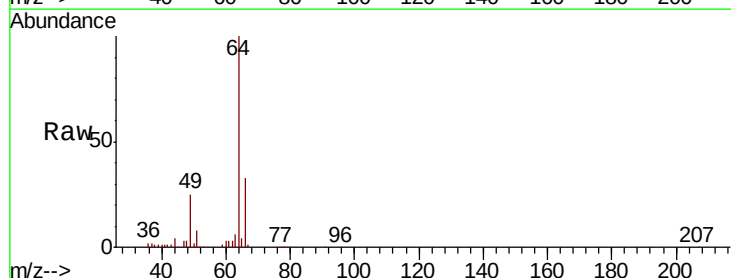
Acq: 29 Nov 2019 10:12

Tgt Ion: 64 Resp: 130351

Ion Ratio Lower Upper

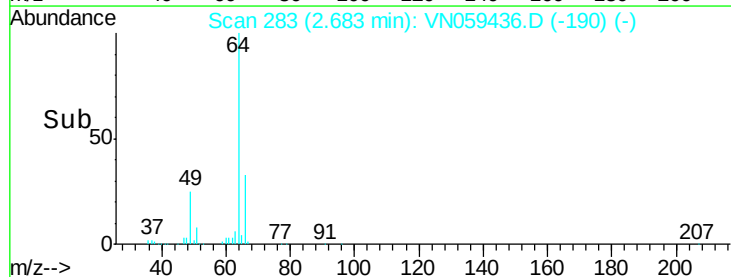
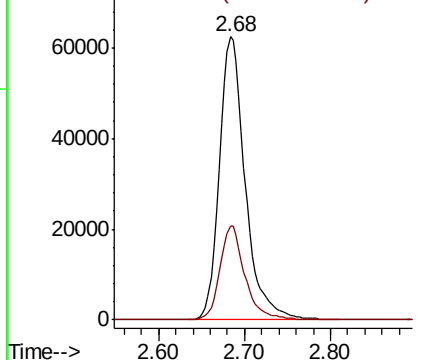
64 100

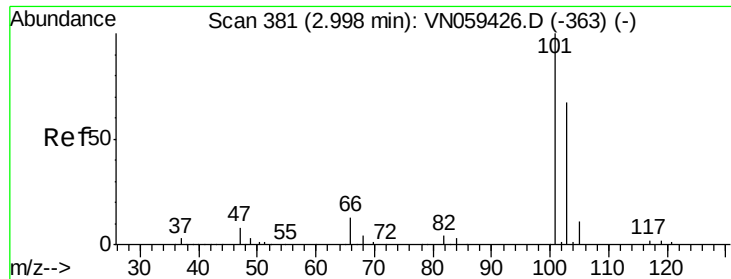
66 33.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

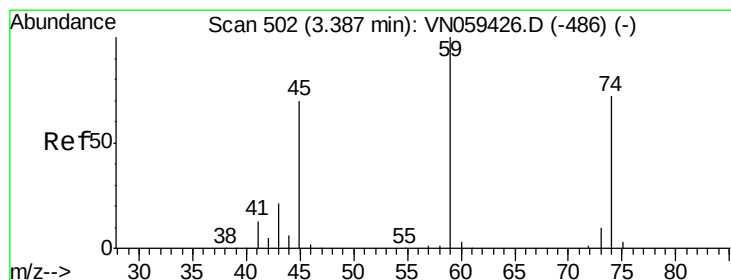
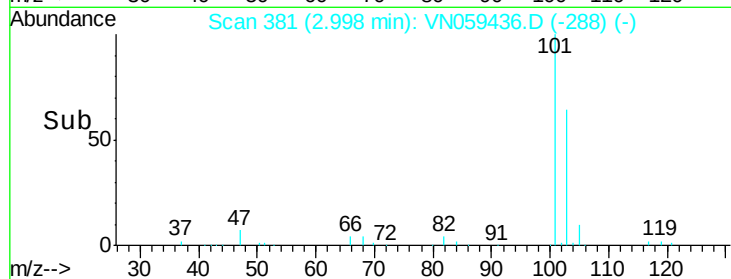
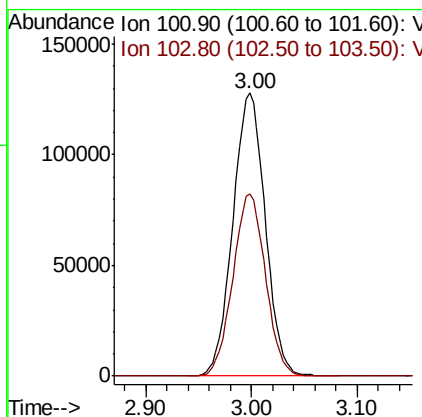
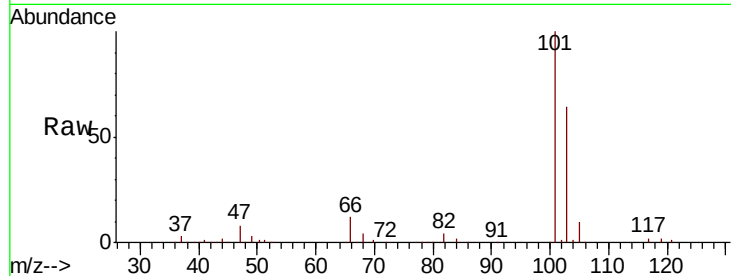
Trichlorofluoromethane
Concen: 43.312 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.6	80.4

Manual Integrations
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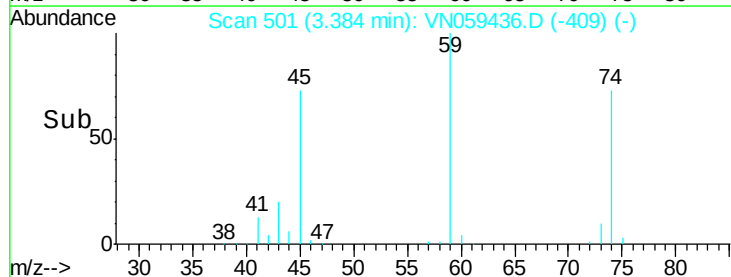
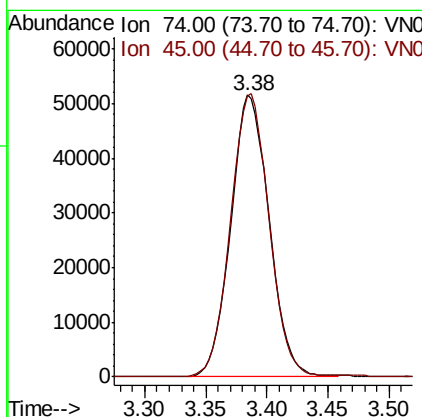
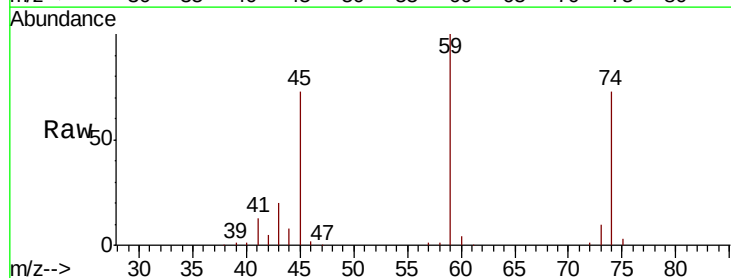
apatel
12/2/2019 10:38:48 AM

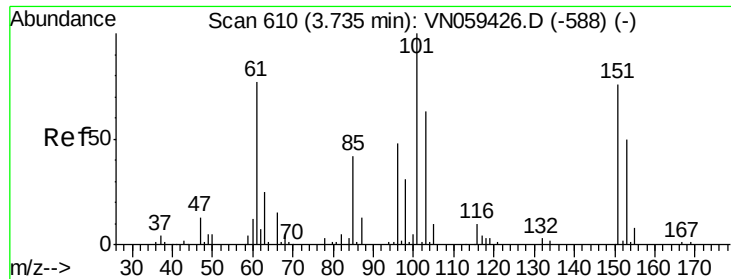


#8

Diethyl Ether
Concen: 44.012 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.985 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

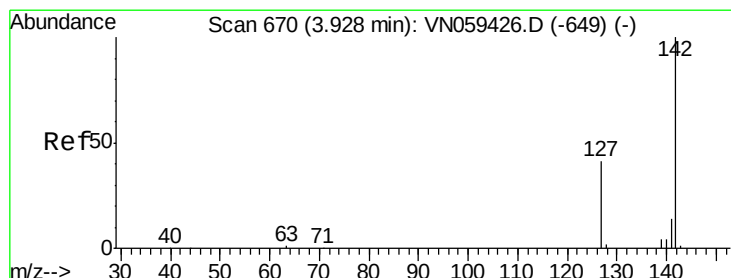
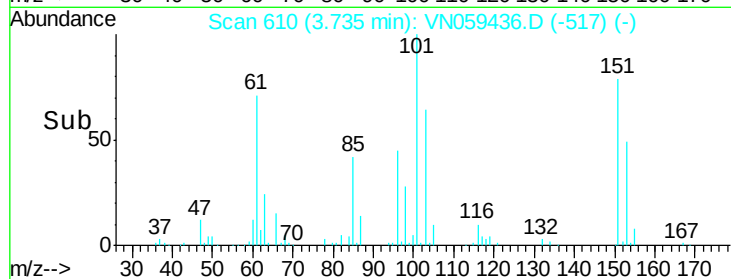
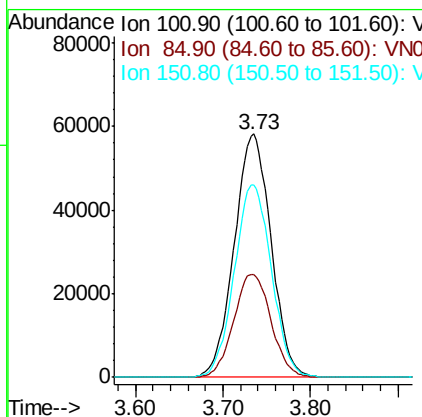
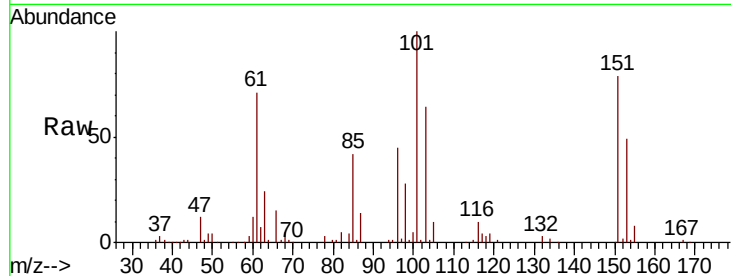
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	170378
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	79.5	62.6	93.8

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#10

Methyl Iodide

Concen: 44.755 ug/l

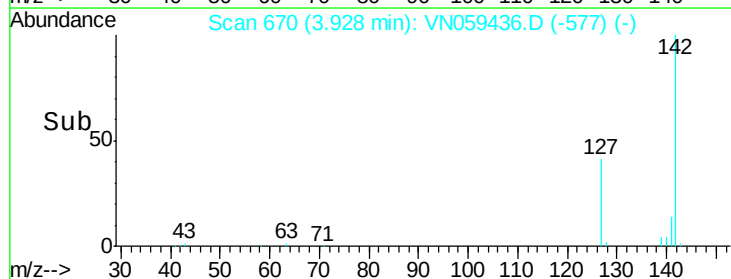
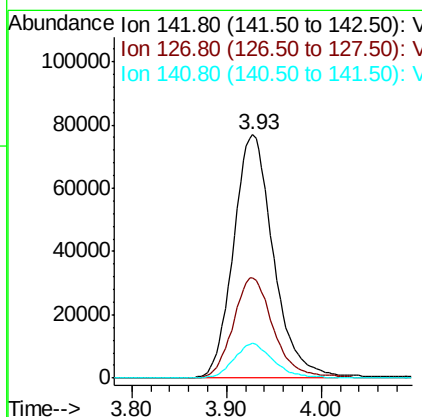
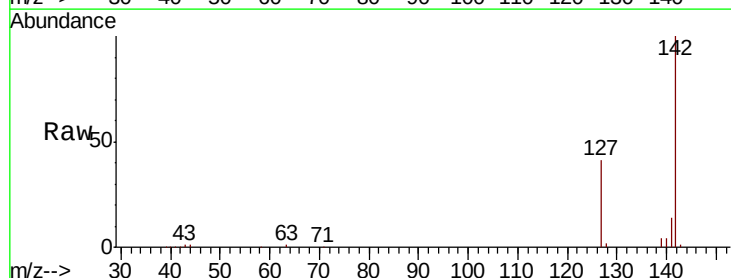
RT: 3.93 min Scan# 670

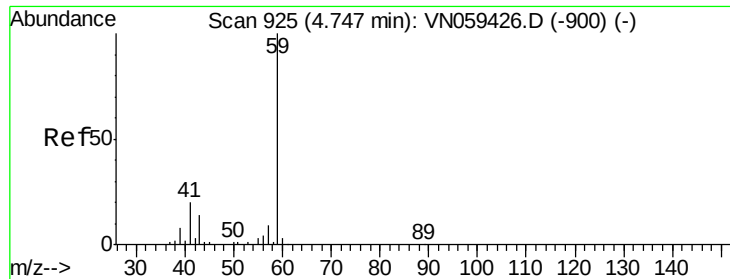
Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	142	Resp:	225648
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.6	48.8
141	14.1	11.1	16.7





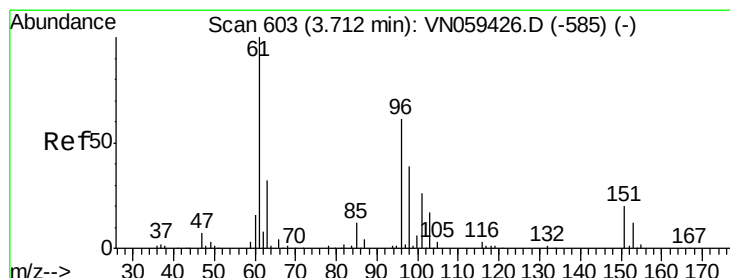
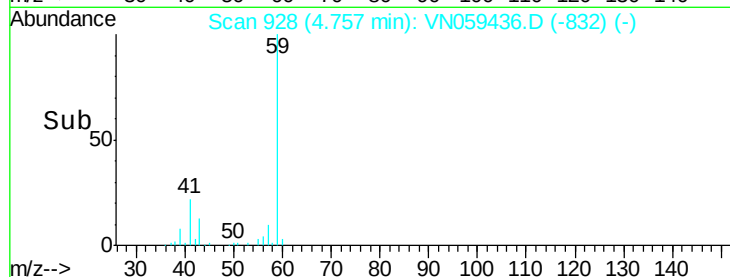
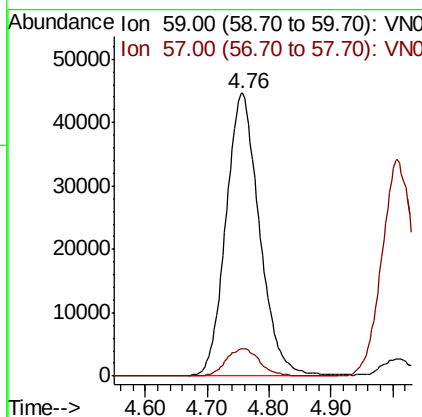
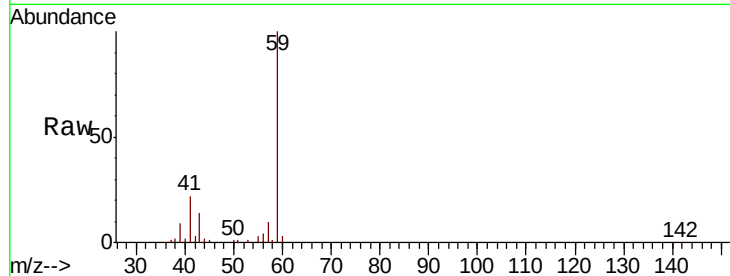
#11
Tert butyl alcohol
Concen: 216.949 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	3.8	5.8#

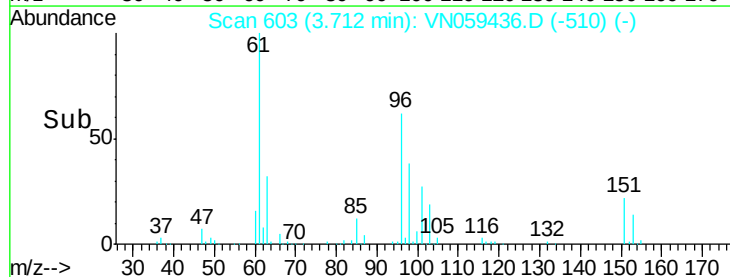
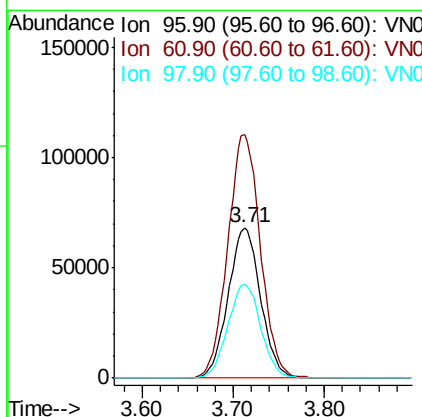
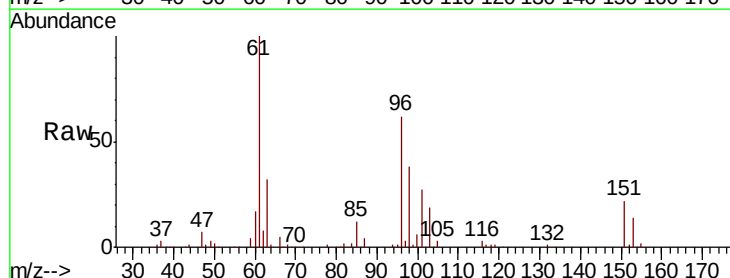
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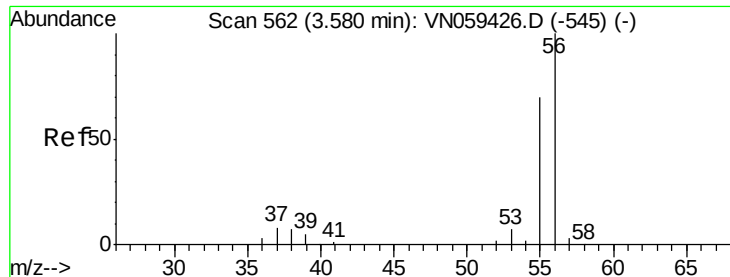
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#12
1,1-Dichloroethene
Concen: 44.424 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	130.5	195.7
98	62.3	51.3	76.9





#13

Acrolein

Concen: 168.485 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 127561

Ion Ratio Lower Upper

56 100

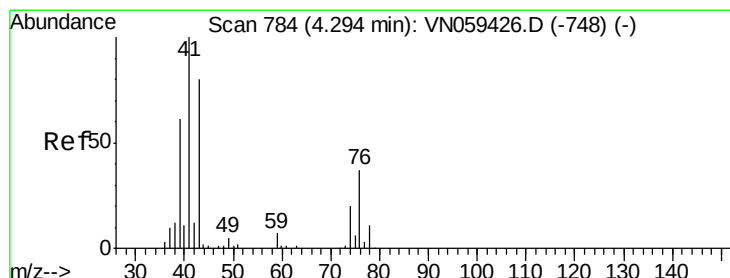
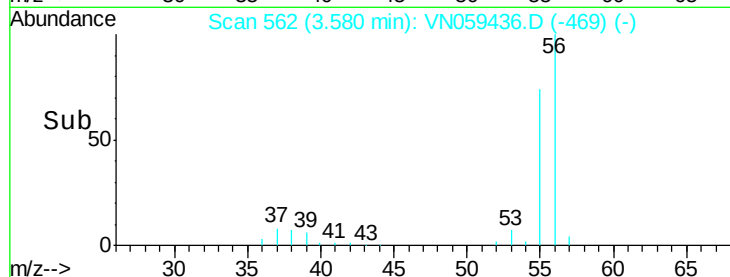
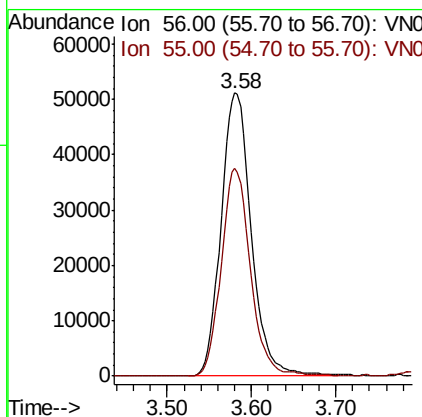
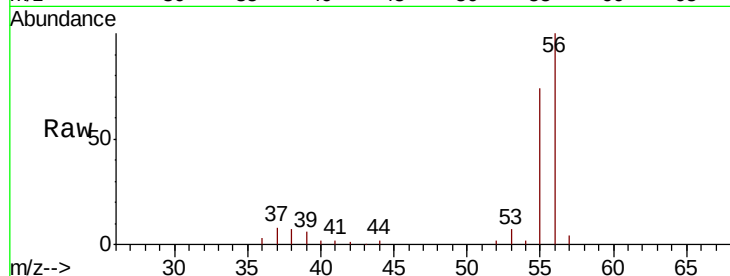
55 70.0 57.8 86.6

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#14

Allyl chloride

Concen: 43.706 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

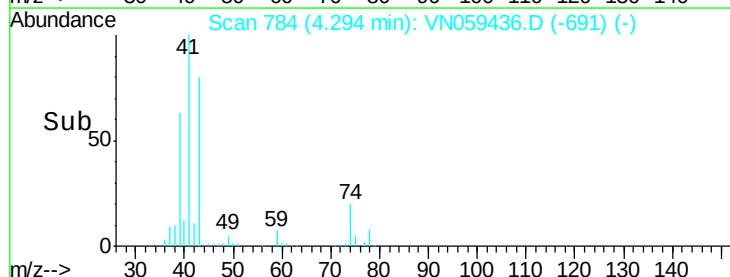
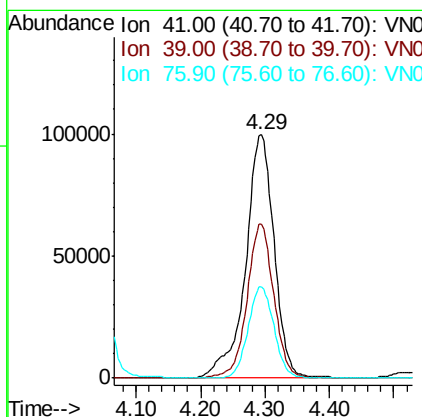
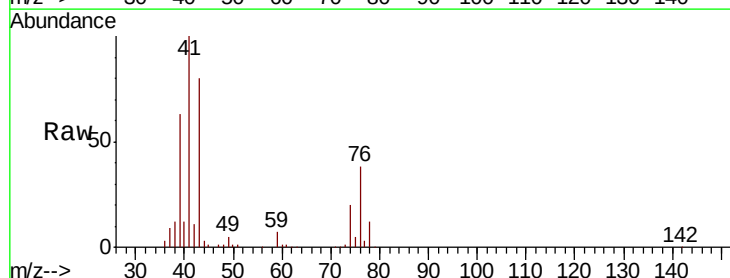
Tgt Ion: 41 Resp: 307499

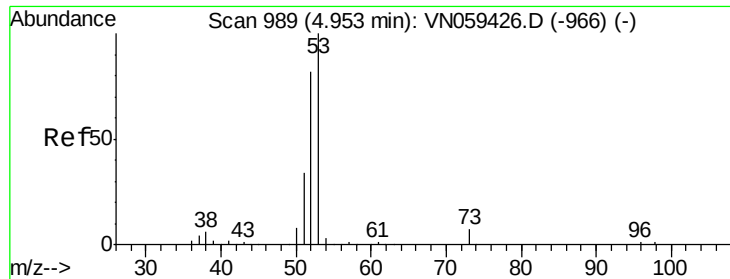
Ion Ratio Lower Upper

41 100

39 59.1 46.5 69.7

76 34.2 26.8 40.2





#15

Acrylonitrile

Concen: 216.845 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

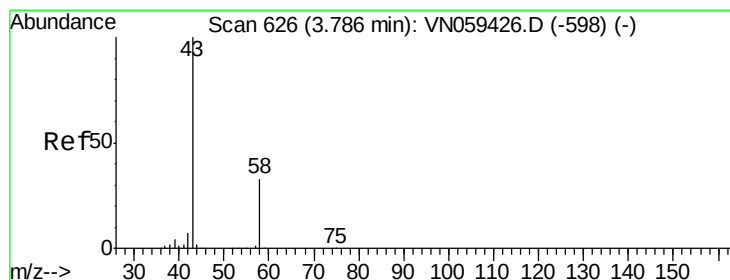
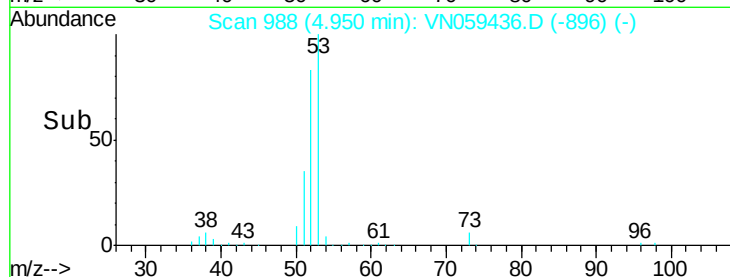
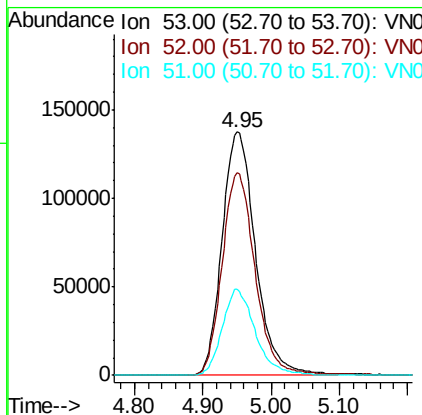
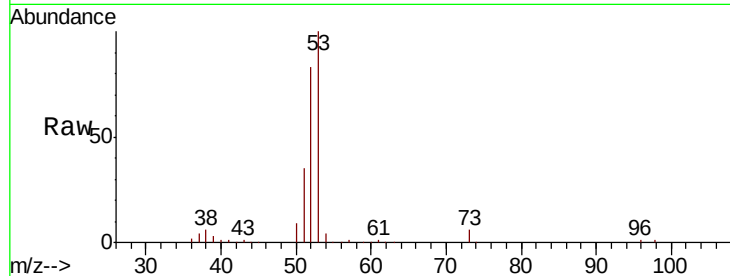
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	468642
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.1	97.7
51	35.0	27.8	41.8

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#16

Acetone

Concen: 264.245 ug/l

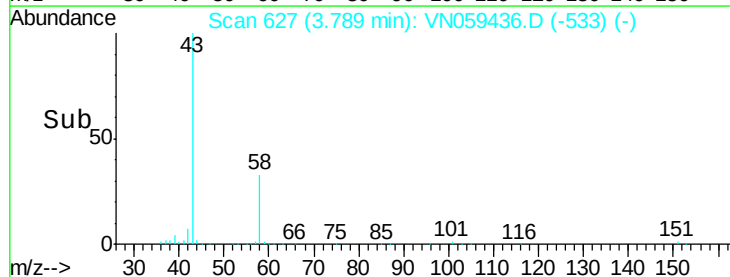
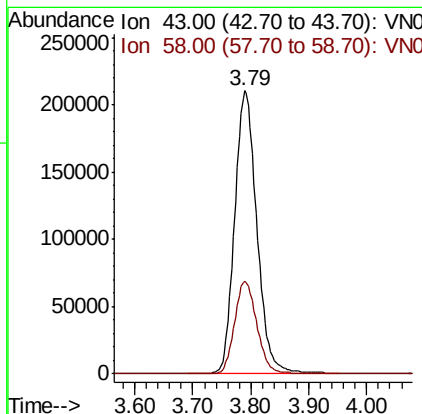
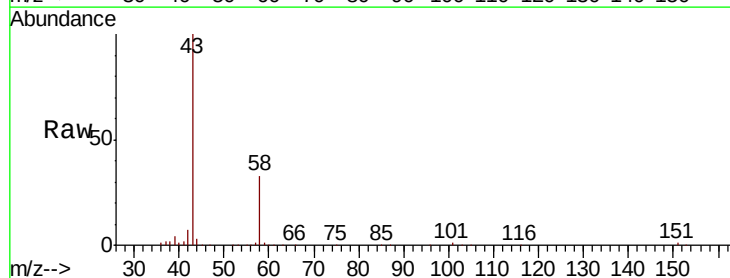
RT: 3.79 min Scan# 627

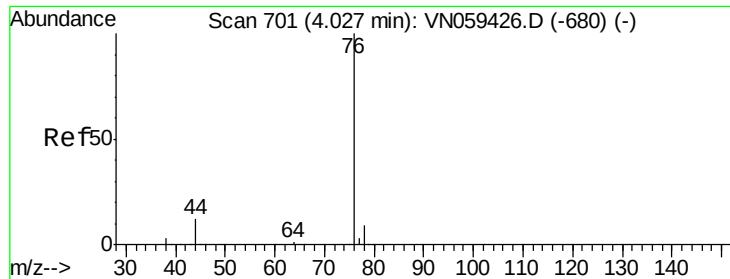
Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	43	Resp:	563603
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.6	39.8





#17

Carbon Disulfide

Concen: 41.600 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 541544

Ion Ratio Lower Upper

76 100

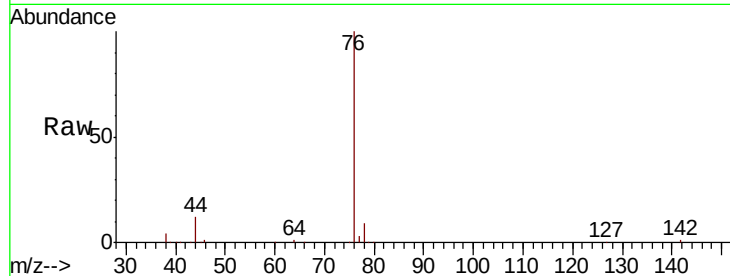
78 9.0 7.4 11.0

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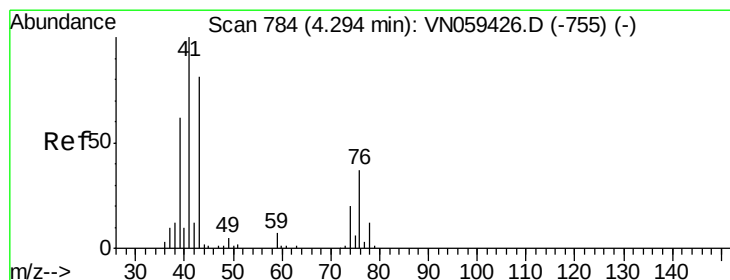
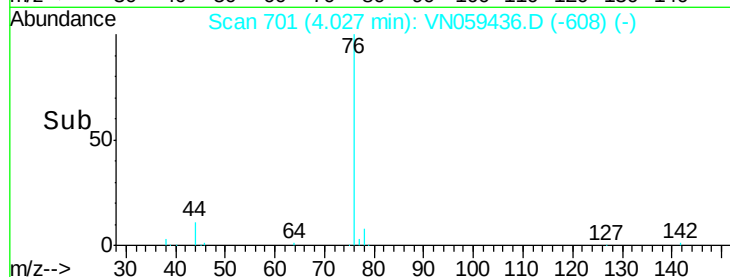
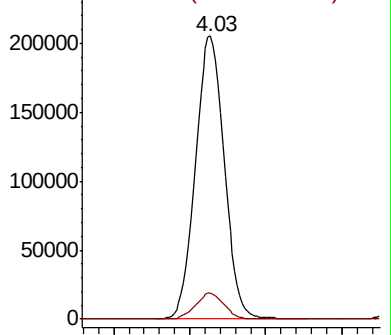
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 39.948 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059436.D

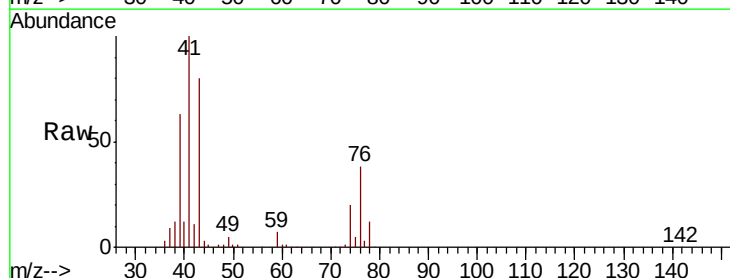
Acq: 29 Nov 2019 10:12

Tgt Ion: 43 Resp: 232031

Ion Ratio Lower Upper

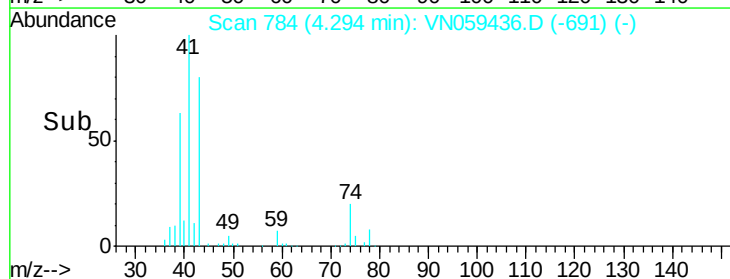
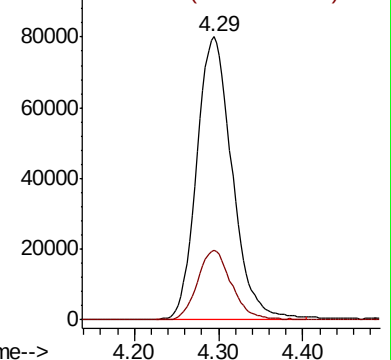
43 100

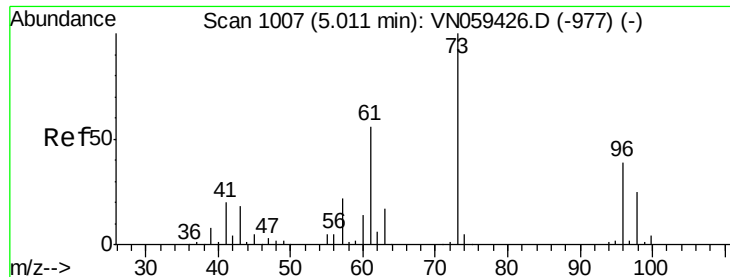
74 23.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





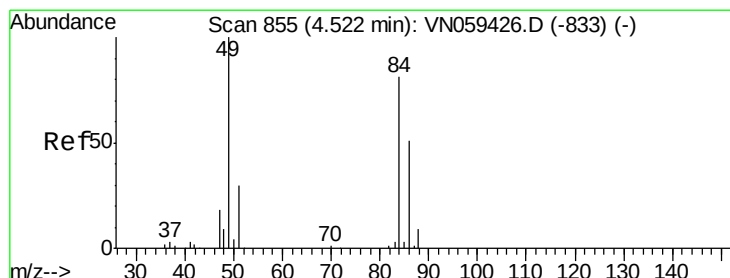
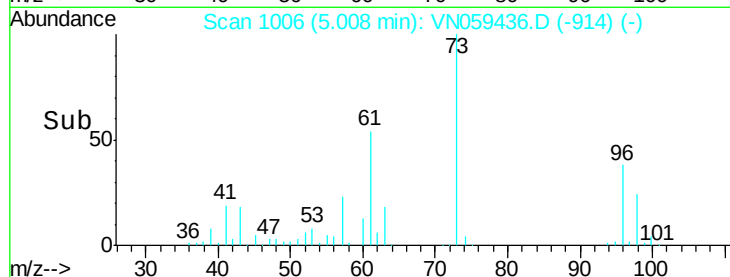
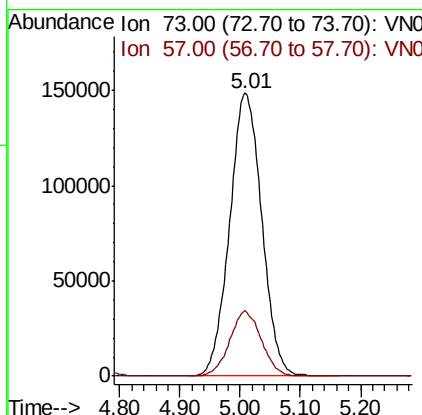
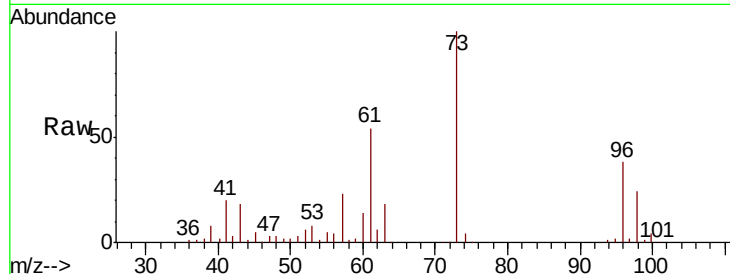
#19
Methyl tert-butyl Ether
Concen: 45.236 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.7	26.5

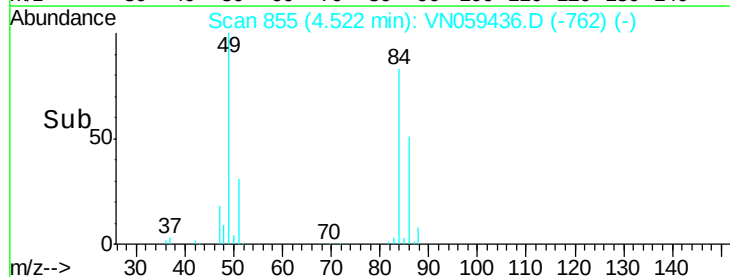
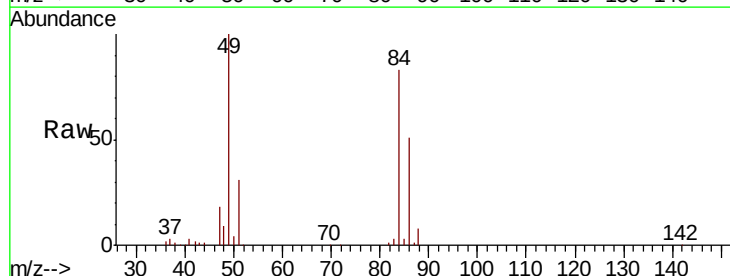
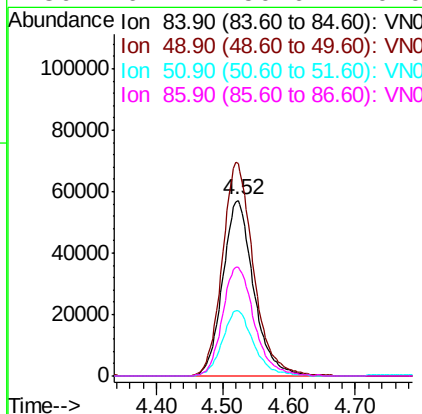
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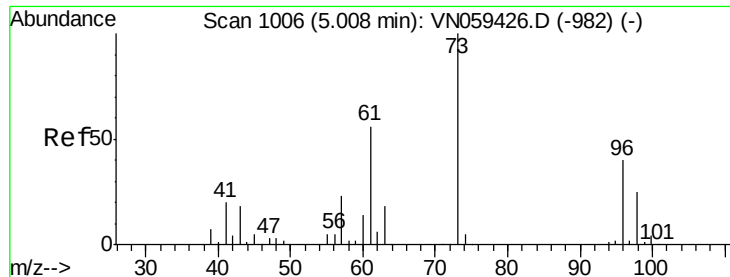
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#20
Methylene Chloride
Concen: 42.824 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	98.6	148.0
51	37.0	29.4	44.0
86	62.2	50.6	76.0





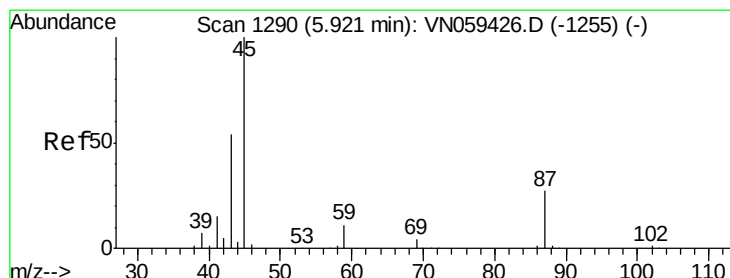
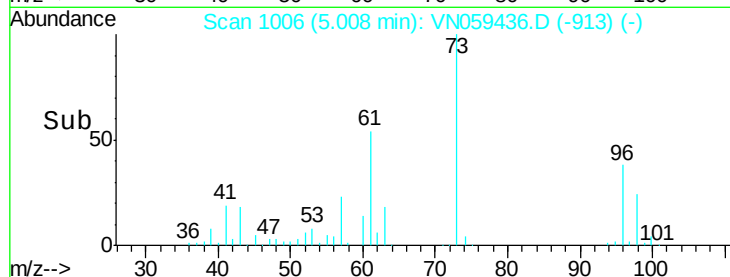
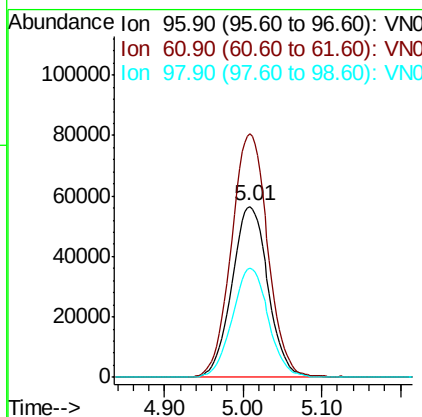
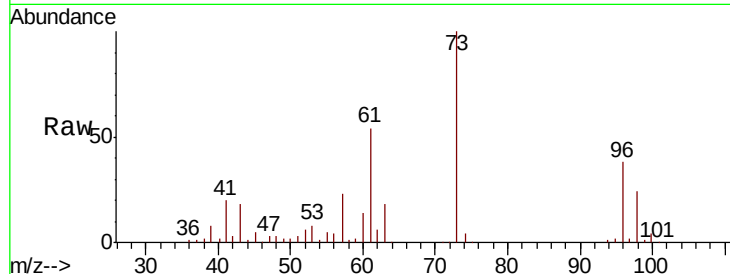
#21
trans-1,2-Dichloroethene
Concen: 43.908 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	114.0	171.0
98	63.7	50.5	75.7

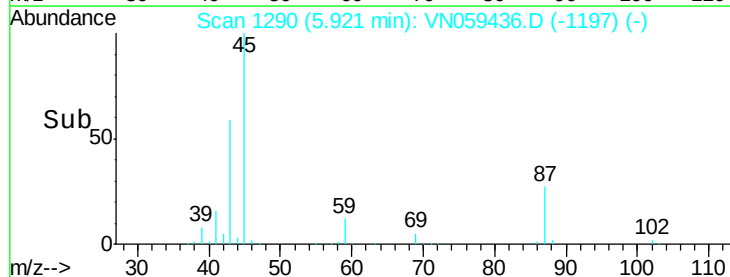
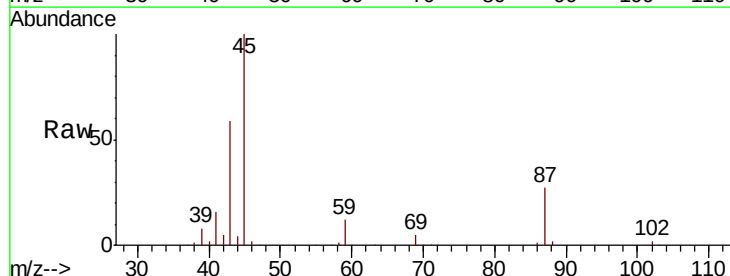
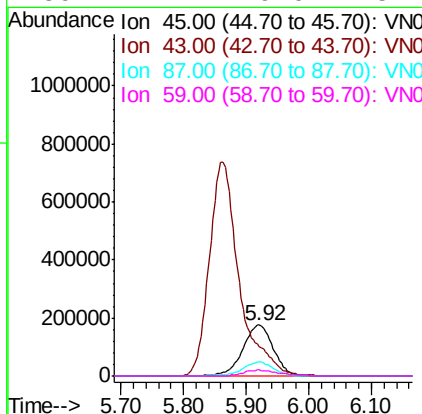
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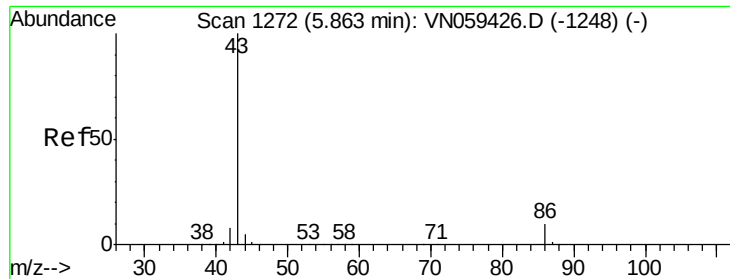
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#22
Diisopropyl ether
Concen: 45.424 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.3	69.5
87	27.0	21.8	32.6
59	11.4	9.0	13.4





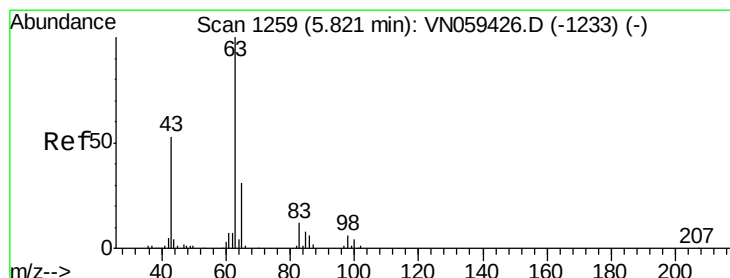
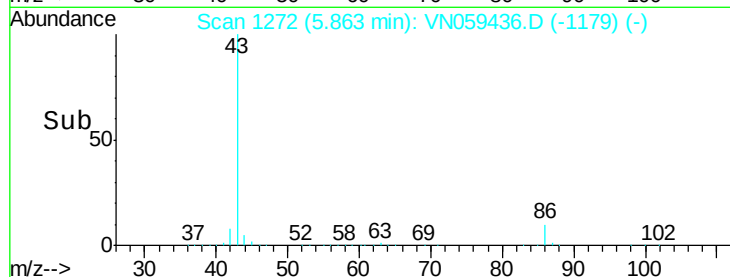
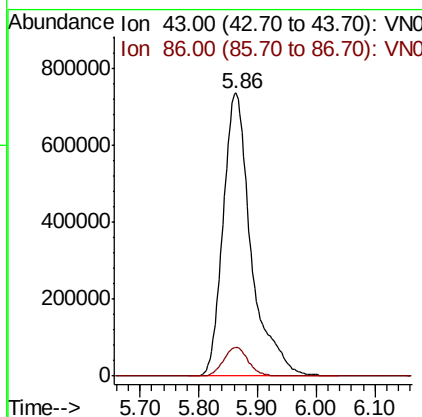
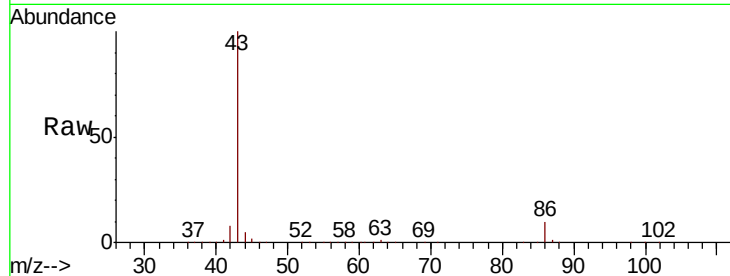
#23
 Vinyl Acetate
 Concen: 231.705 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2443995
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.4

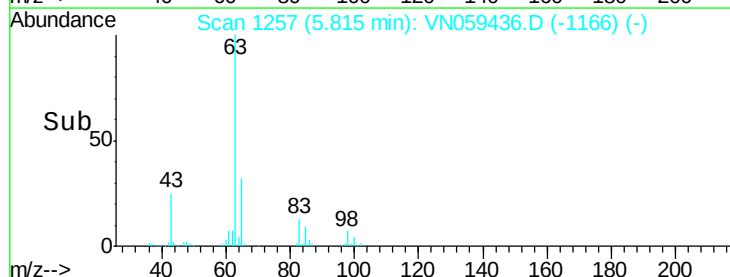
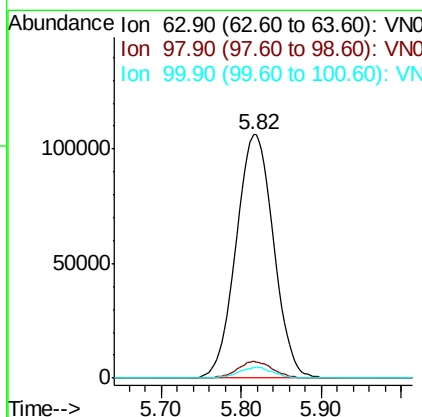
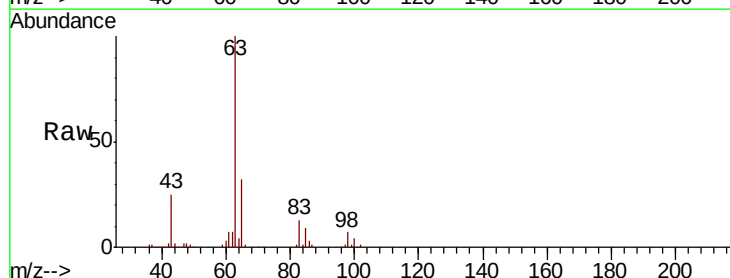
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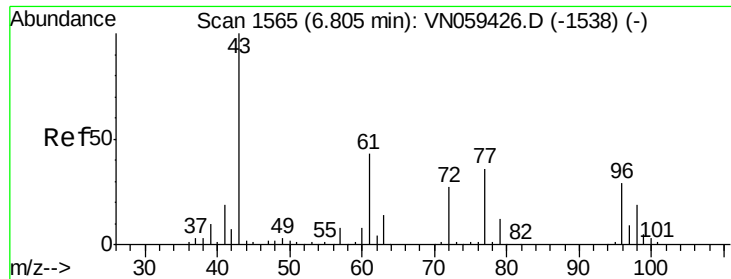
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#24
 1,1-Dichloroethane
 Concen: 44.897 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion: 63 Resp: 337740
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.2 9.6
 100 4.2 2.1 6.3





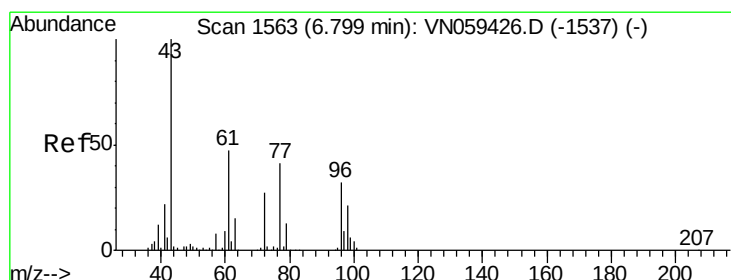
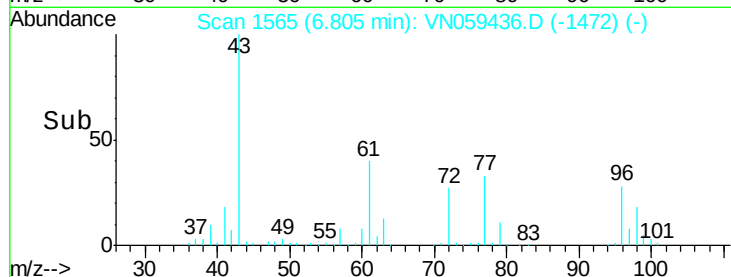
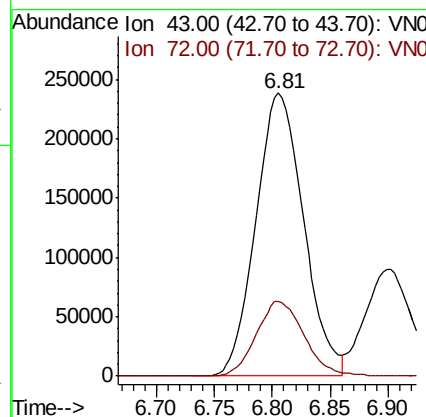
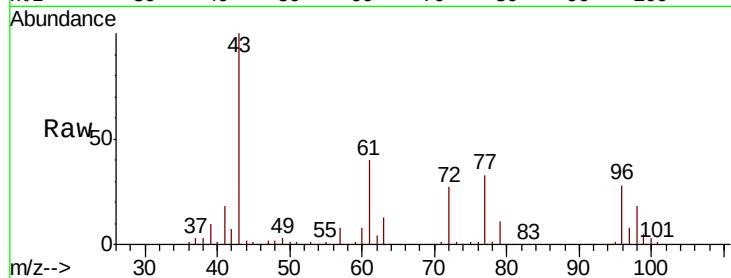
#25
2-Butanone
Concen: 232.477 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 682131
Ion Ratio Lower Upper
43 100
72 26.6 21.4 32.2

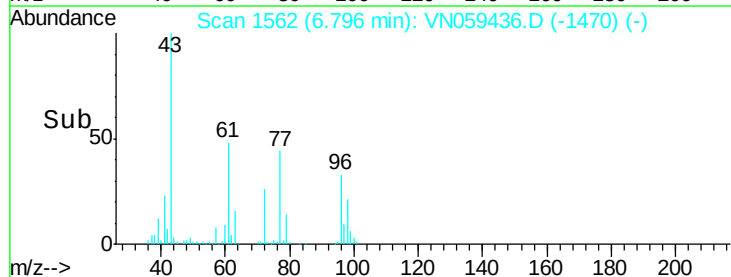
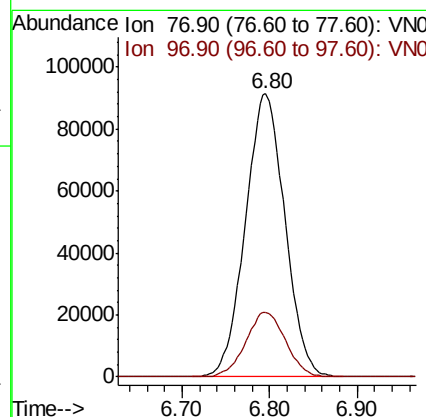
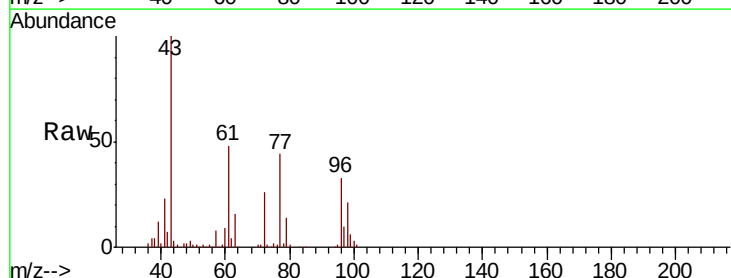
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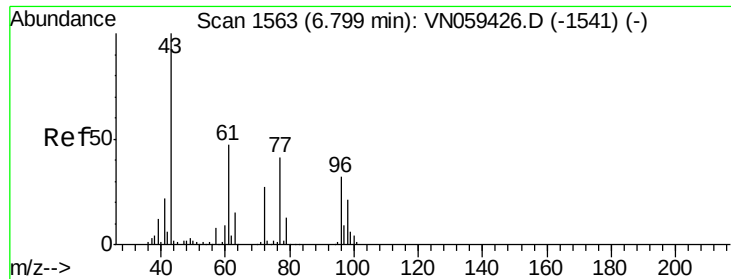
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#26
2,2-Dichloropropane
Concen: 44.714 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion: 77 Resp: 286248
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 44.516 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

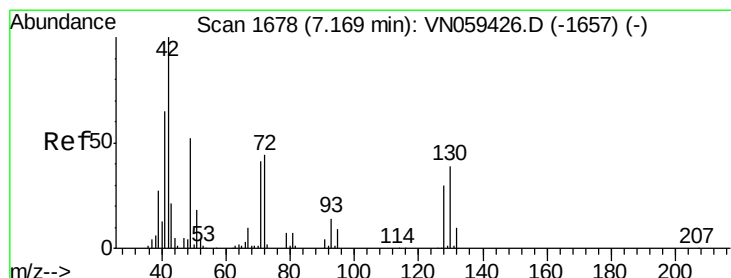
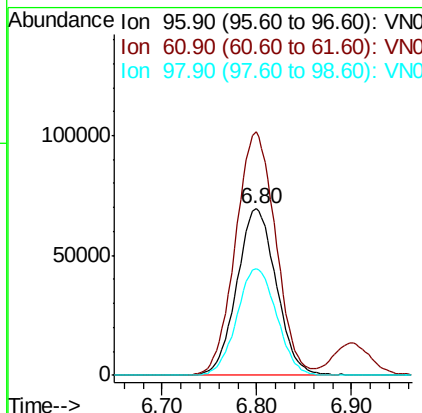
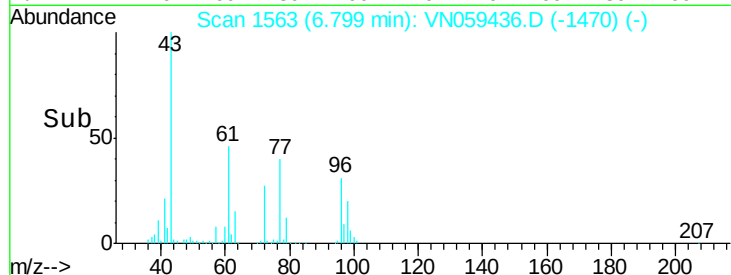
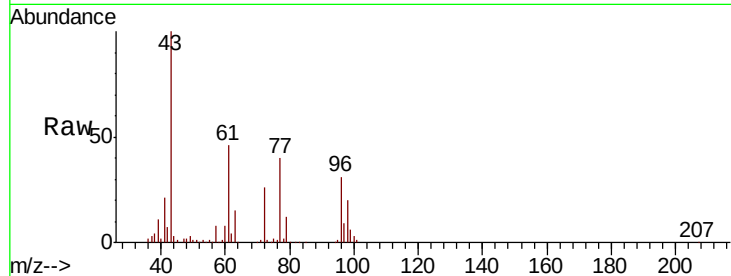
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	201224
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	297.6
98	65.0	0.0	130.8

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#28

Bromochloromethane

Concen: 52.905 ug/l

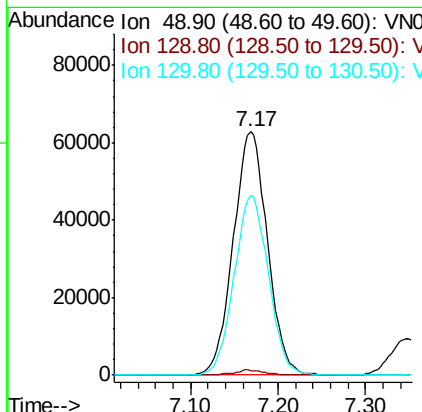
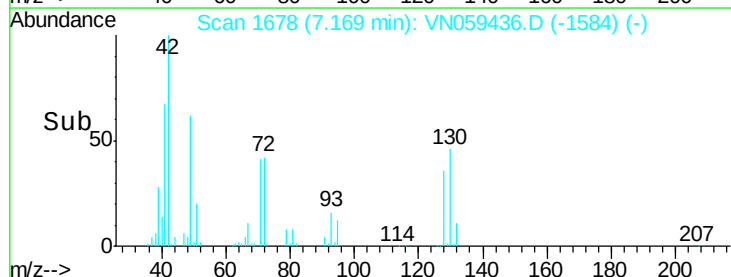
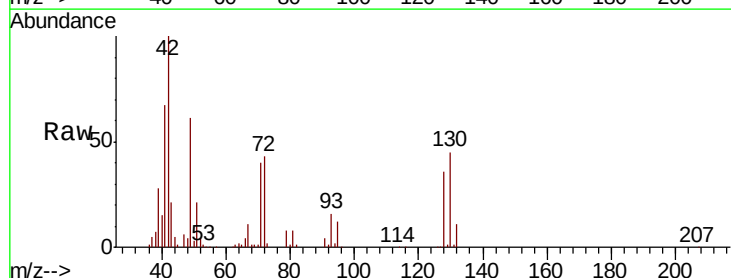
RT: 7.17 min Scan# 1678

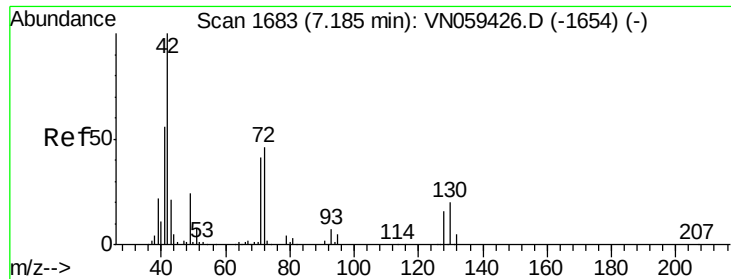
Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	49	Resp:	170528
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	73.8	60.5	90.7





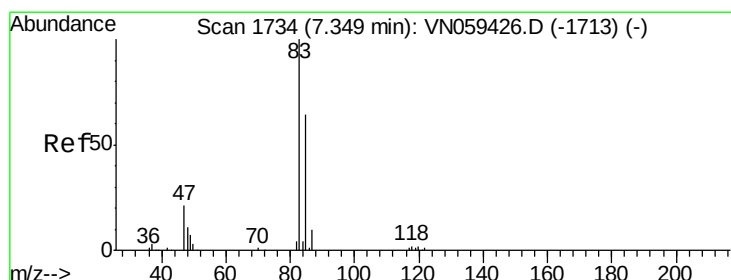
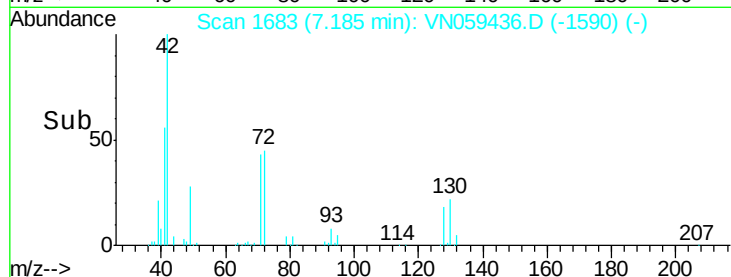
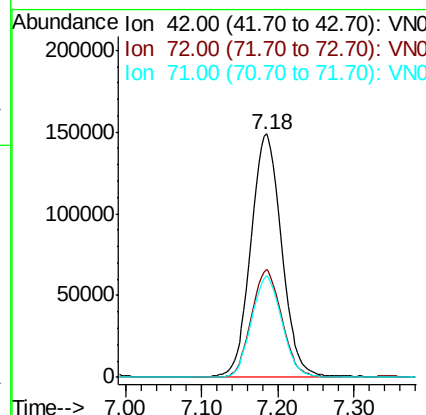
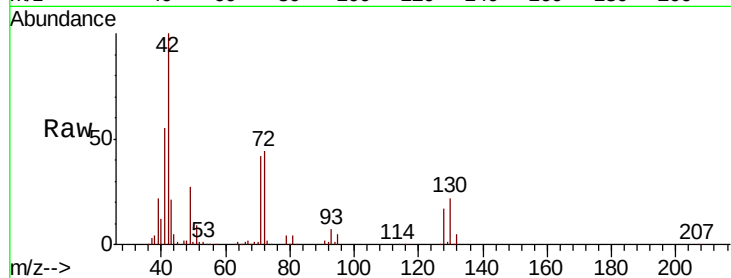
#29
Tetrahydrofuran
Concen: 215.555 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	51.8
71	40.8	33.0	49.6

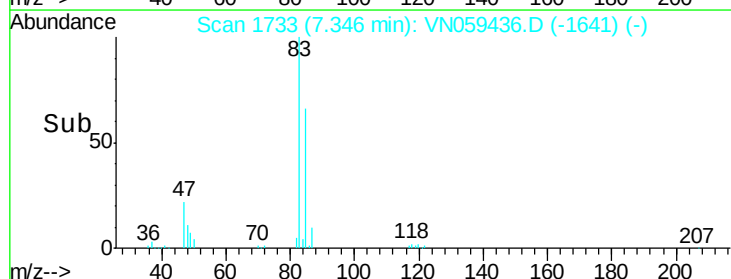
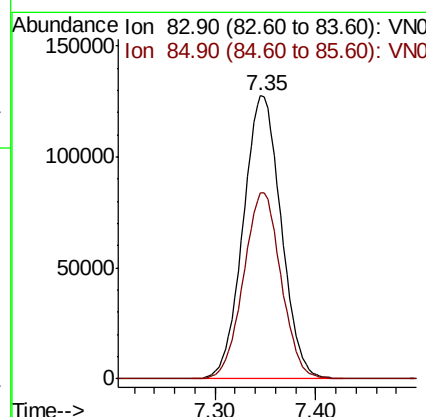
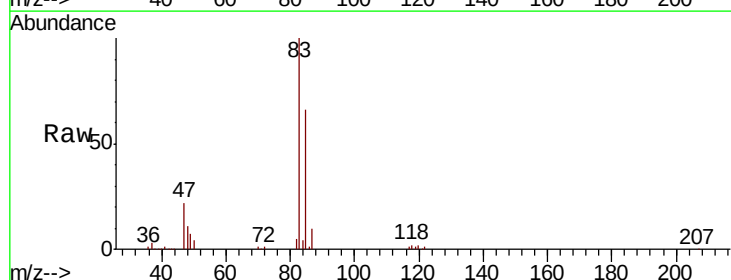
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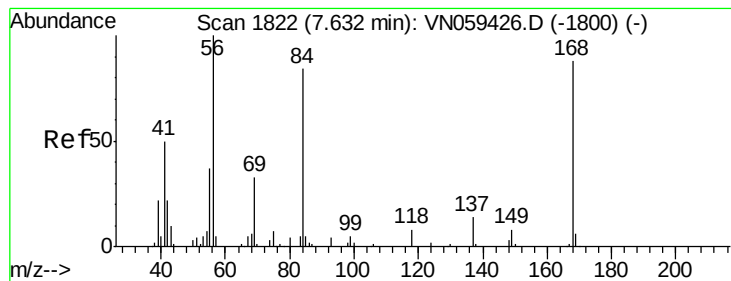
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#30
Chloroform
Concen: 43.929 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.6	77.4





#31

Cyclohexane

Concen: 42.637 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

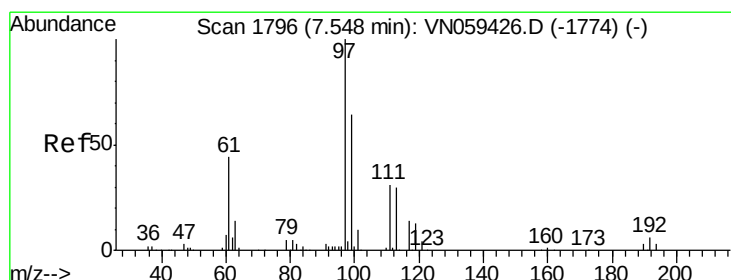
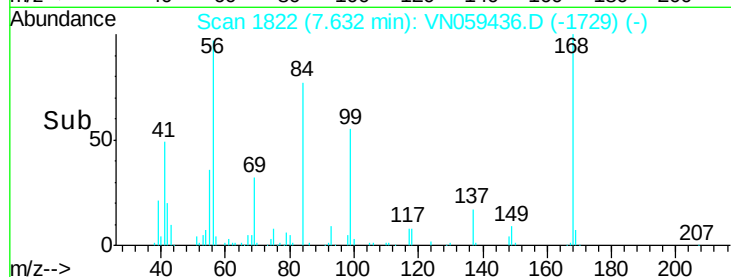
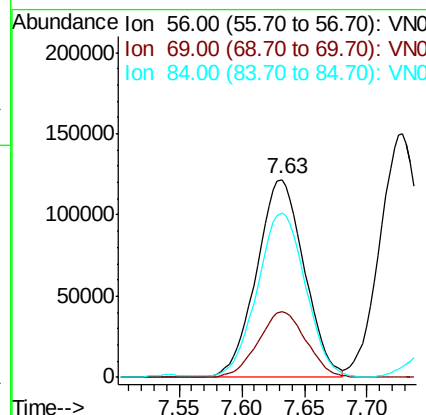
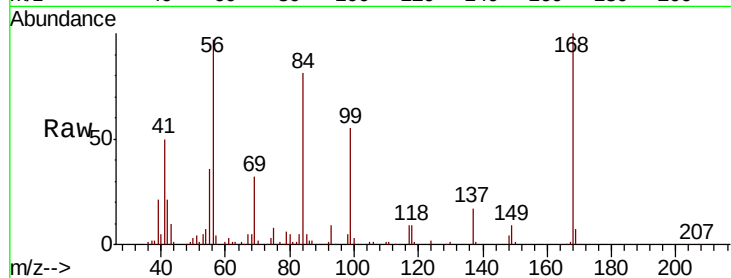
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	321534
Ion Ratio	Lower	Upper	
56	100		
69	33.2	26.4	39.6
84	82.1	67.0	100.6

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#32

1,1,1-Trichloroethane

Concen: 44.444 ug/l

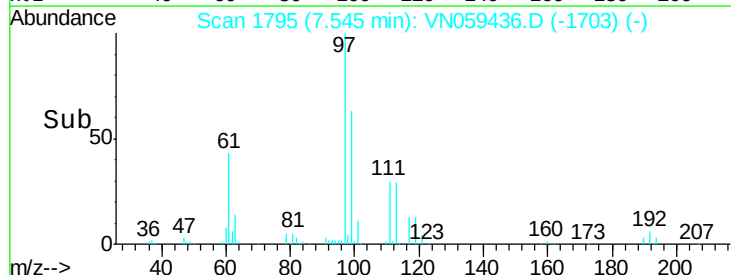
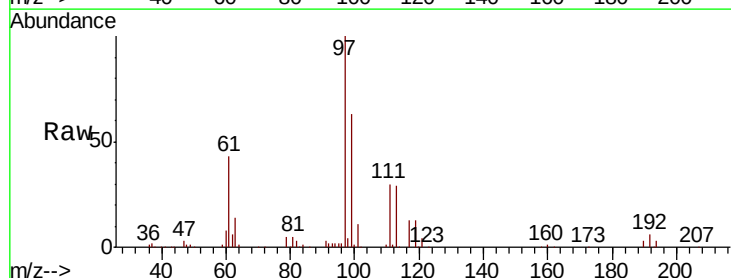
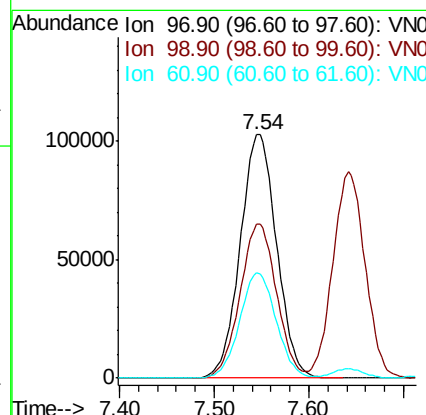
RT: 7.54 min Scan# 1795

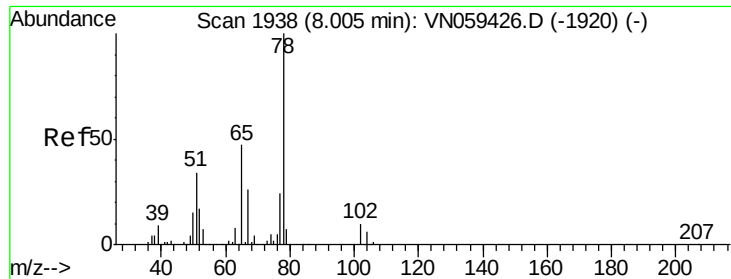
Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	97	Resp:	275124
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.9	76.3
61	43.3	34.3	51.5





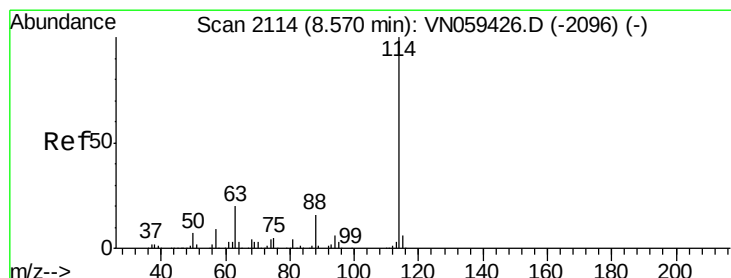
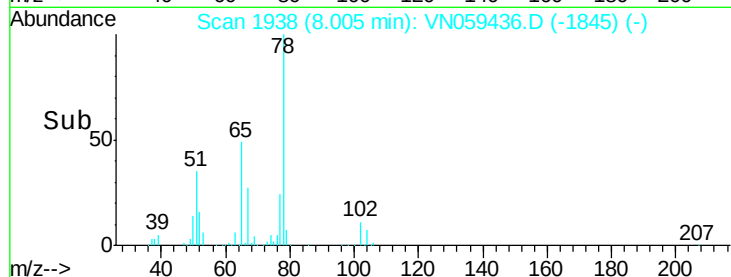
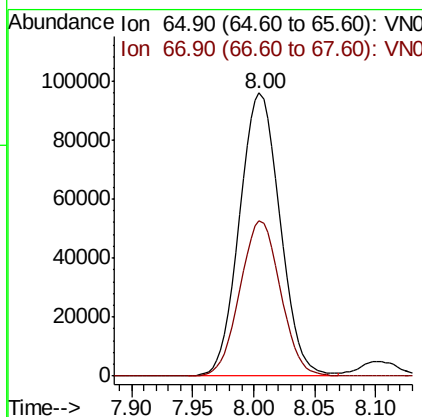
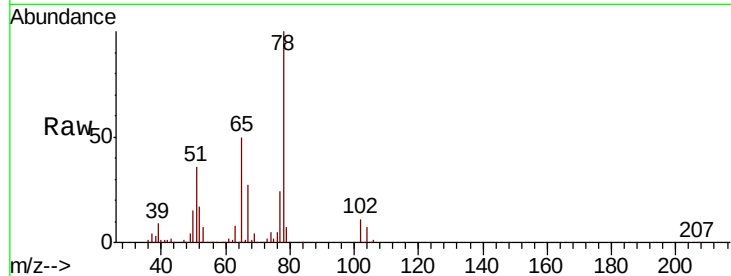
#33
 1,2-Dichloroethane-d4
 Concen: 49.230 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220409		
67	55.1	0.0	111.2	

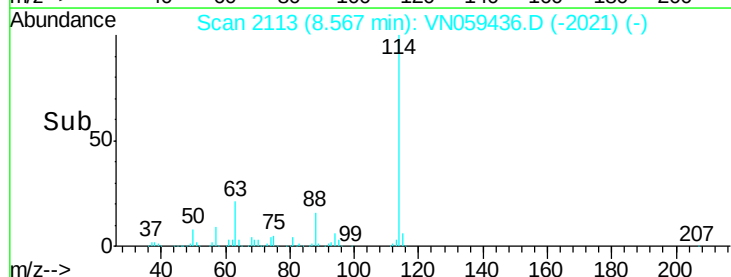
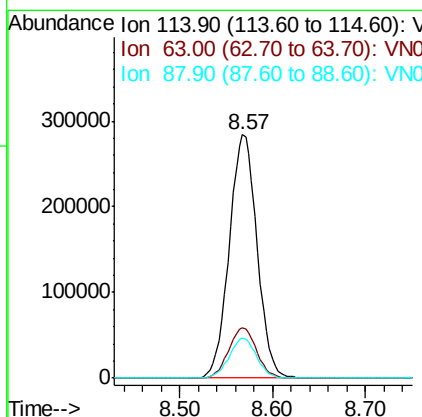
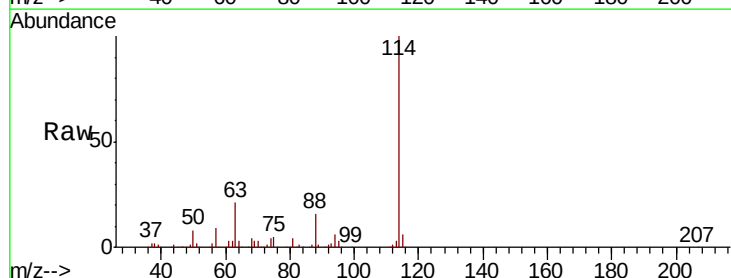
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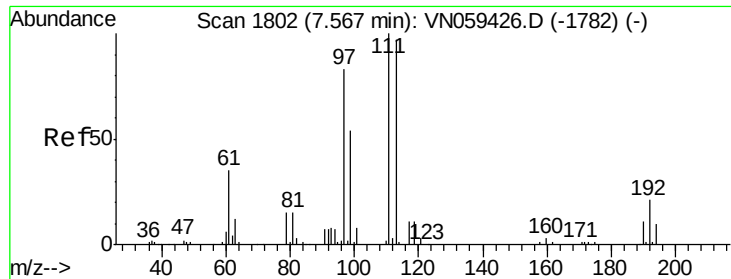
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	590209		
63	20.7	0.0	40.4	
88	16.5	0.0	32.2	





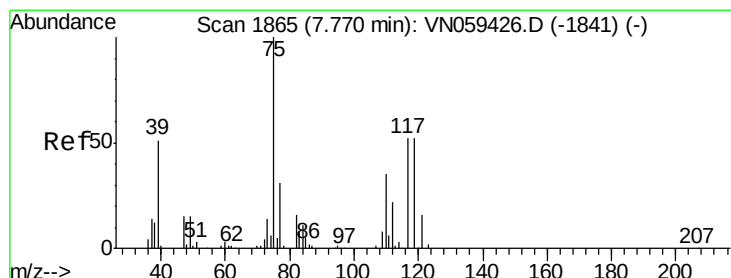
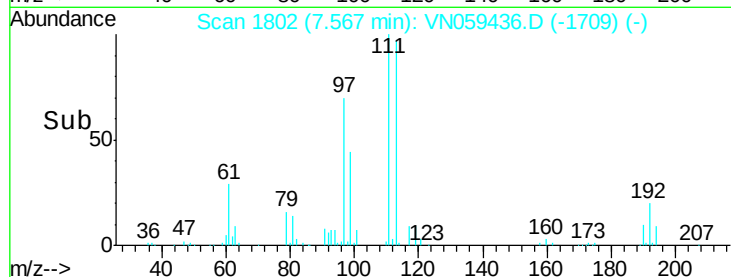
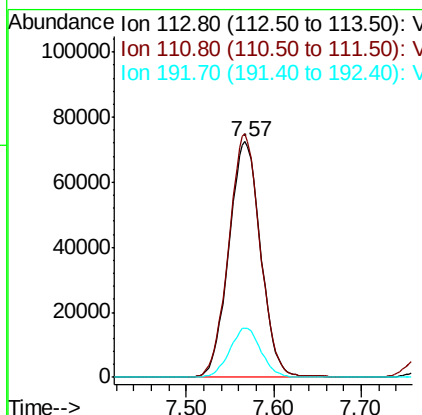
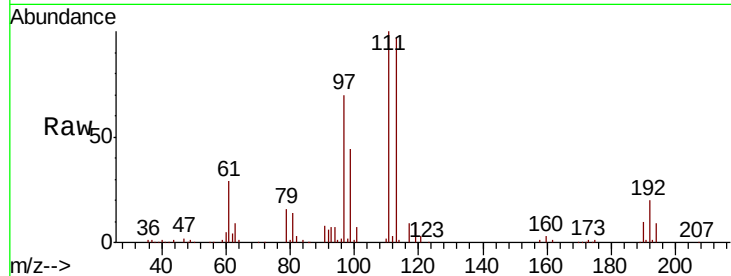
#35
Dibromofluoromethane
Concen: 50.998 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183341		
111	102.2	81.9	122.9	
192	20.5	16.6	24.8	

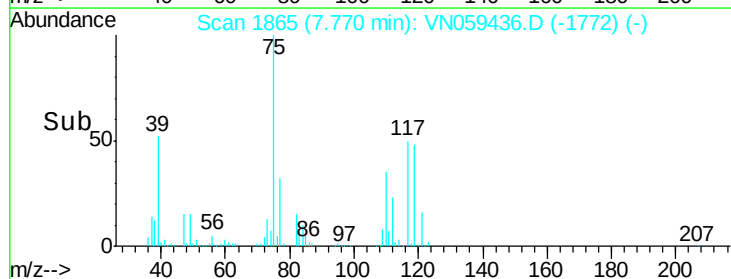
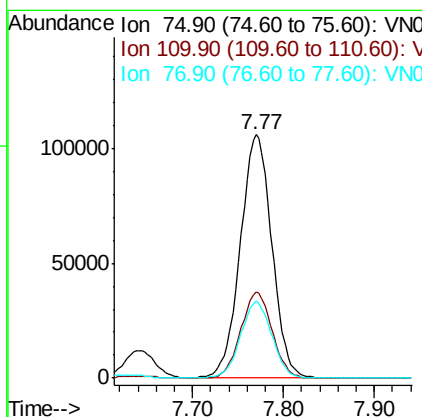
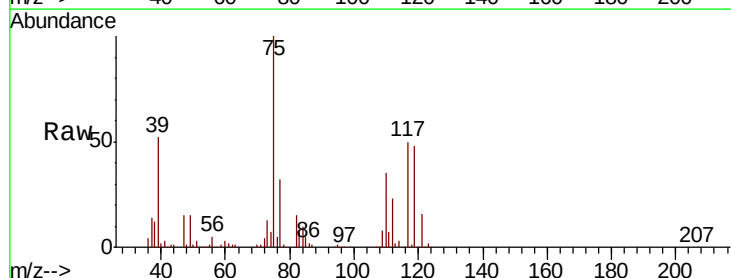
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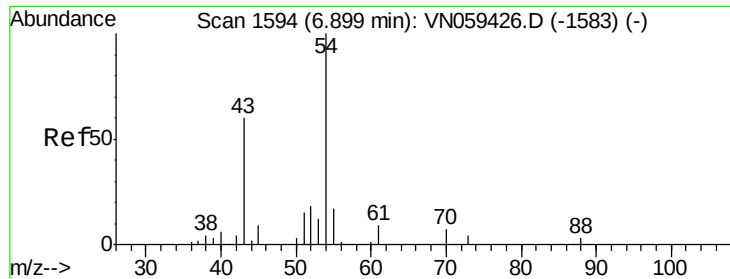
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#36
1,1-Dichloropropene
Concen: 45.053 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	255709		
110	35.0	17.3	52.0	
77	31.4	24.9	37.3	





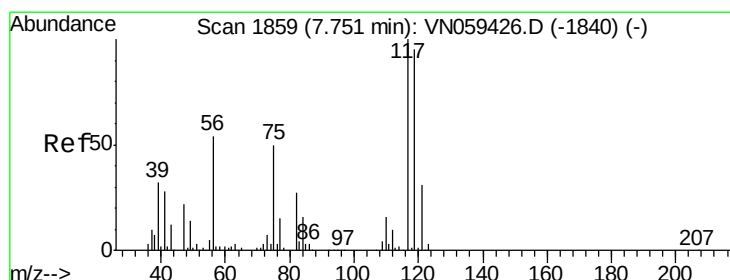
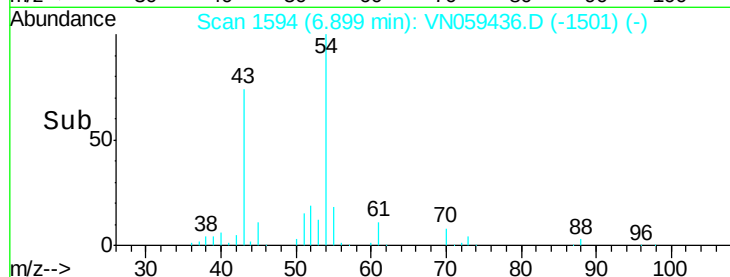
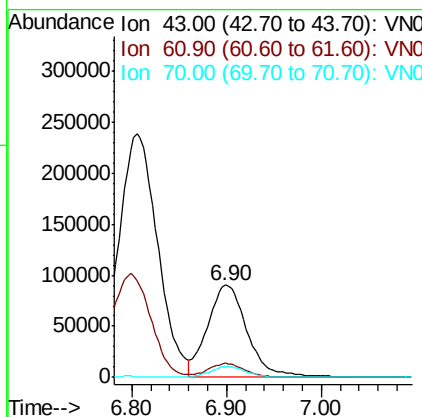
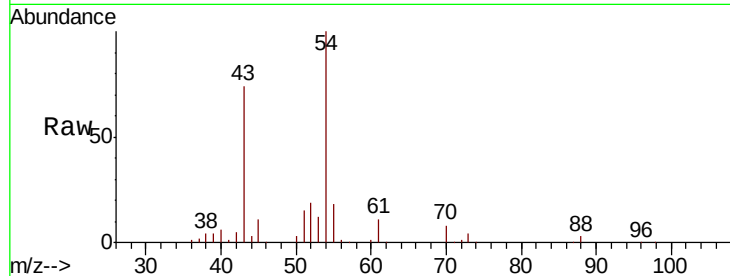
#37
Ethyl Acetate
Concen: 42.965 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.2	18.2
70	10.7	8.8	13.2

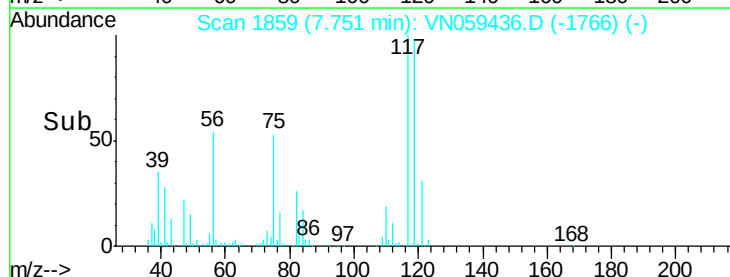
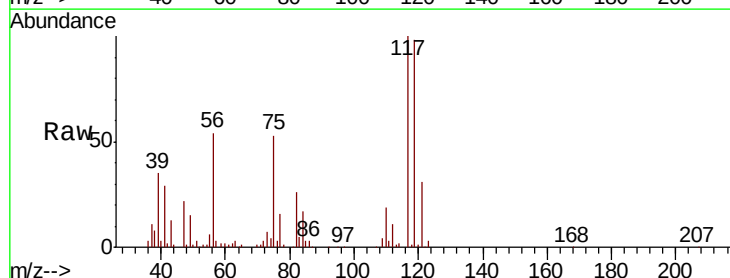
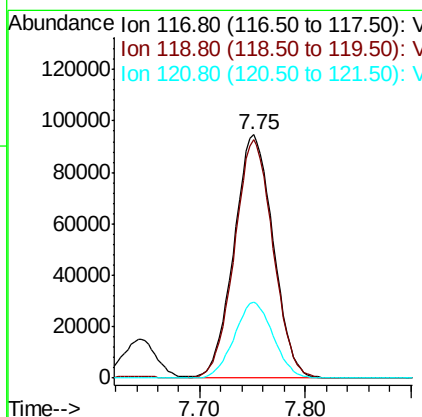
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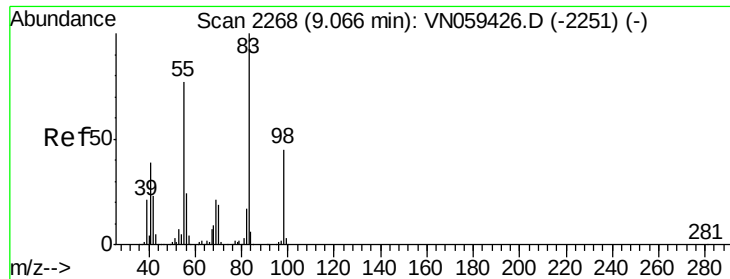
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#38
Carbon Tetrachloride
Concen: 45.725 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.9	113.9
121	31.3	24.6	36.8





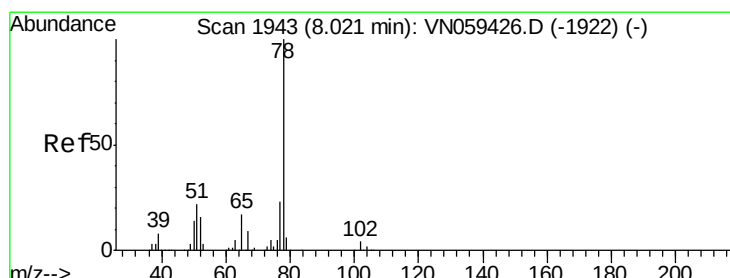
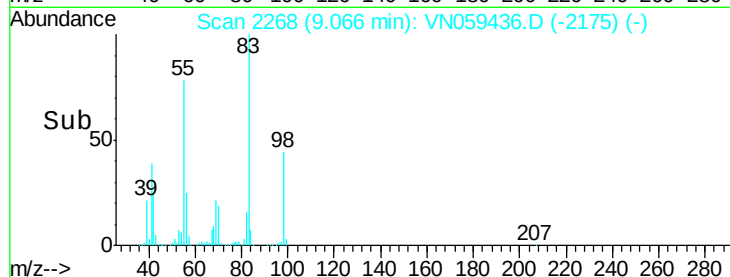
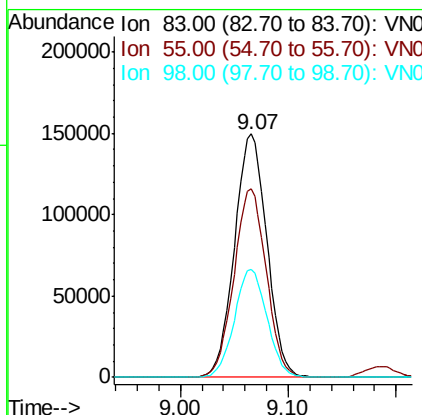
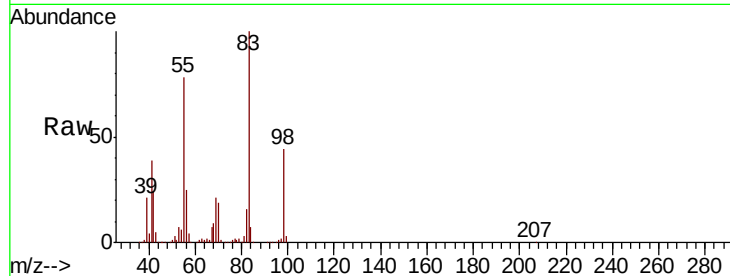
#39
Methylvlcyclohexane
Concen: 46.078 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.6	92.4
98	44.5	35.7	53.5

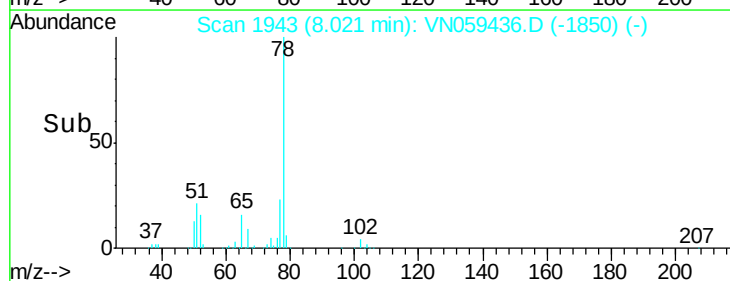
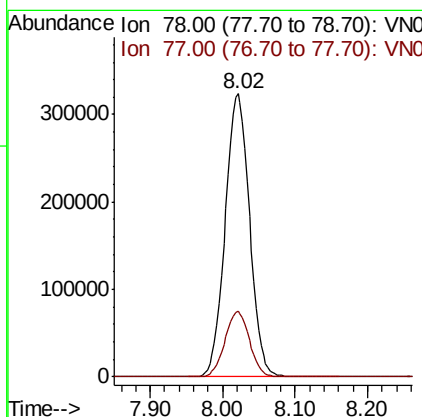
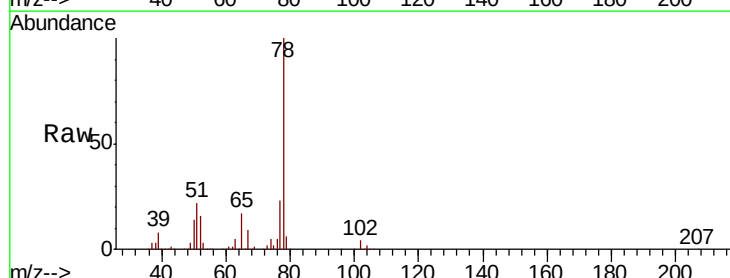
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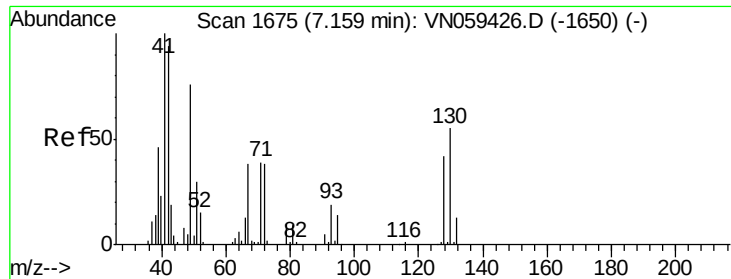
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#40
Benzene
Concen: 44.907 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





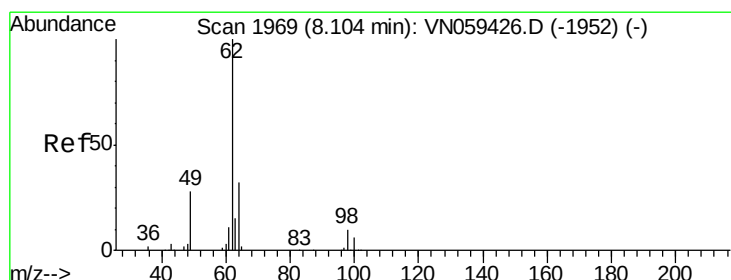
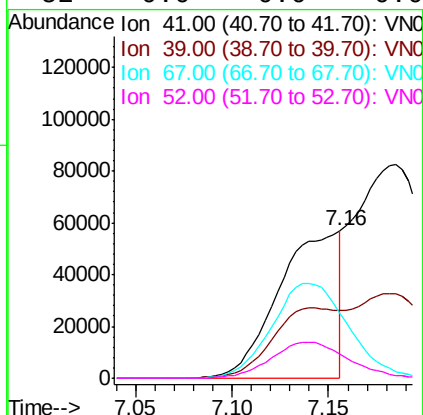
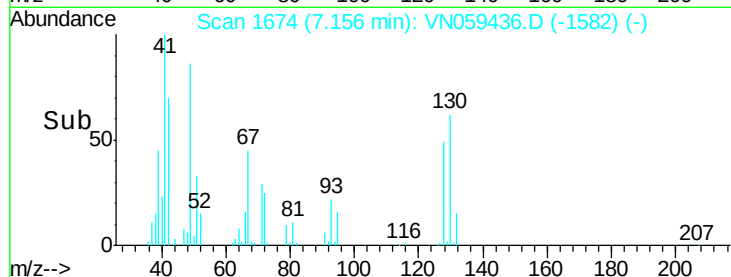
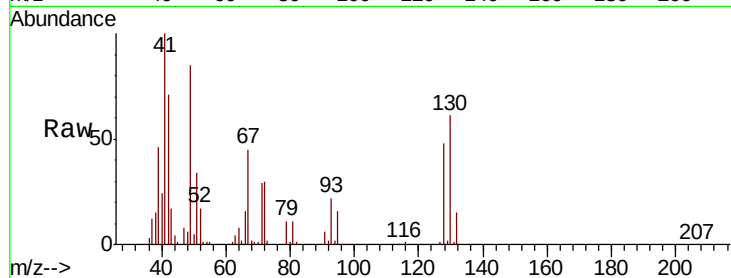
#41
Methacrylonitrile
Concen: 44.731 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

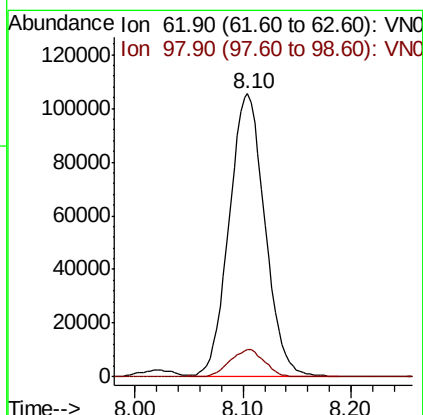
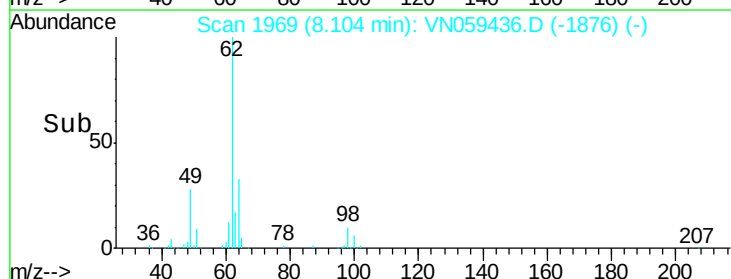
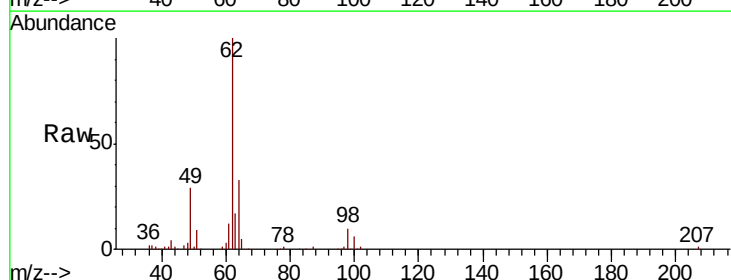
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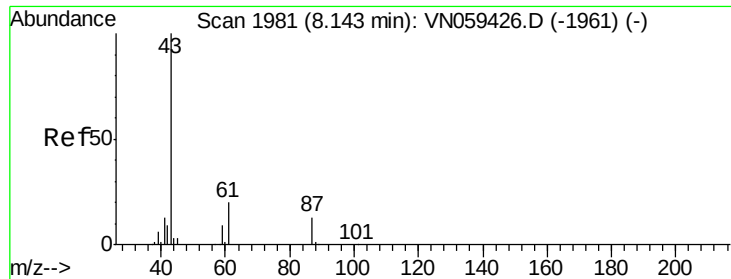
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#42
1,2-Dichloroethane
Concen: 45.353 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 44.968 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

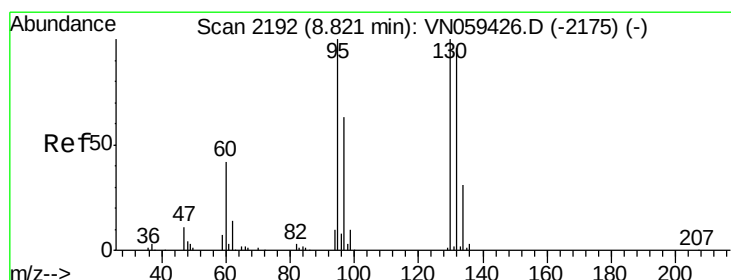
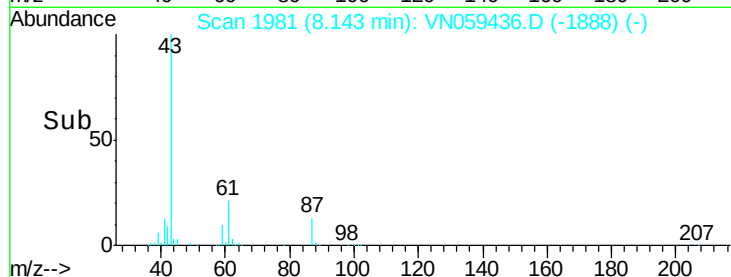
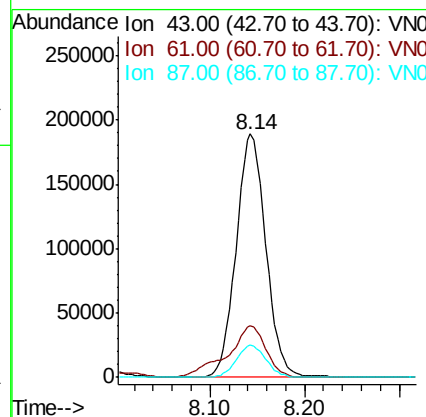
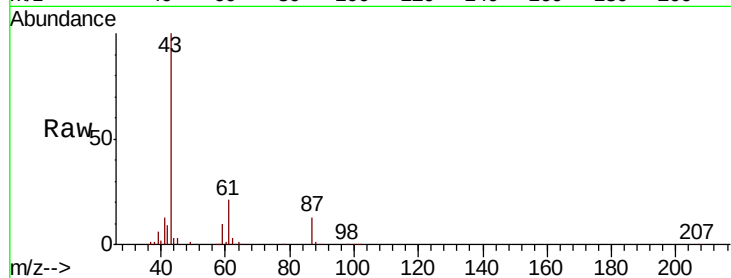
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	410221
Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.2	33.2
87	13.4	10.7	16.1

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#44

Trichloroethene

Concen: 45.510 ug/l

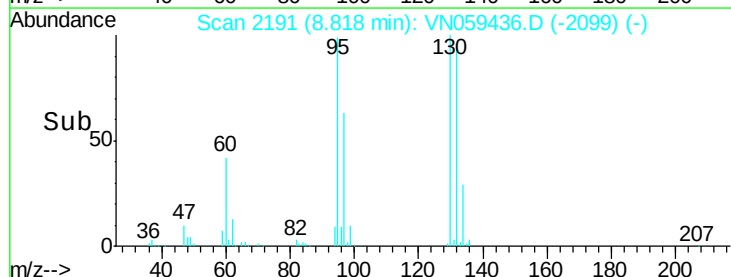
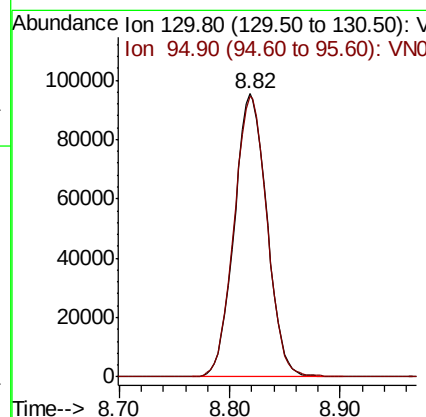
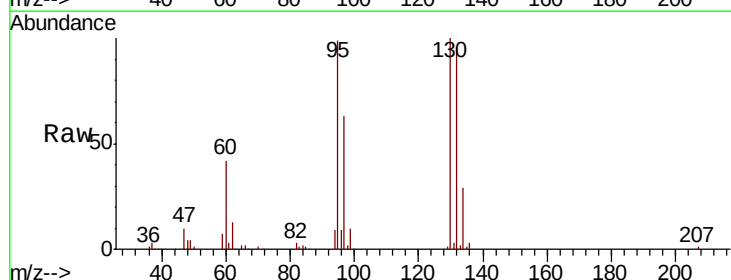
RT: 8.82 min Scan# 2191

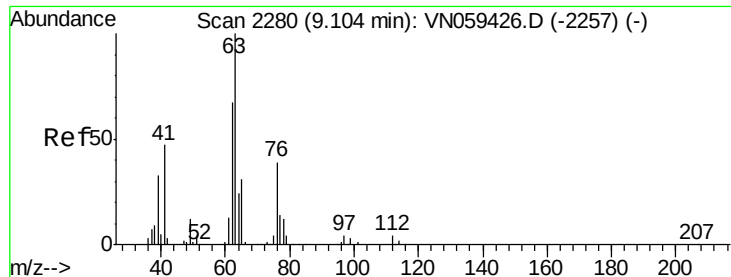
Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	130	Resp:	195557
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	199.6





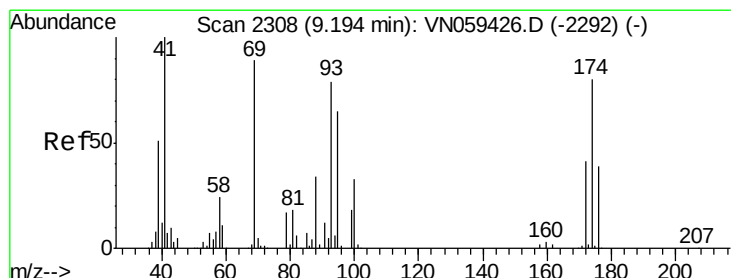
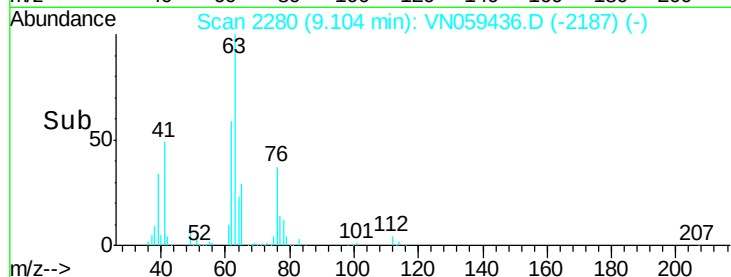
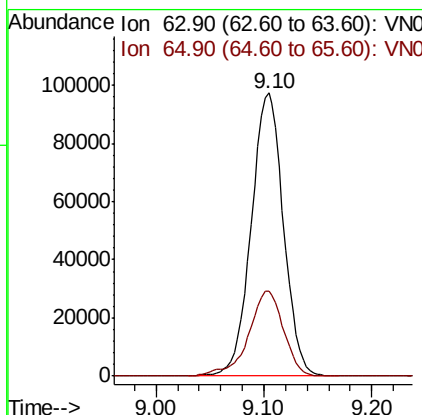
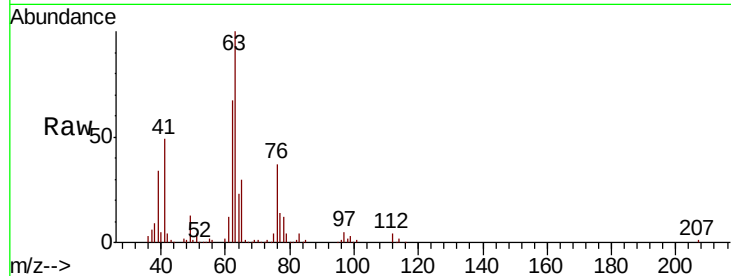
#45
 1,2-Dichloropropane
 Concen: 45.787 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	36.8

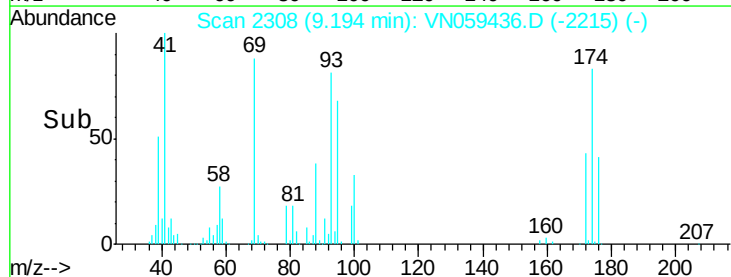
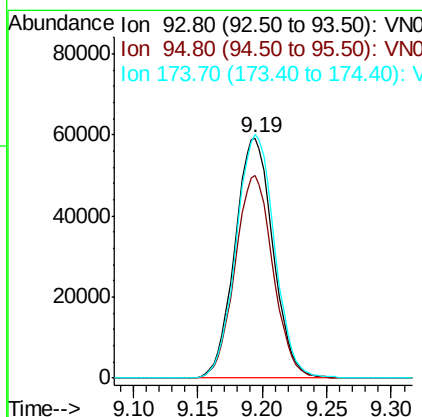
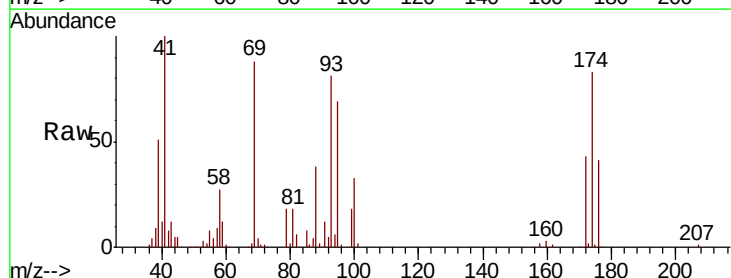
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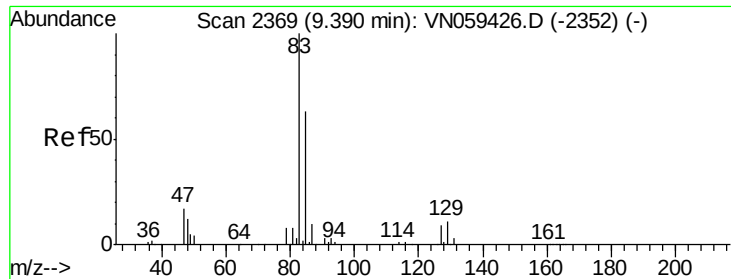
apatel
 12/2/2019 10:38:48 AM



#46
 Dibromomethane
 Concen: 44.744 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.2	99.4
174	102.4	81.8	122.8





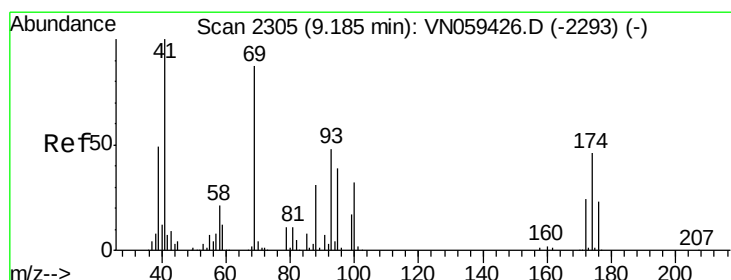
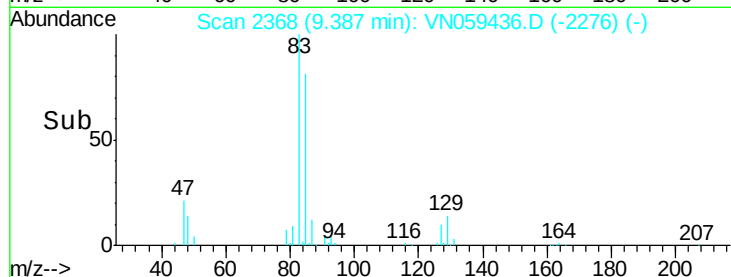
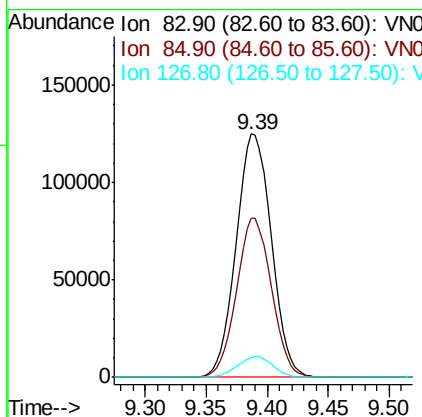
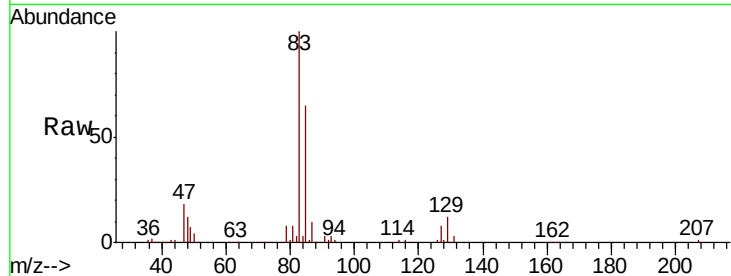
#47
Bromodichloromethane
Concen: 45.380 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	249669
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.6	75.8
127	8.2	6.8	10.2

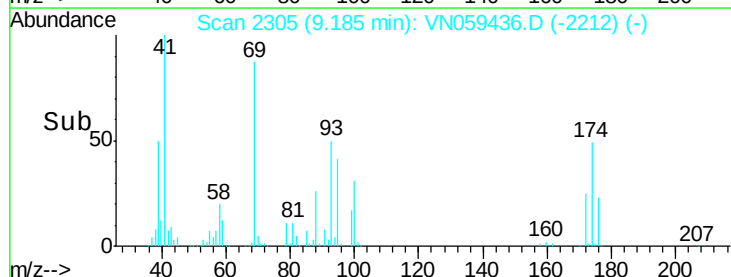
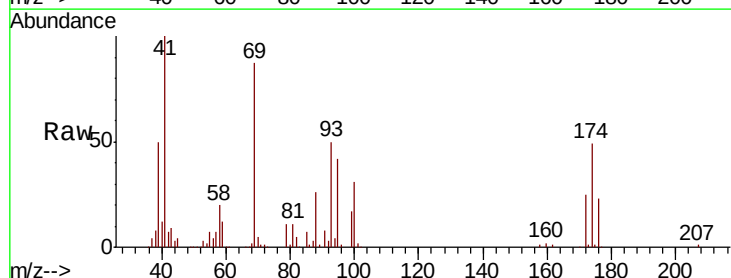
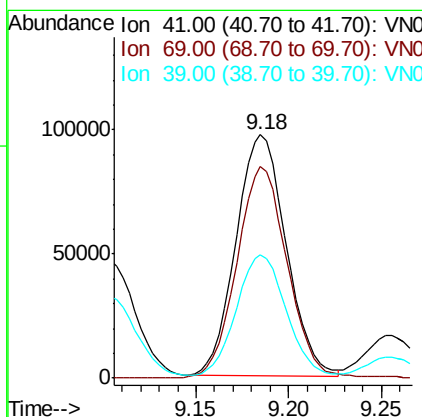
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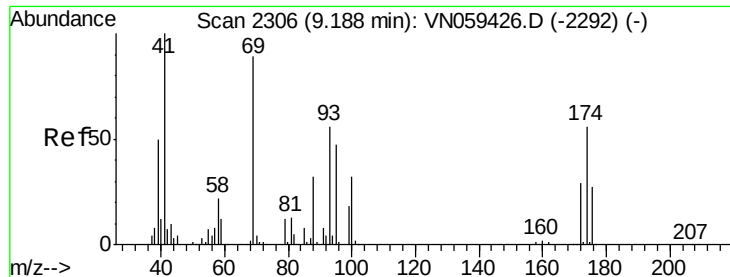
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#48
Methyl methacrylate
Concen: 44.846 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	41	Resp	181504
Ion Ratio	100	Lower	Upper
41	100		
69	89.0	71.6	107.4
39	49.8	41.3	61.9





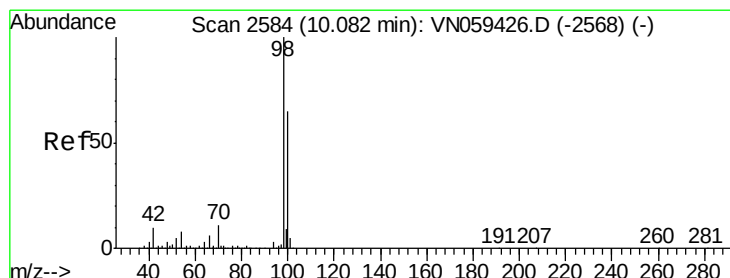
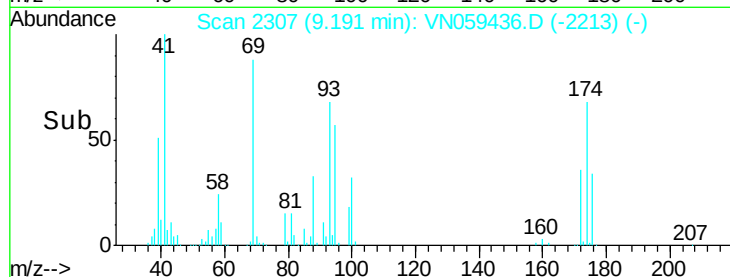
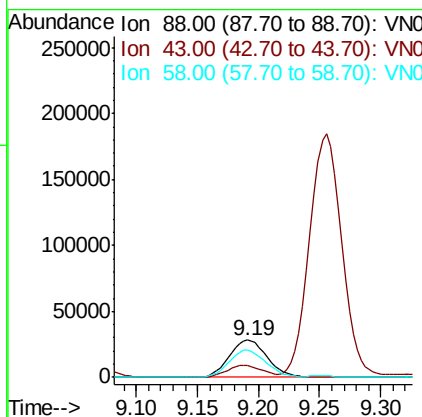
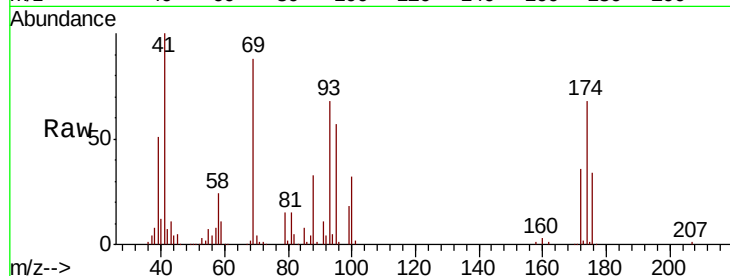
#49
1,4-Dioxane
Concen: 1036.972 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	23.7	35.5
58	71.9	56.3	84.5

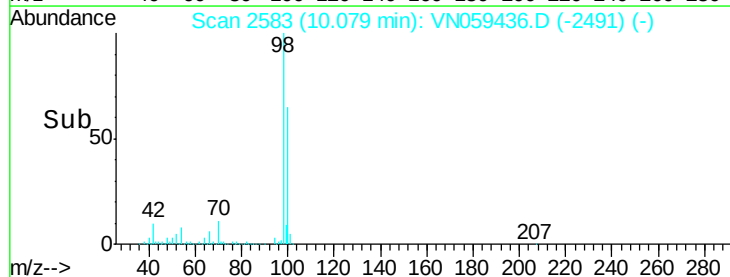
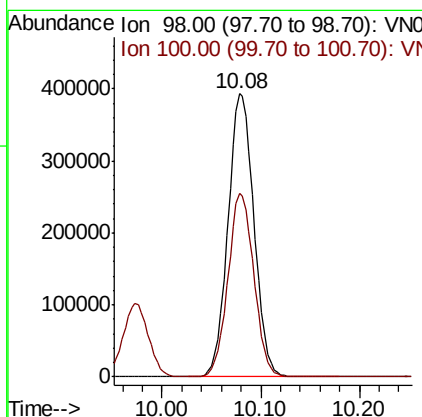
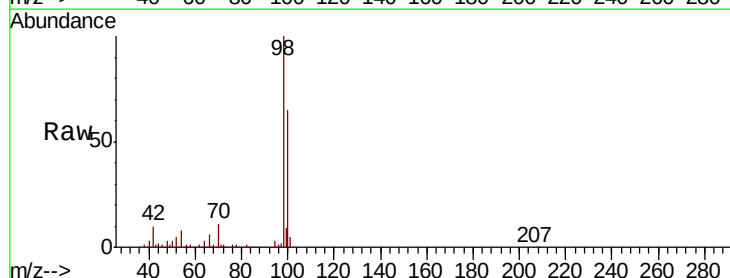
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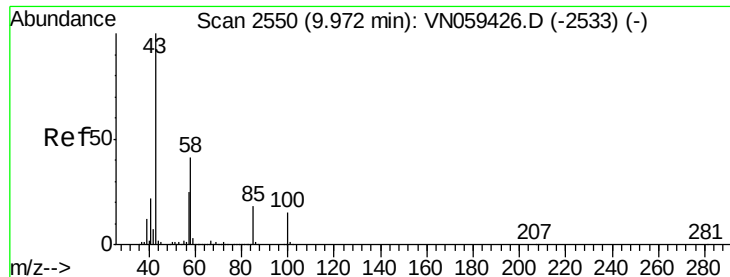
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#50
Toluene-d8
Concen: 50.403 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 230.844 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1221497

Ion Ratio Lower Upper

43 100

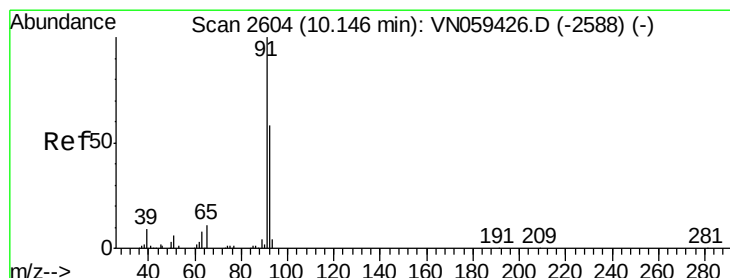
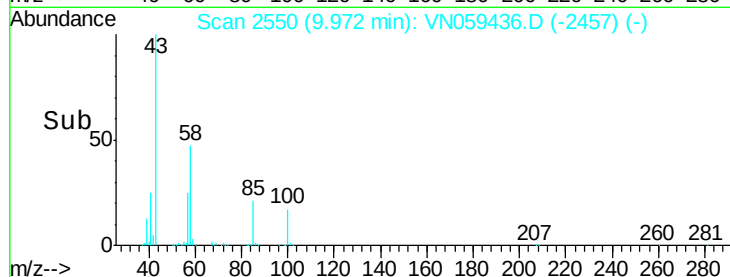
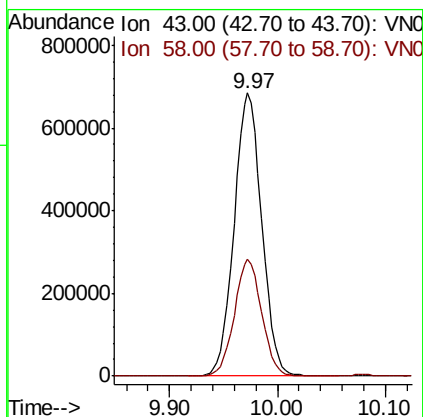
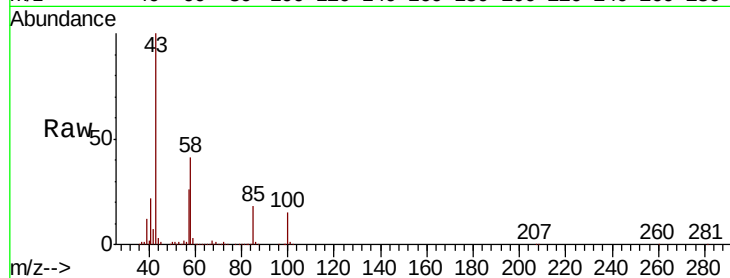
58 40.8 32.5 48.7

Manual Integrations

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#52

Toluene

Concen: 45.667 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059436.D

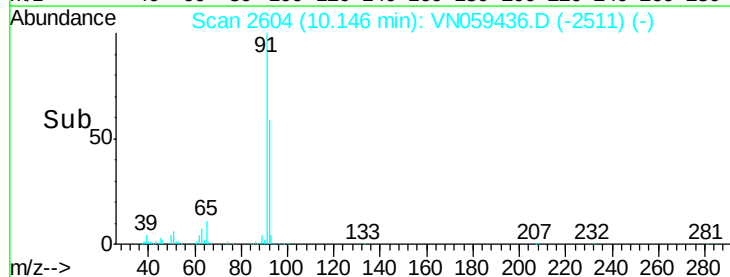
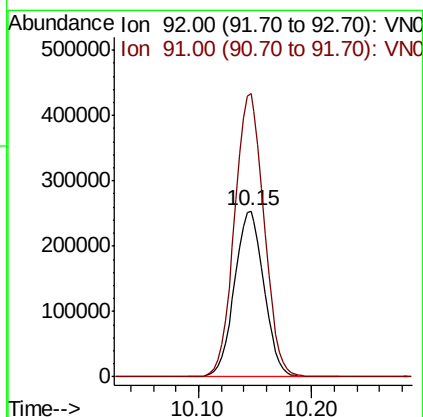
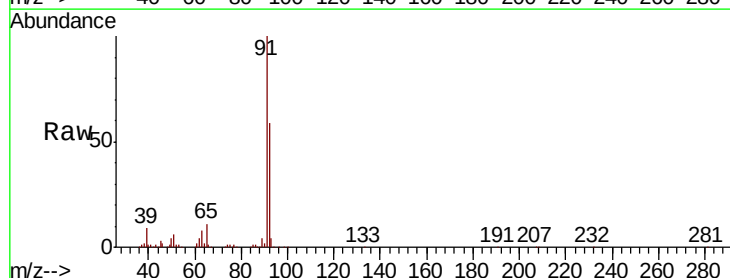
Acq: 29 Nov 2019 10:12

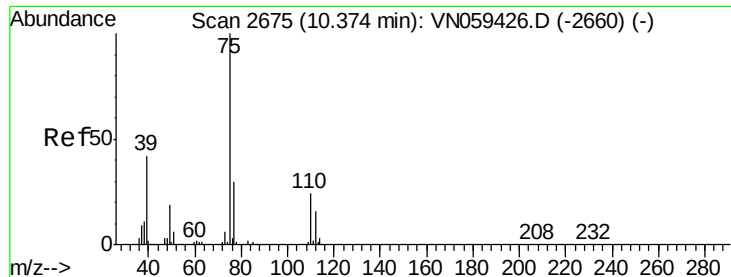
Tgt Ion: 92 Resp: 459776

Ion Ratio Lower Upper

92 100

91 171.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 45.894 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 290138

Ion Ratio Lower Upper

75 100

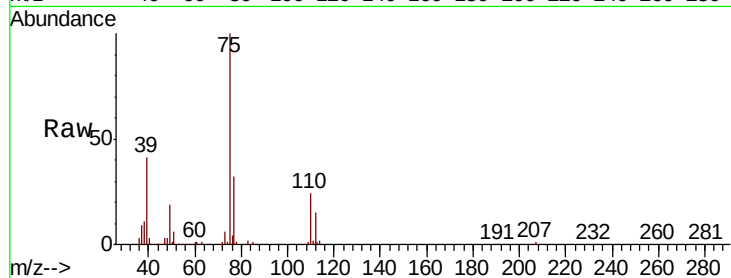
77 31.5 25.5 38.3

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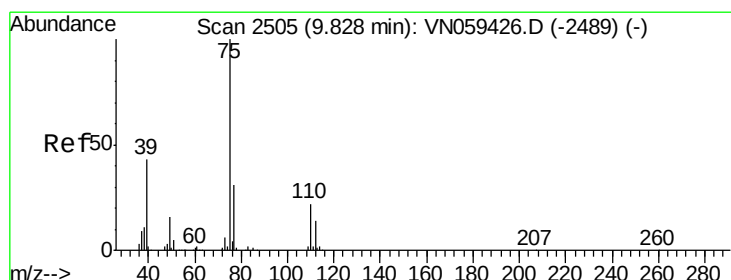
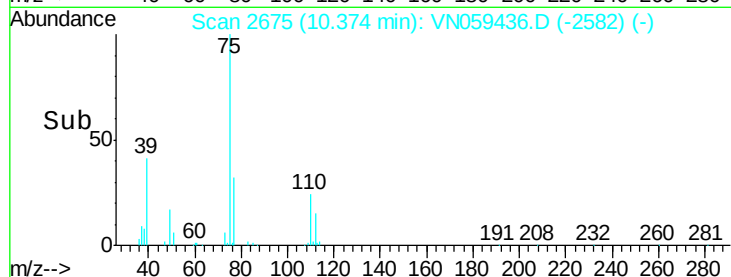
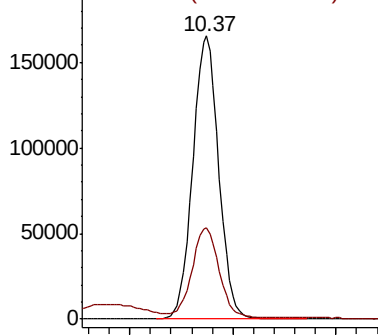
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 46.742 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

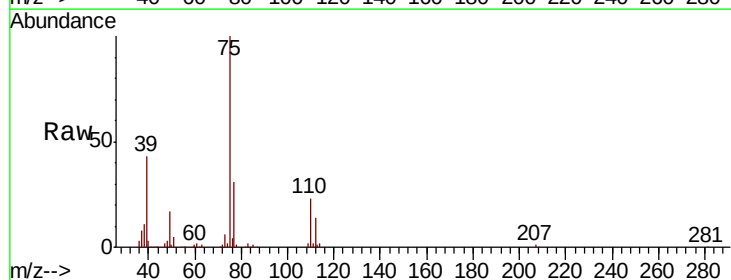
Tgt Ion: 75 Resp: 318994

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

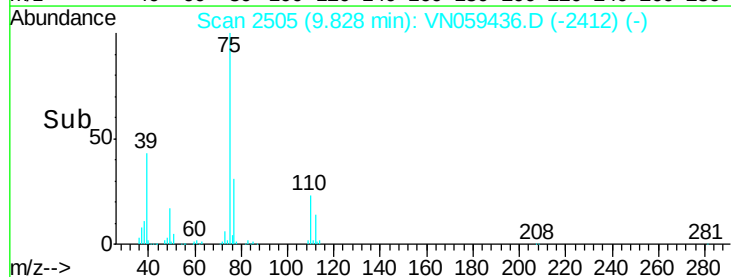
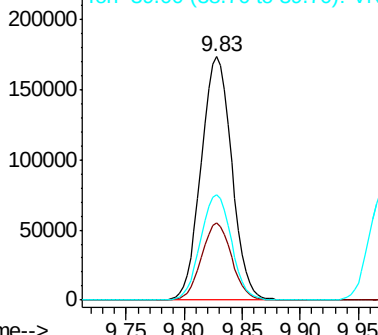
39 43.4 34.0 51.0

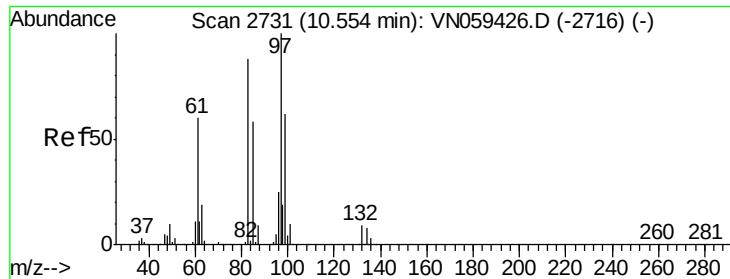


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 44.817 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 176608

Ion Ratio Lower Upper

97 100

83 88.4 70.7 106.1

85 57.8 46.4 69.6

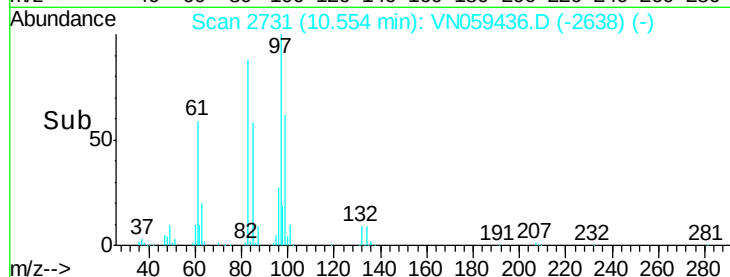
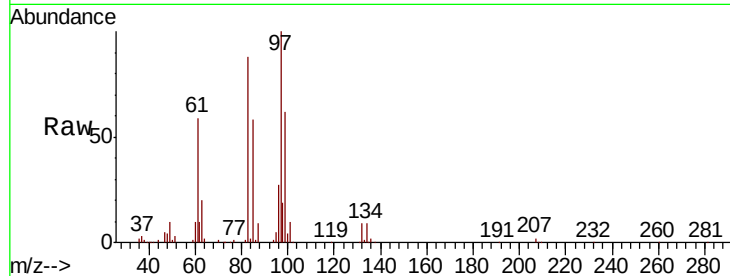
99 62.4 49.6 74.4

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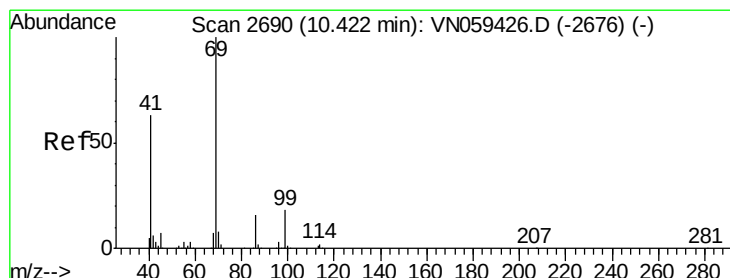
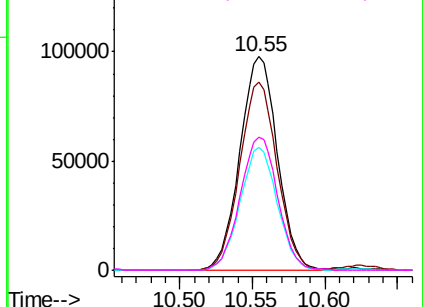


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.222 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

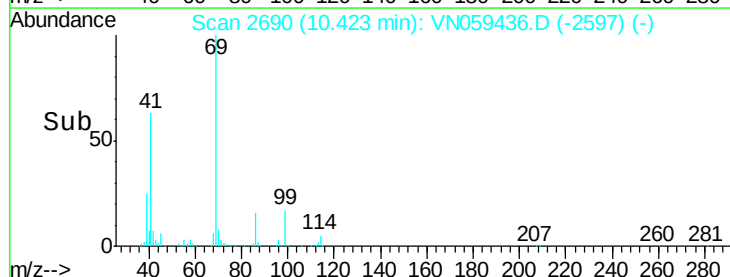
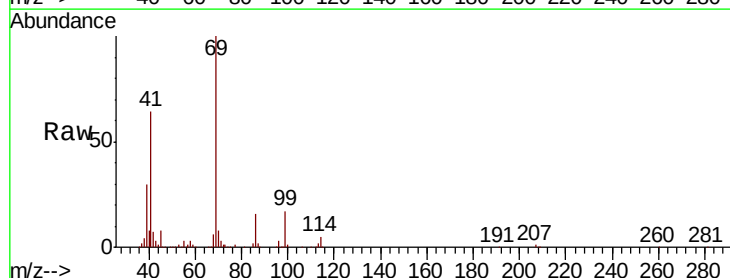
Tgt Ion: 69 Resp: 271932

Ion Ratio Lower Upper

69 100

41 63.7 50.1 75.1

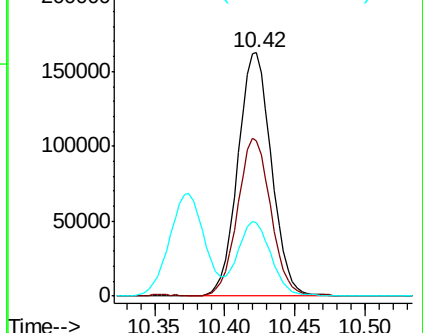
39 30.0 23.9 35.9

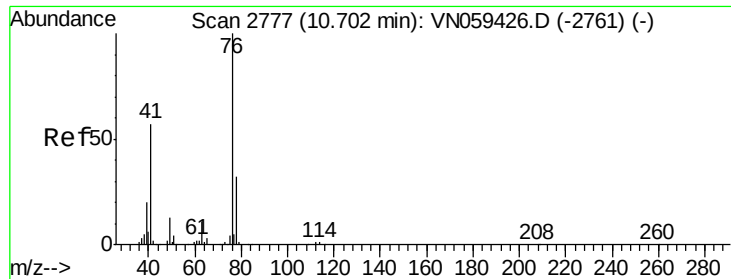


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 45.256 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 308235

Ion Ratio Lower Upper

76 100

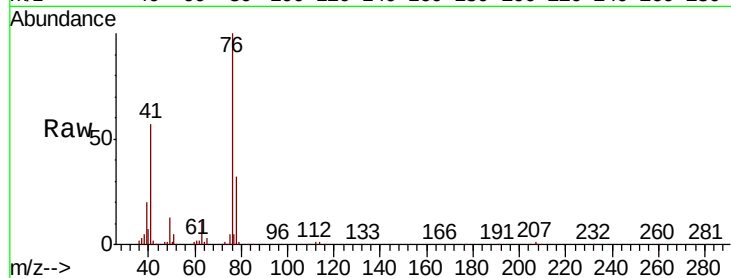
78 32.3 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

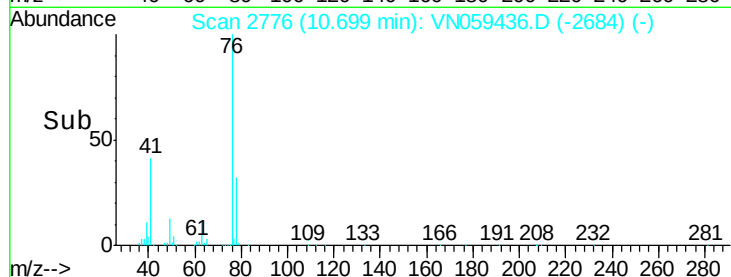
150000

100000

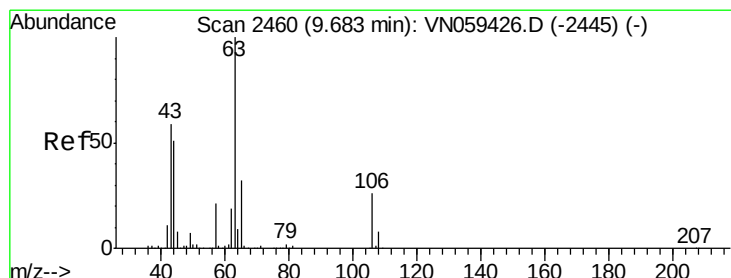
50000

0

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 206.035 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059436.D

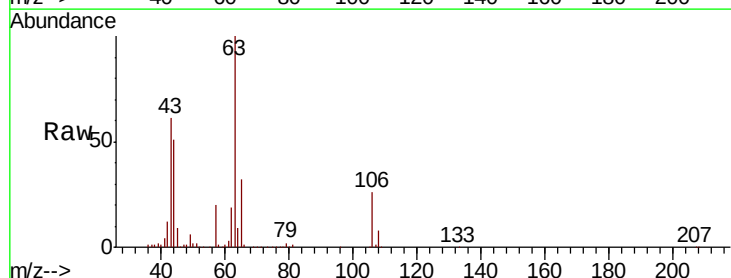
Acq: 29 Nov 2019 10:12

Tgt Ion: 63 Resp: 347881

Ion Ratio Lower Upper

63 100

106 26.4 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

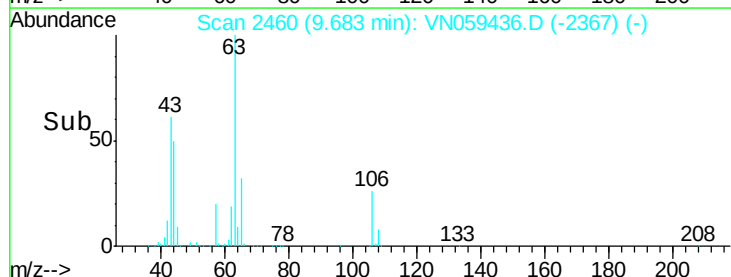
150000

100000

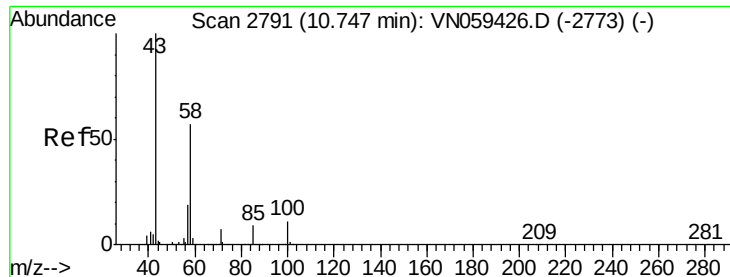
50000

0

Time-->



Time-->



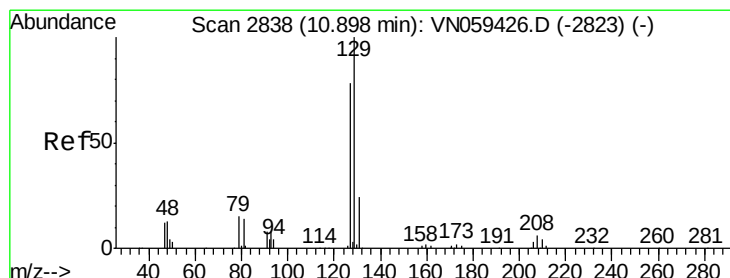
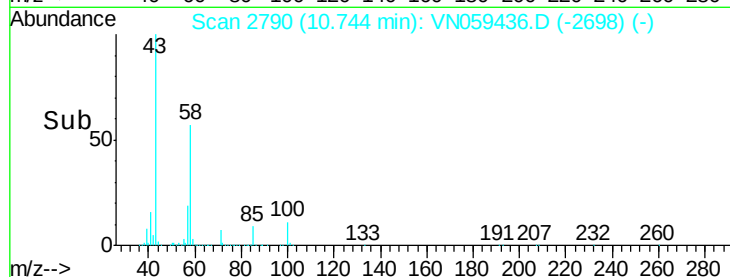
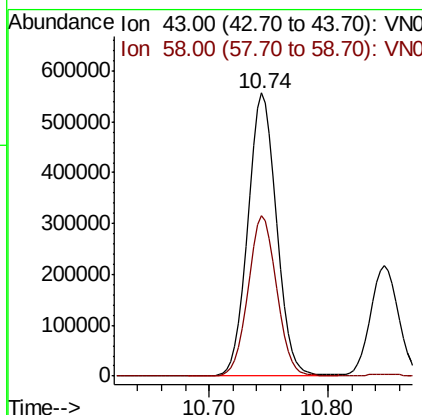
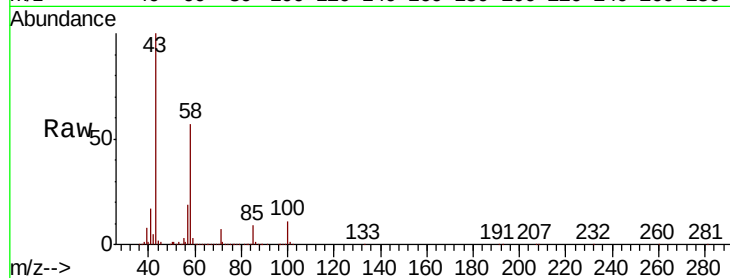
#59
2-Hexanone
Concen: 236.687 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 928692
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0

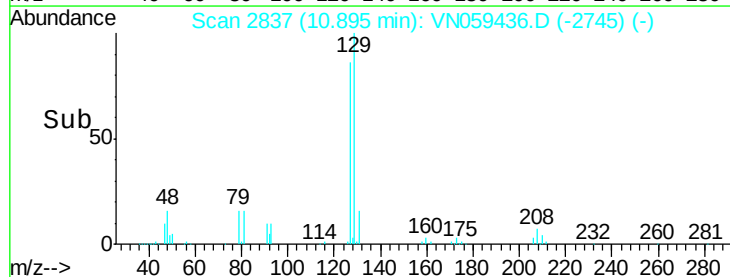
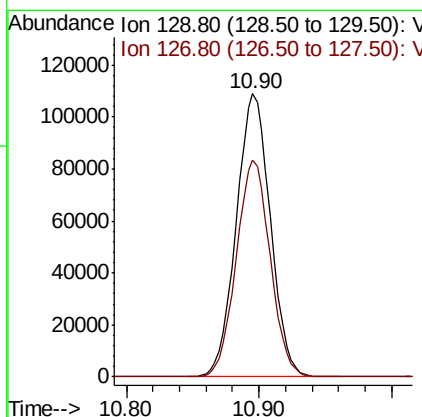
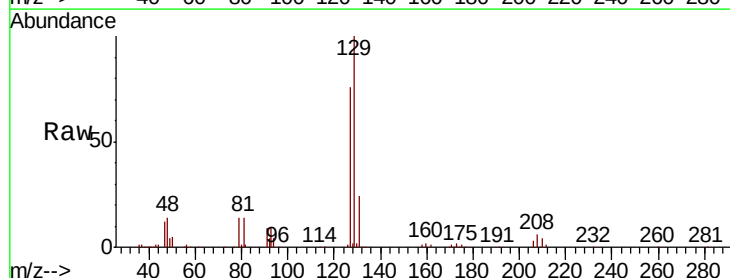
Manual Integrations
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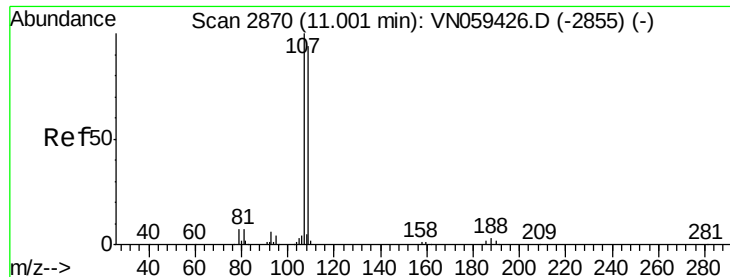
apatel
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#60
Dibromochloromethane
Concen: 47.200 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion: 129 Resp: 194156
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





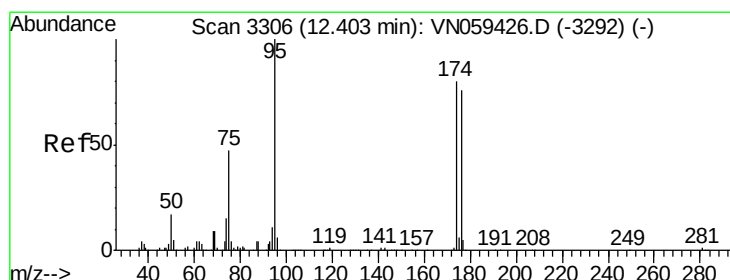
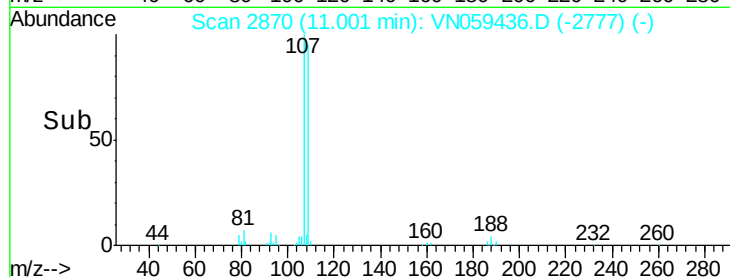
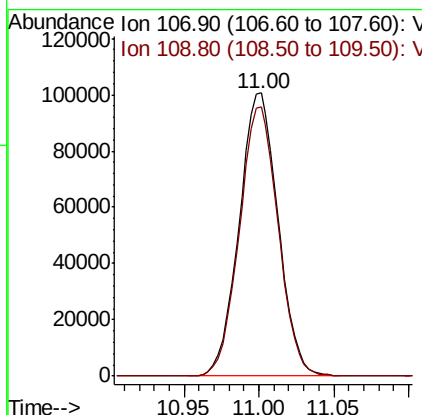
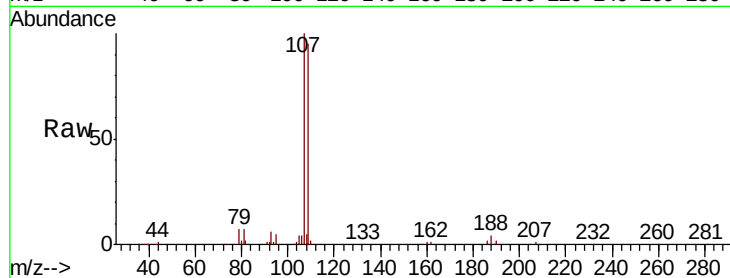
#61
 1,2-Dibromoethane
 Concen: 45.088 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.8

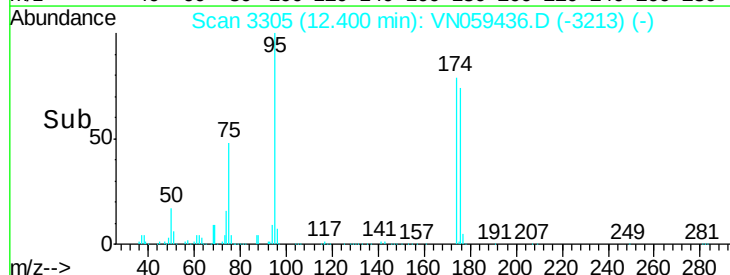
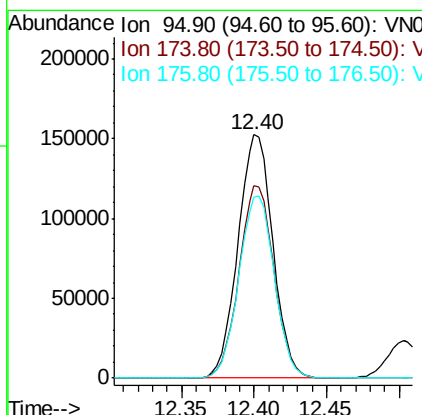
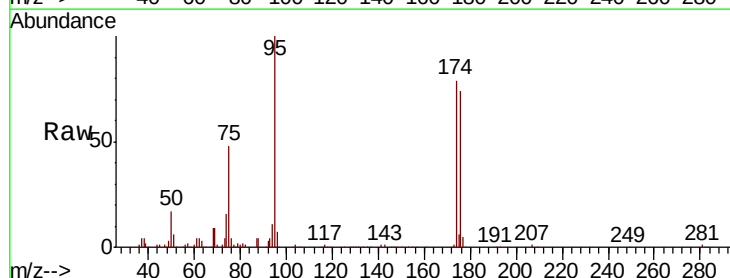
Manual Integrations
 APPROVED

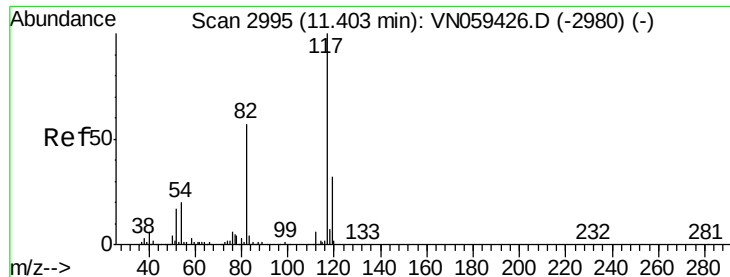
apatel
 12/2/2019 10:38:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.197 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	158.0
176	76.2	0.0	153.0





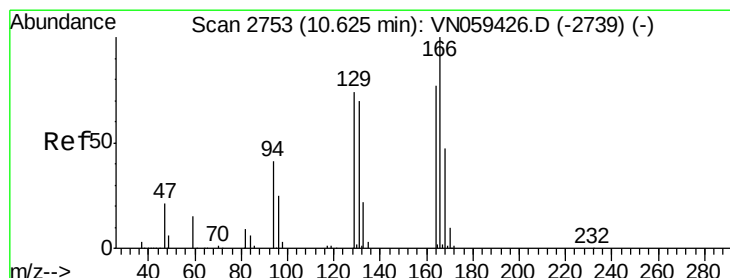
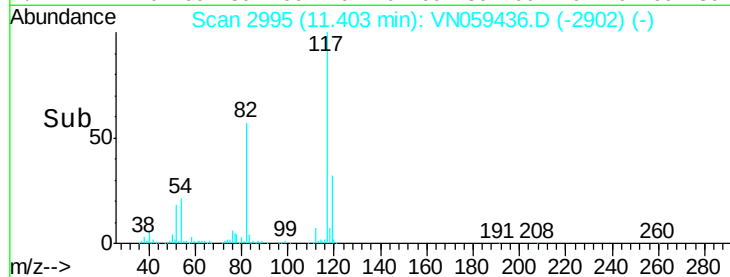
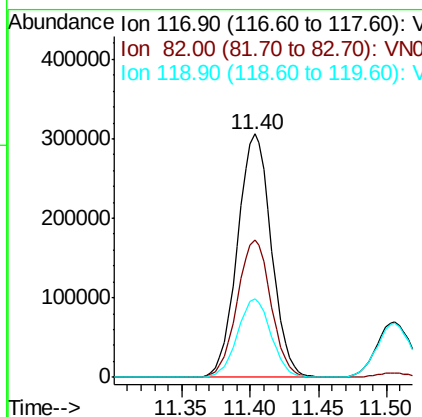
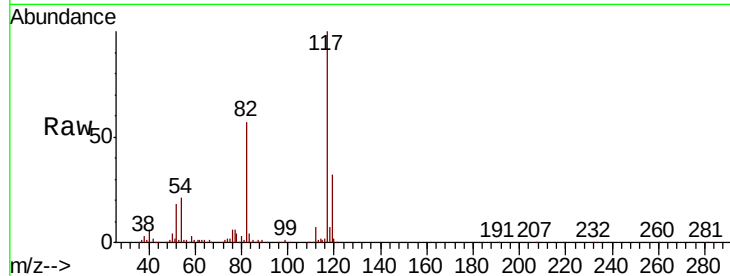
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	527099		
82	56.6		45.4	68.0
119	32.4		25.6	38.4

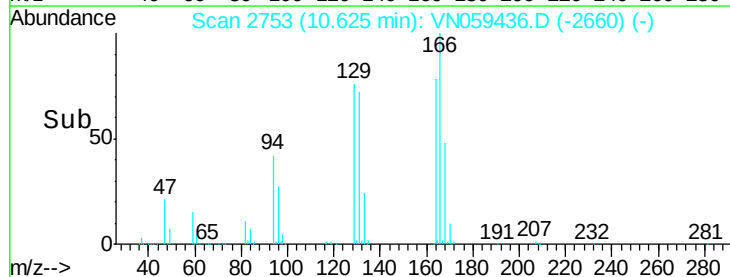
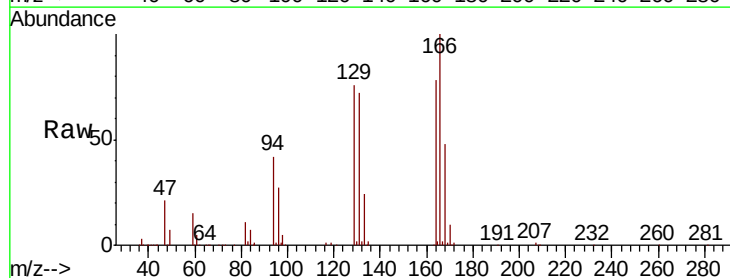
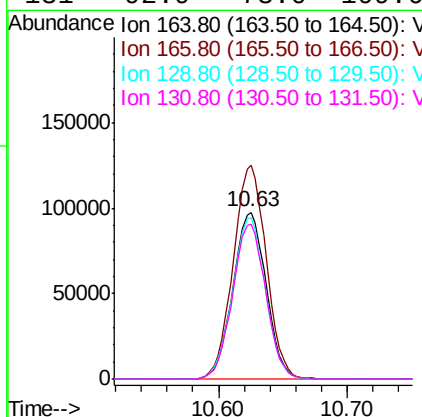
Manual Integrations
APPROVED

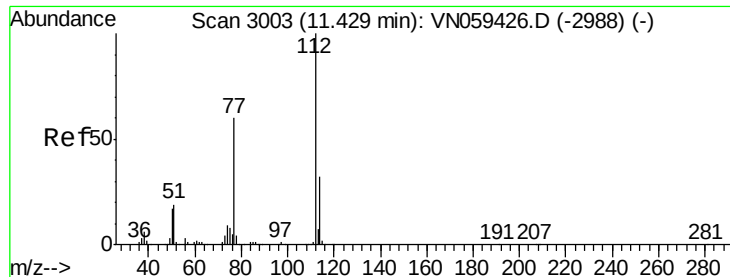
apatel
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#64
Tetrachloroethene
Concen: 44.752 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174476		
166	128.3		104.2	156.4
129	97.2		76.8	115.2
131	92.9		73.0	109.6





#65

Chlorobenzene

Concen: 44.943 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 479581

Ion Ratio Lower Upper

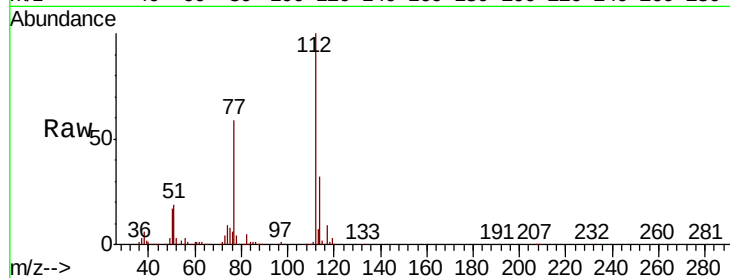
112 100

114 31.8 25.4 38.2

Manual Integrations
APPROVED

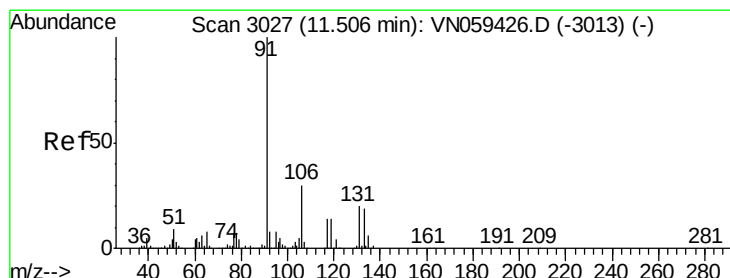
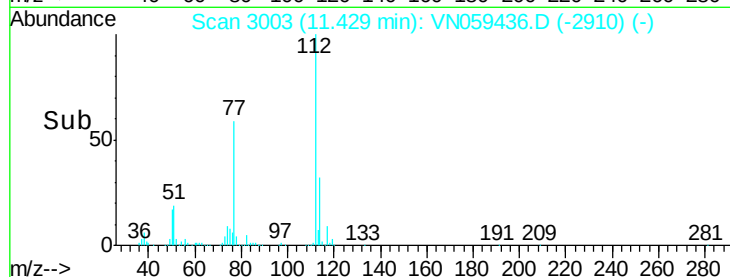
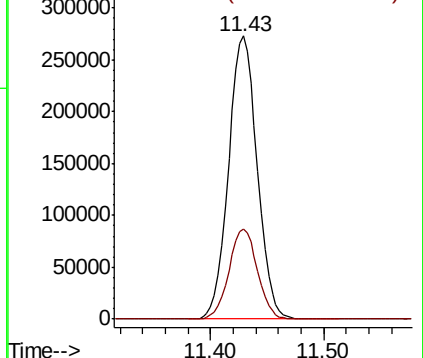
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.992 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

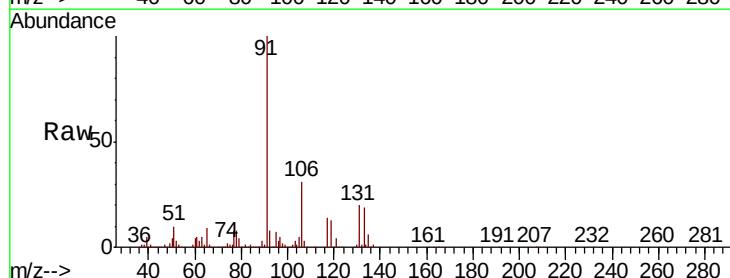
Tgt Ion:131 Resp: 177975

Ion Ratio Lower Upper

131 100

133 95.9 48.2 144.6

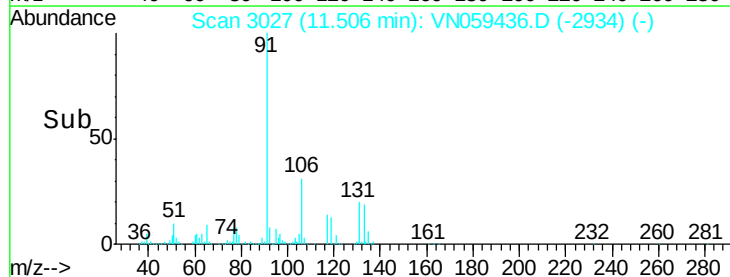
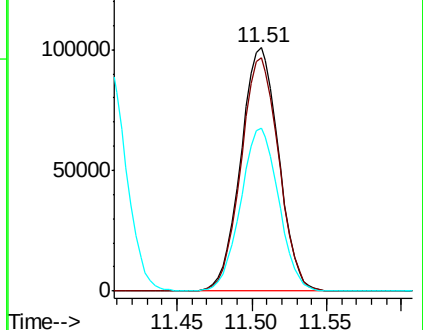
119 67.1 33.8 101.3

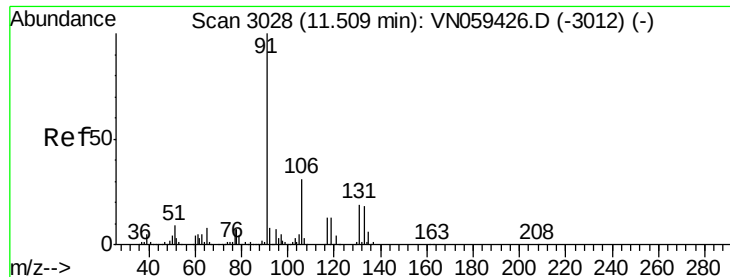


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.493 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 871425

Ion Ratio Lower Upper

91 100

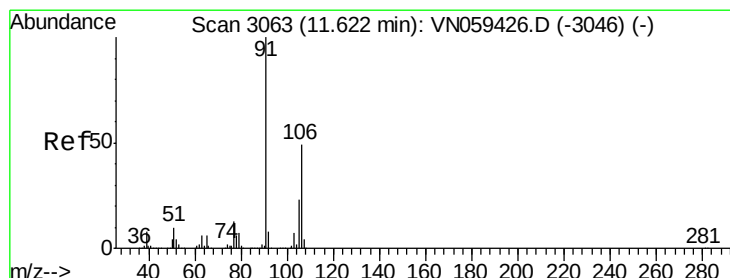
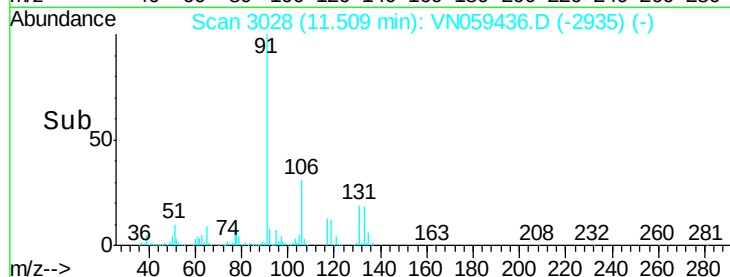
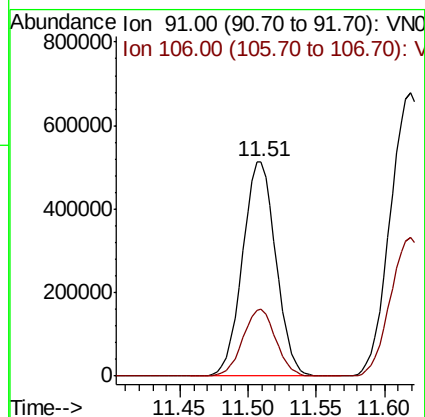
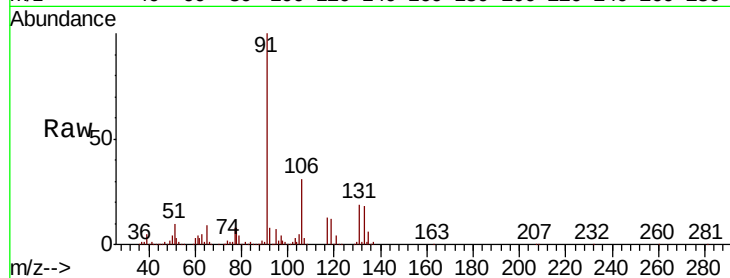
106 31.2 24.7 37.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 92.430 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059436.D

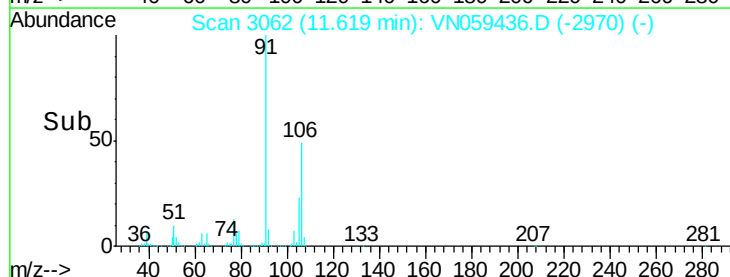
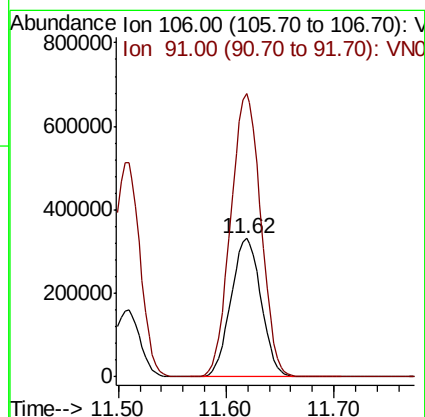
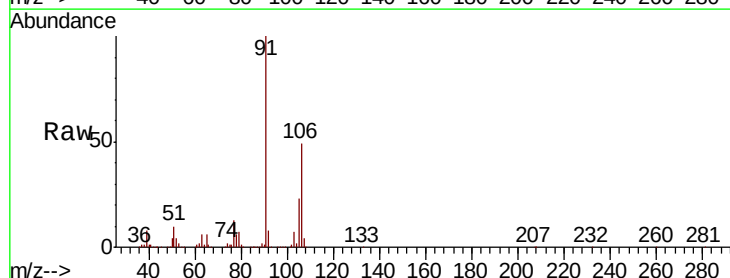
Acq: 29 Nov 2019 10:12

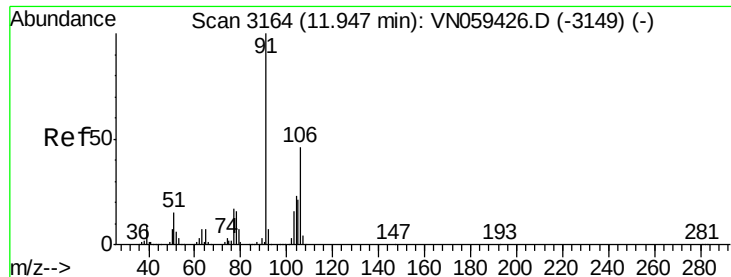
Tgt Ion: 106 Resp: 646818

Ion Ratio Lower Upper

106 100

91 204.4 163.7 245.5





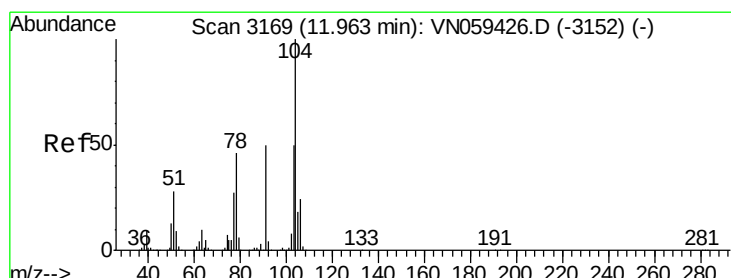
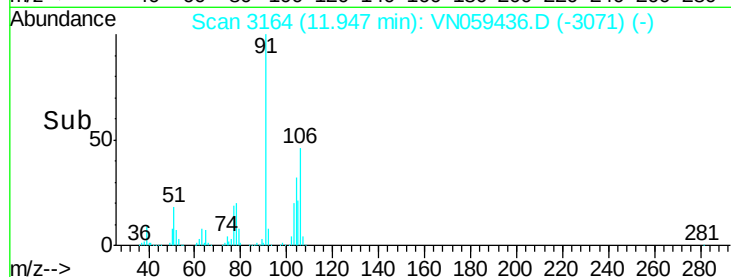
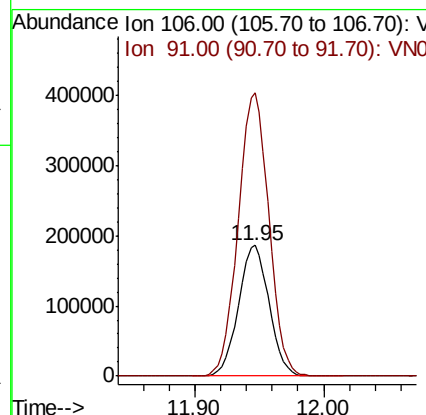
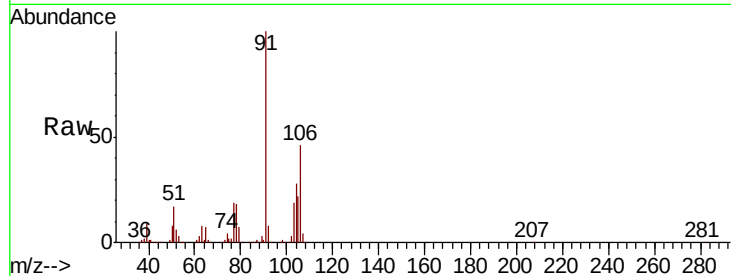
#69
o-Xylene
Concen: 45.622 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.8	107.5	322.4	

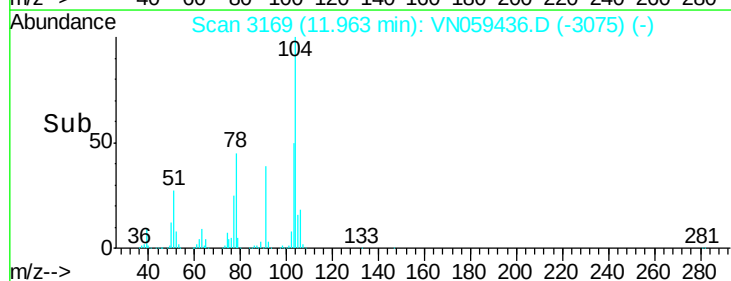
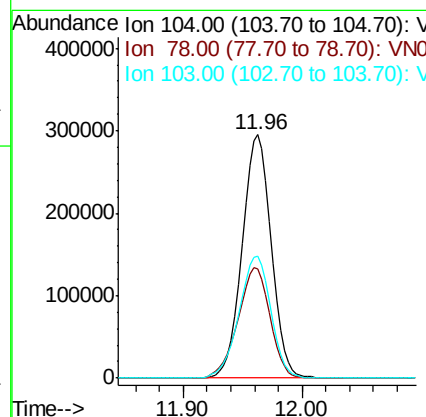
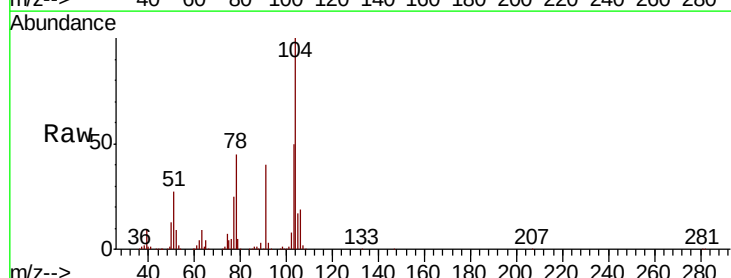
Manual Integrations
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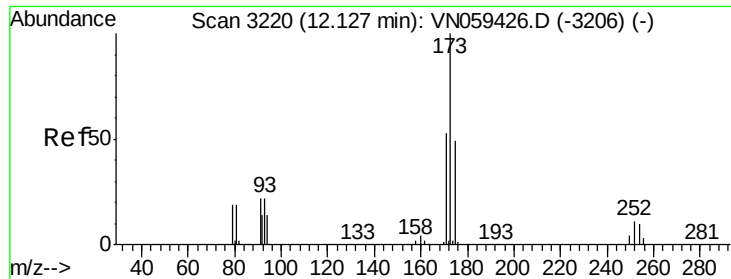
apatel
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#70
Styrene
Concen: 49.569 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.3	40.4	60.6	
103	55.0	43.8	65.6	





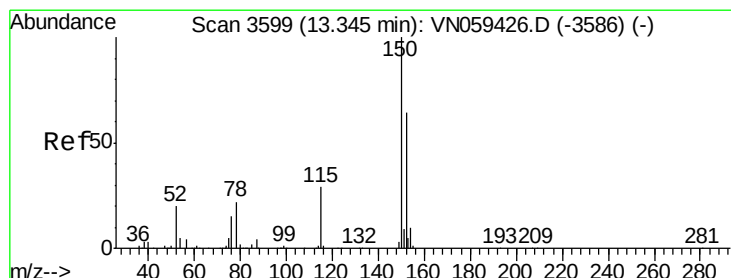
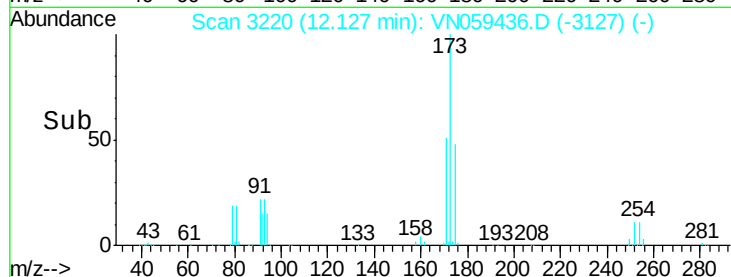
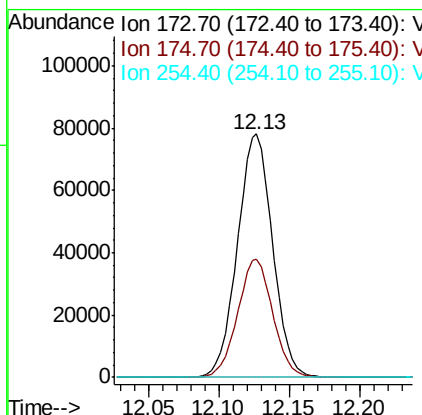
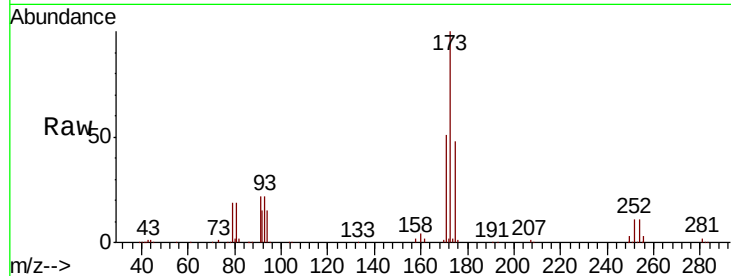
#71
Bromoform
Concen: 46.286 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.1	0.0	0.0

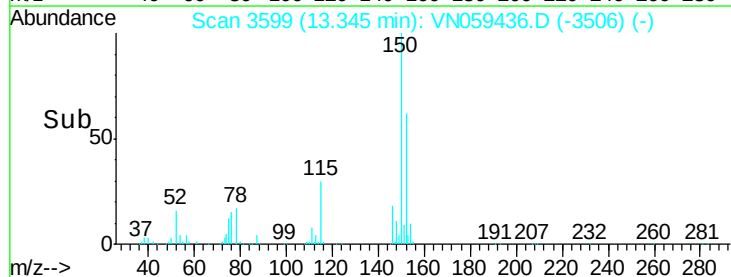
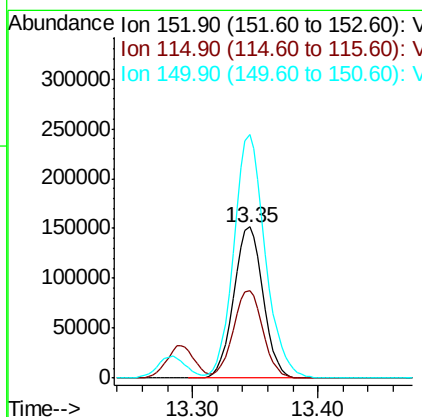
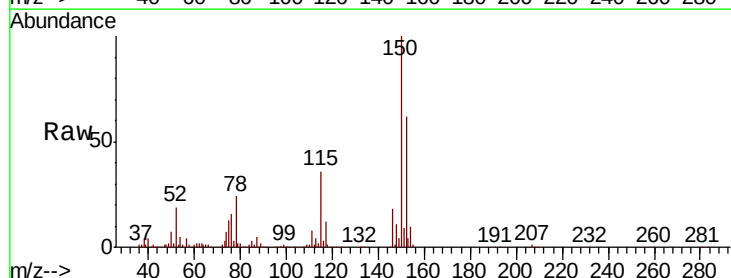
Manual Integrations
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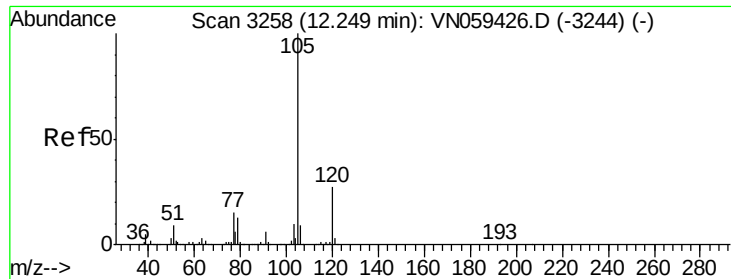
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.5	88.6
150	172.2	0.0	347.2





#73

Isopropylbenzene

Concen: 45.486 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 828643

Ion Ratio Lower Upper

105 100

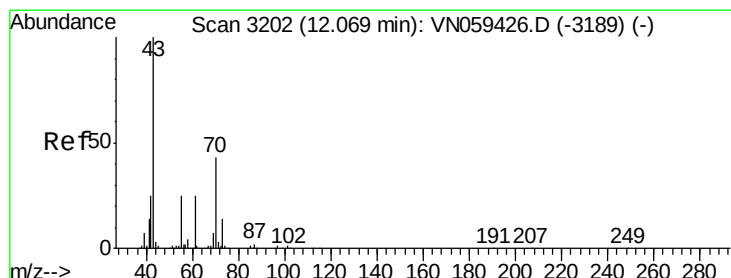
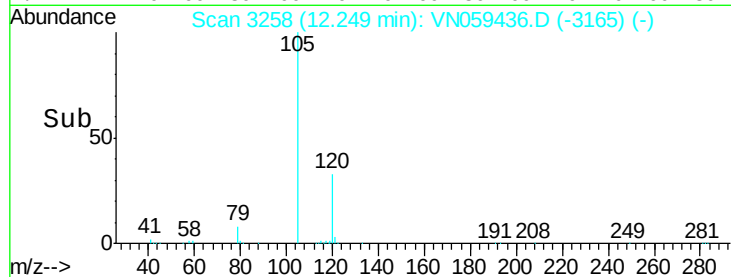
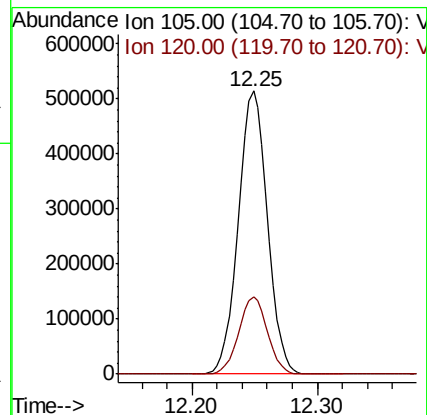
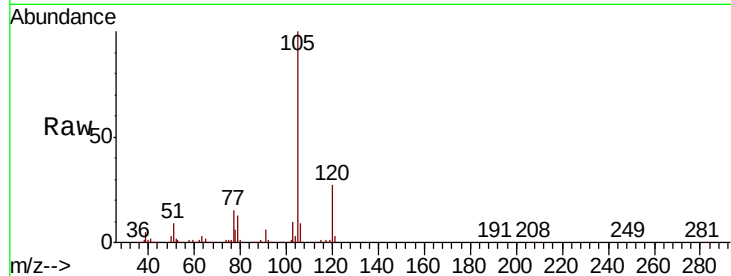
120 26.9 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.378 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion: 43 Resp: 317215

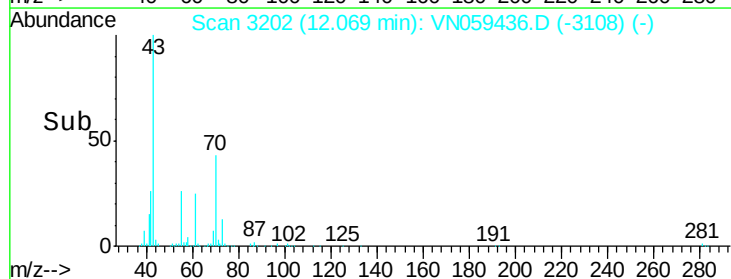
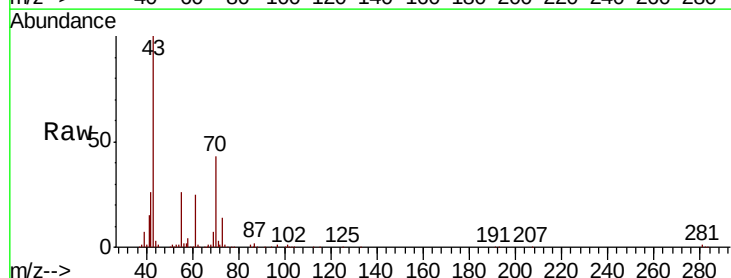
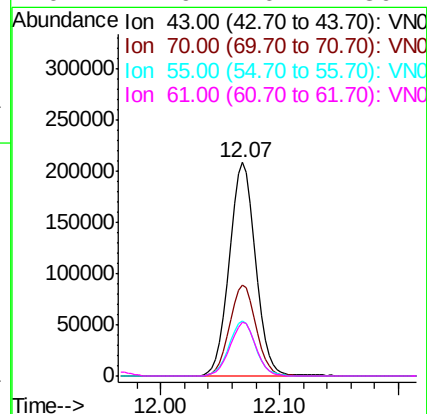
Ion Ratio Lower Upper

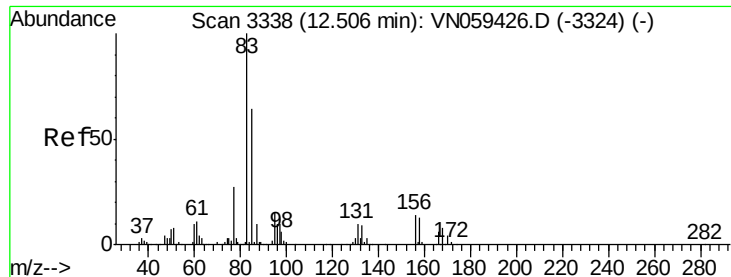
43 100

70 43.3 34.6 52.0

55 26.2 20.5 30.7

61 24.9 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 43.565 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

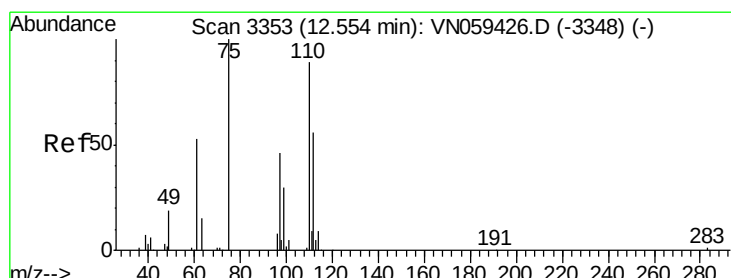
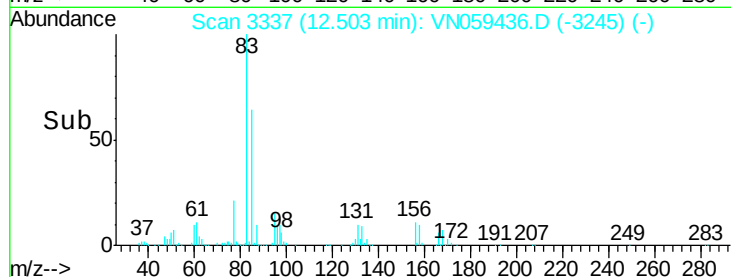
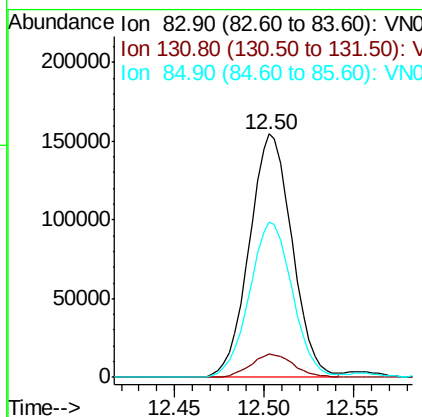
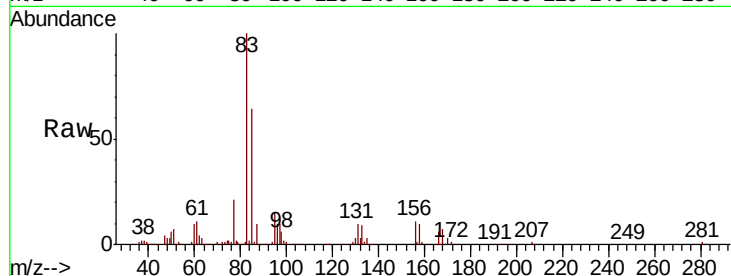
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	258815
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	64.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 44.358 ug/l m

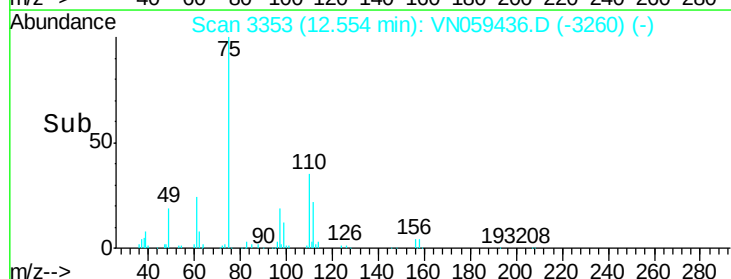
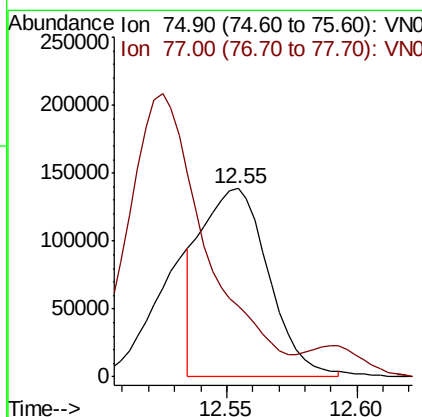
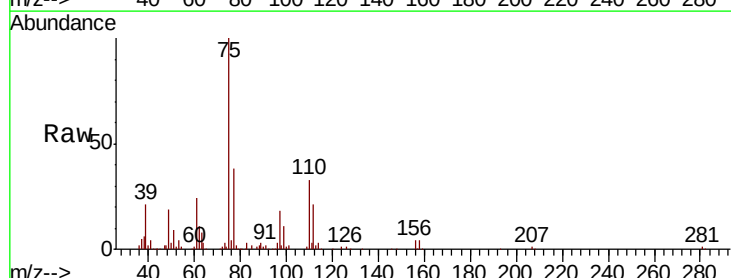
RT: 12.55 min Scan# 3353

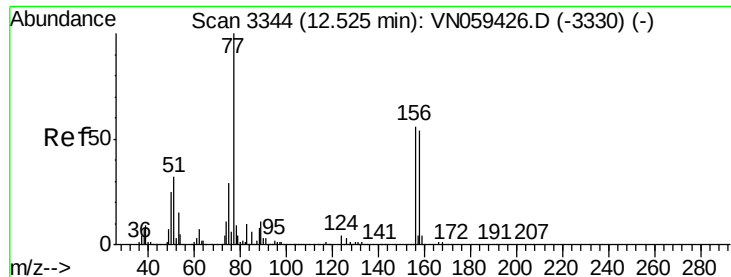
Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	75	Resp:	246771
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.366 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

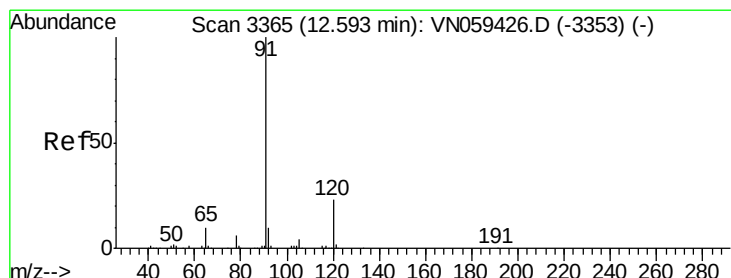
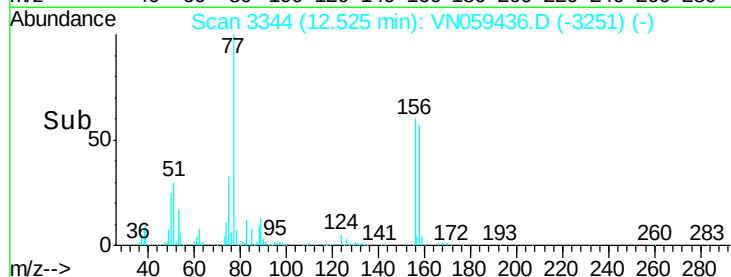
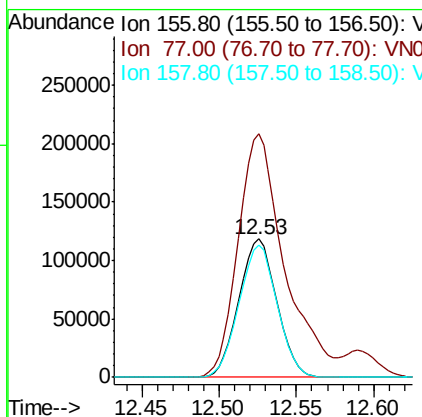
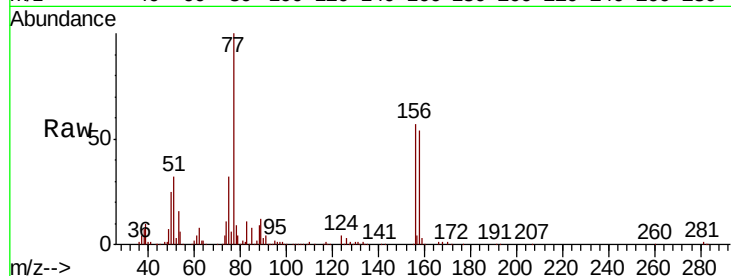
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	202341
Ion Ratio	Lower	Upper	
156	100		
77	216.1	108.7	326.3
158	96.2	48.3	144.9

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#78

n-propylbenzene

Concen: 46.113 ug/l

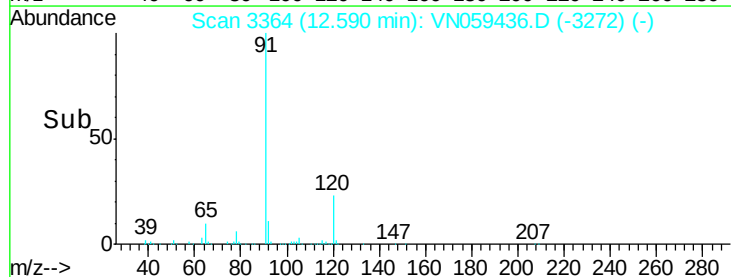
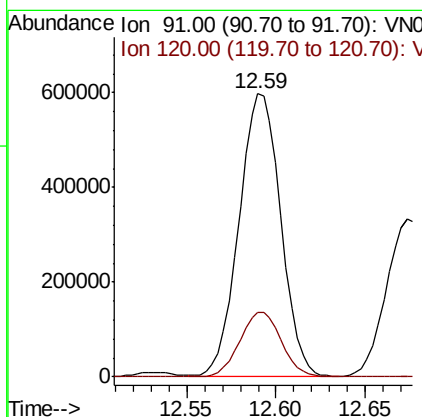
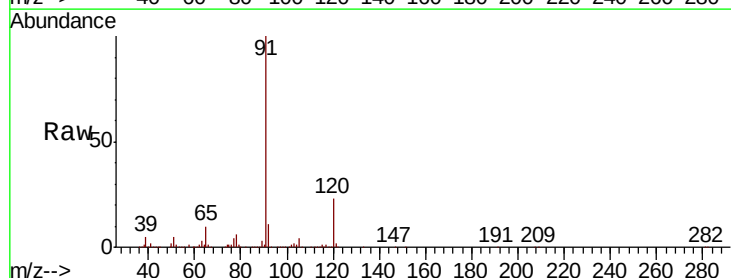
RT: 12.59 min Scan# 3364

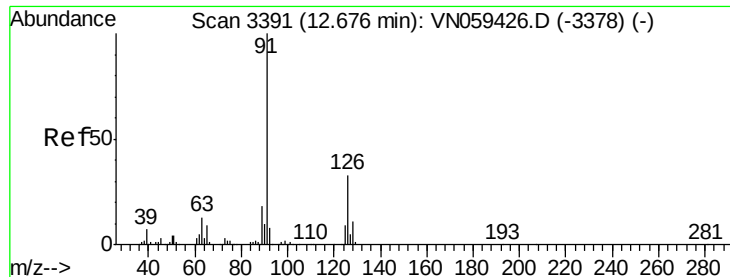
Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion:	91	Resp:	968054
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.4





#79

2-Chlorotoluene

Concen: 44.932 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 563945

Ion Ratio Lower Upper

91 100

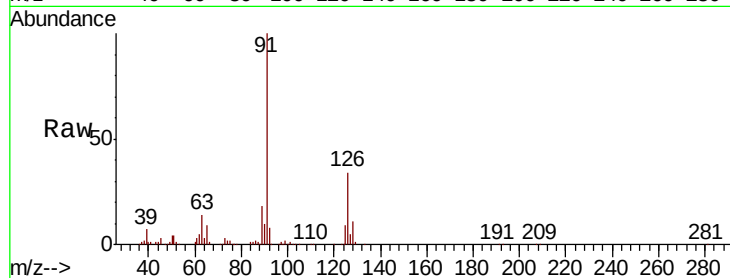
126 33.9 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059436.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN059436.D (-3298) (-)

600000

500000

400000

300000

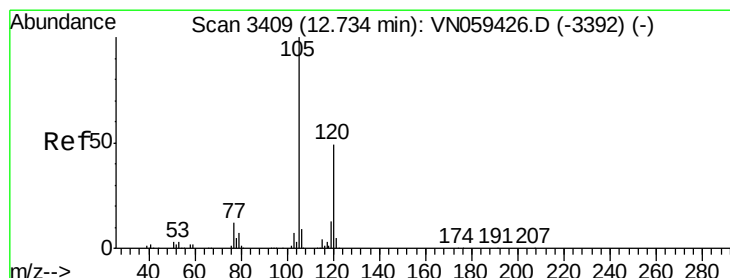
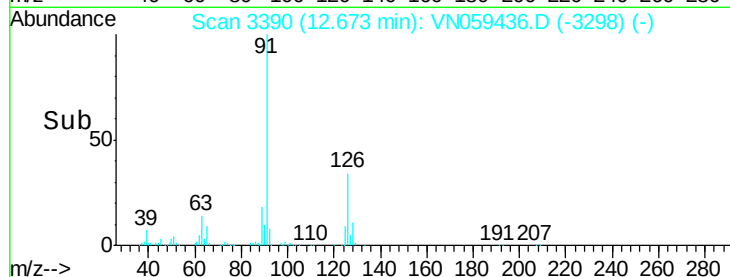
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.881 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059436.D

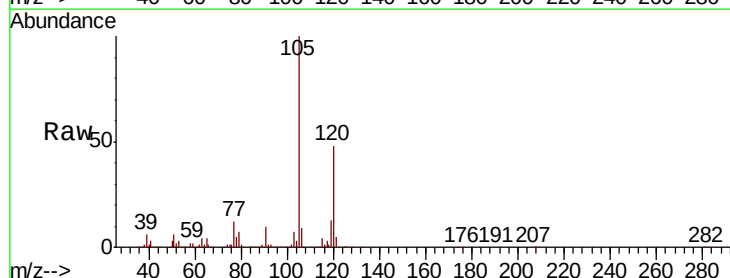
Acq: 29 Nov 2019 10:12

Tgt Ion: 105 Resp: 702589

Ion Ratio Lower Upper

105 100

120 47.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059436.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059436.D (-3316) (-)

500000

400000

300000

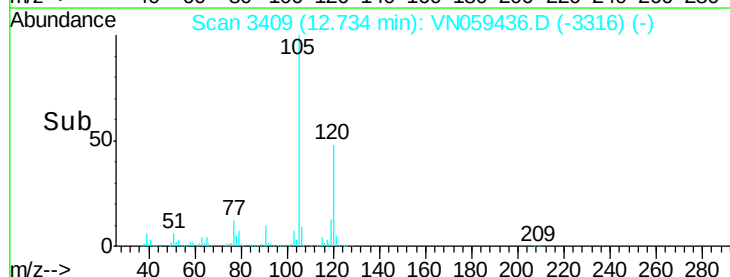
200000

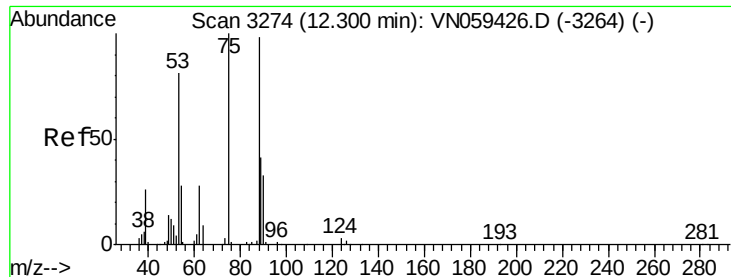
100000

0

12.70 12.80

Time-->





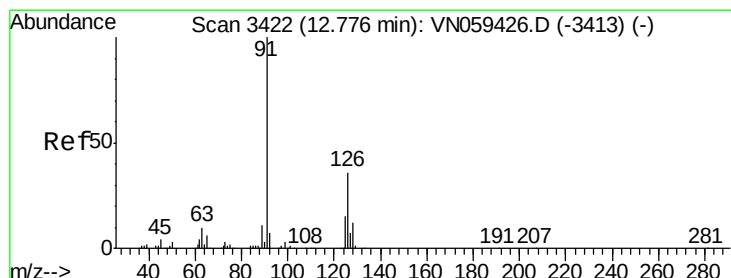
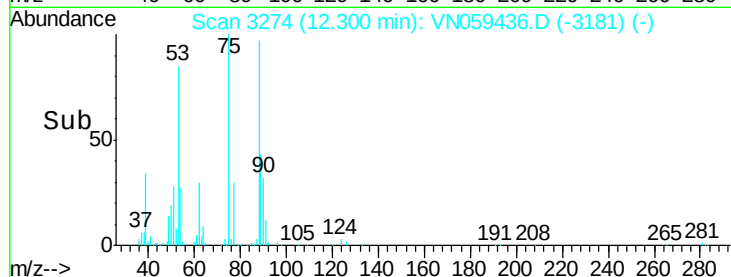
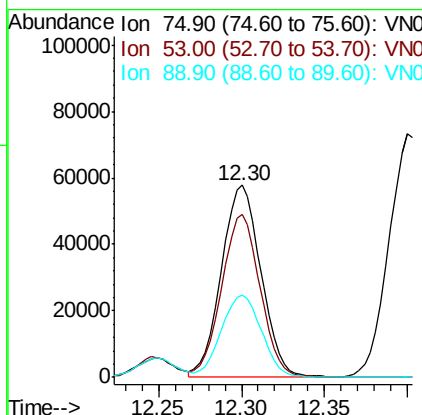
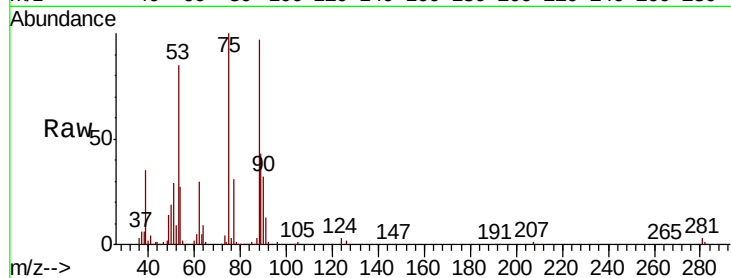
#81
trans-1,4-Dichloro-2-butene
Concen: 44.342 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.9	66.2	99.4
89	43.2	33.9	50.9

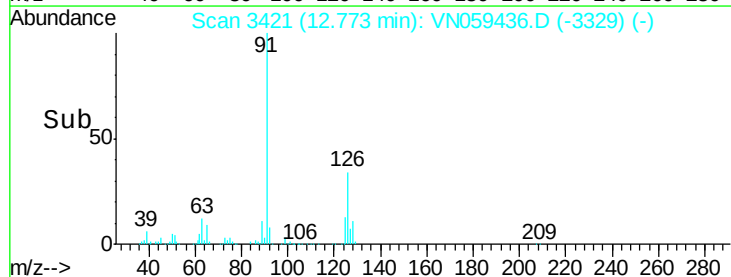
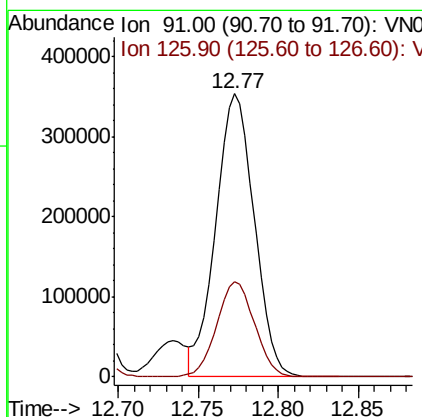
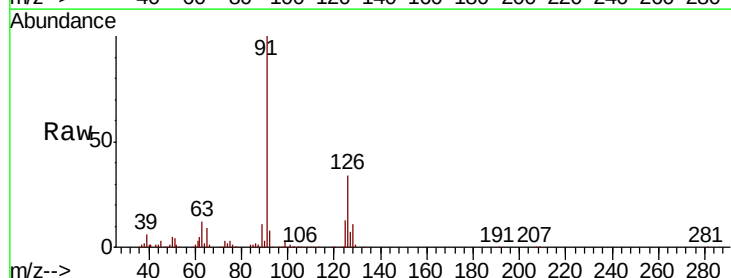
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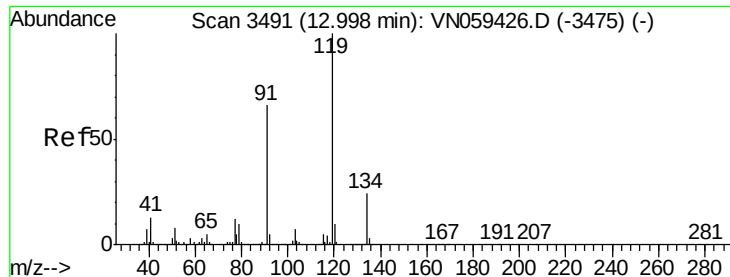
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#82
4-Chlorotoluene
Concen: 45.150 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.7	50.0





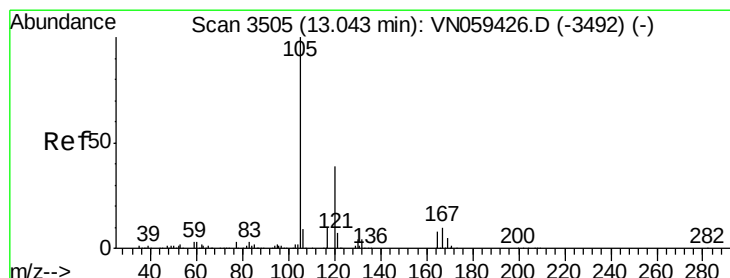
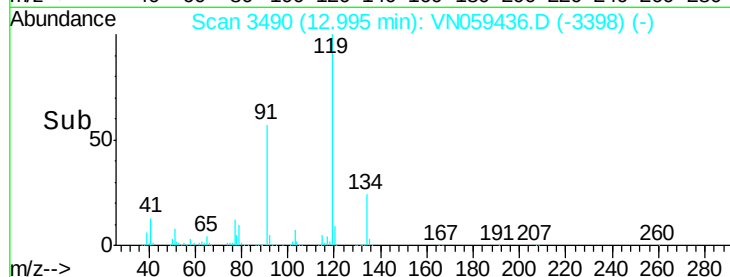
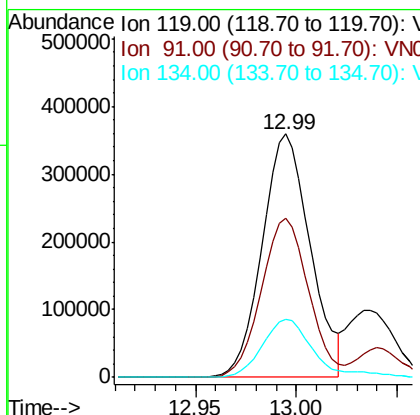
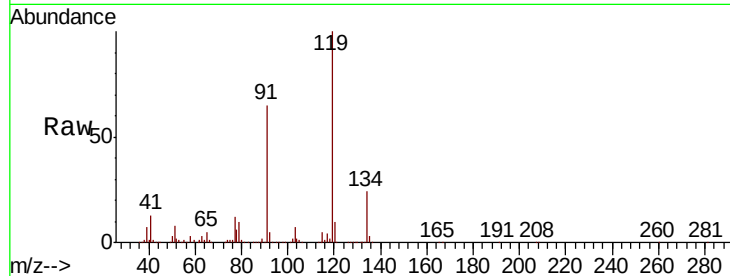
#83
 tert-Butylbenzene
 Concen: 45.292 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.8	98.4
134	25.5	12.9	38.6

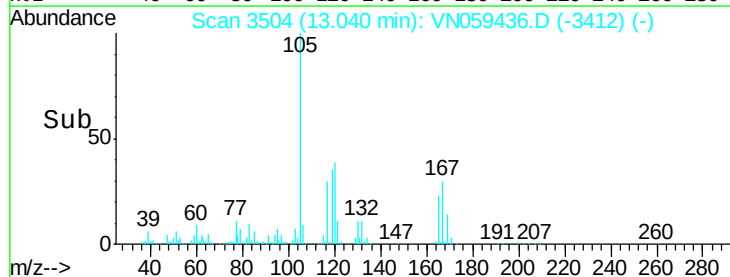
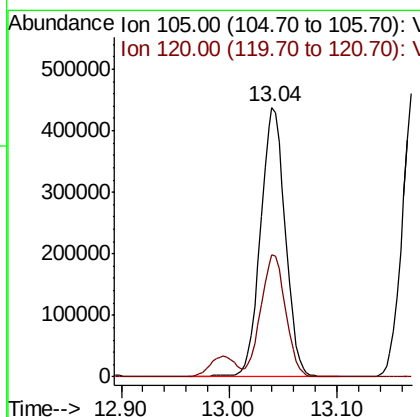
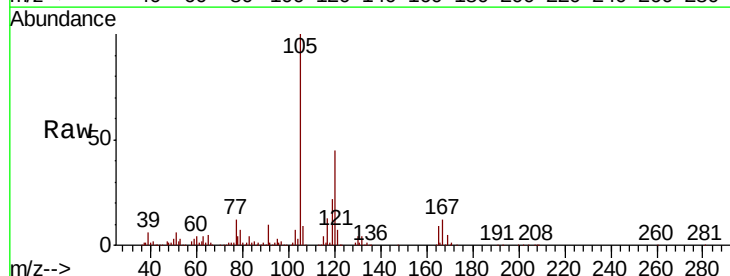
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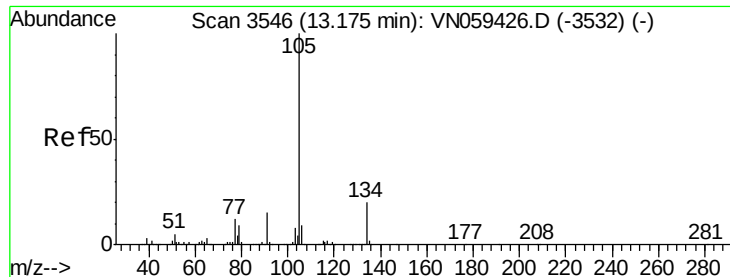
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.302 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.7





#85

sec-Butylbenzene

Concen: 45.885 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 801222

Ion Ratio Lower Upper

105 100

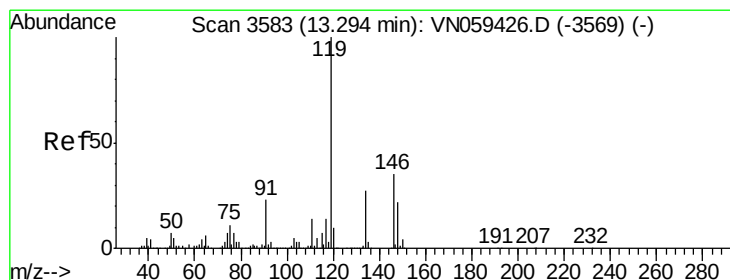
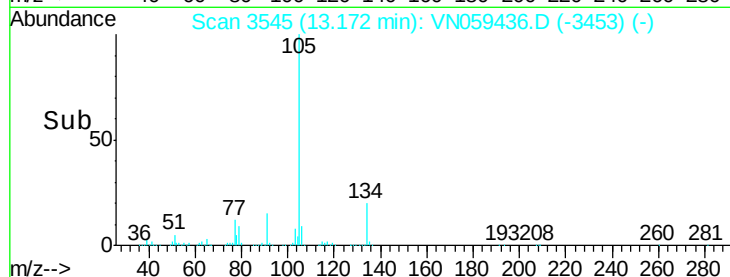
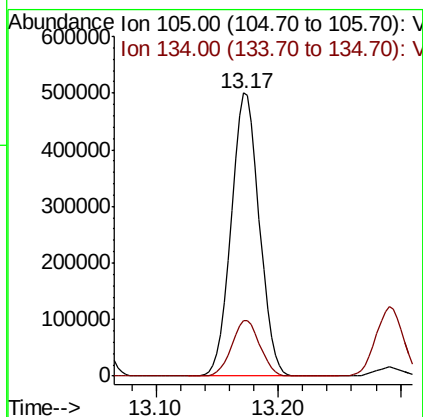
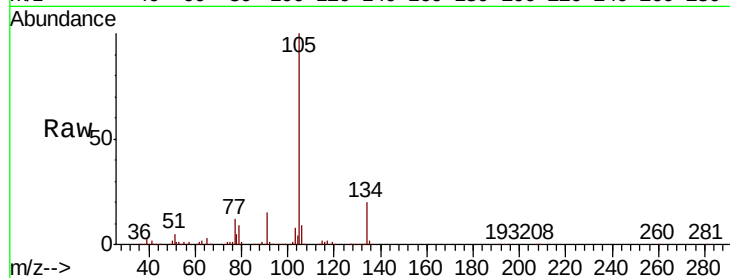
134 19.8 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 45.969 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

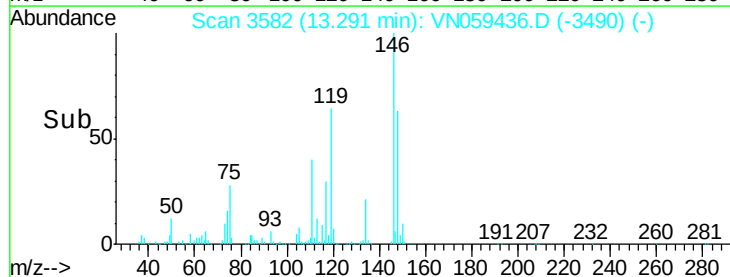
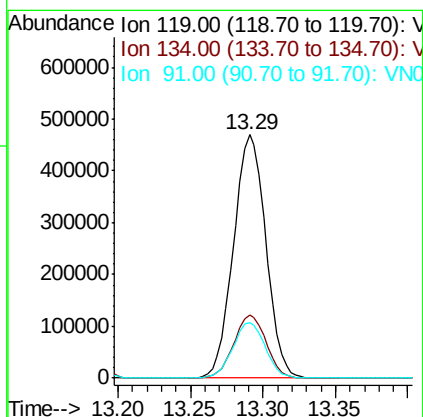
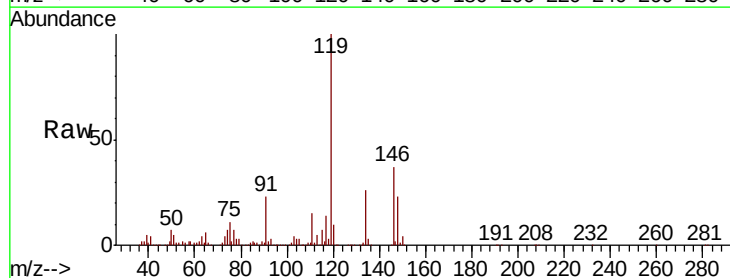
Tgt Ion:119 Resp: 725672

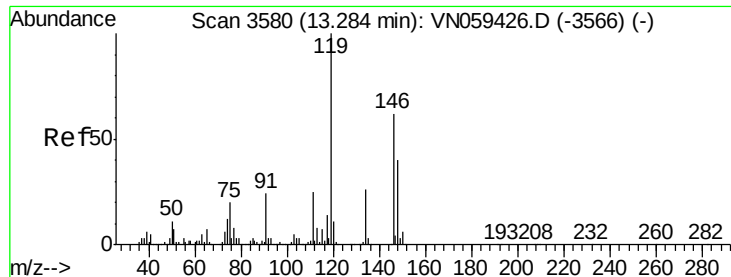
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.7 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 44.838 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059436.D

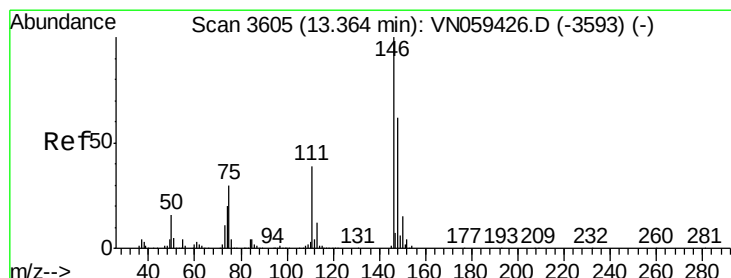
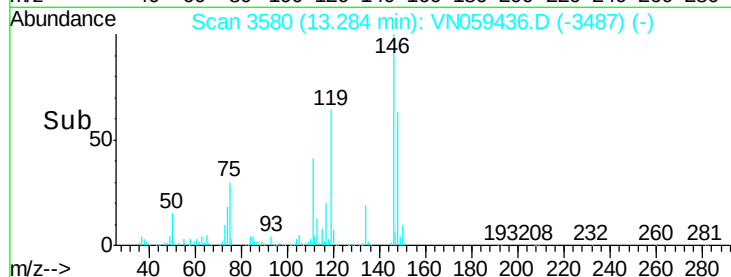
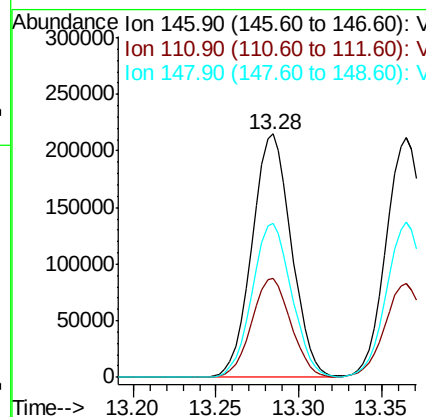
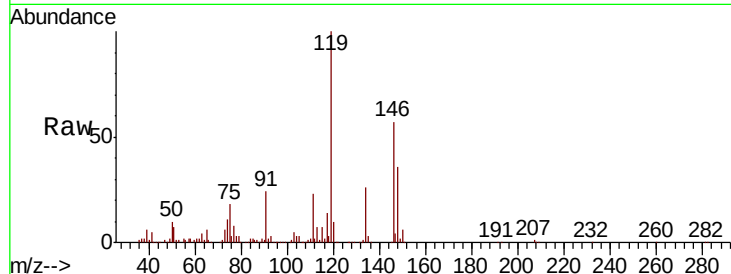
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	354415		
111	40.5	20.4	61.2	
148	63.5	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 43.772 ug/l

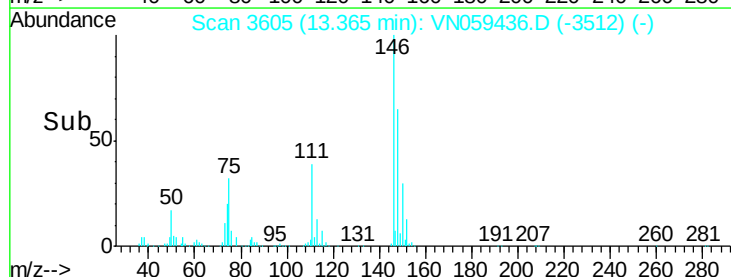
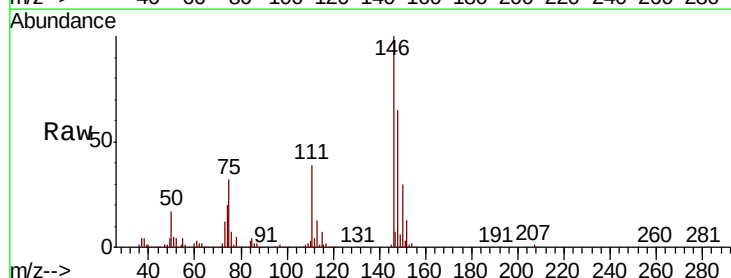
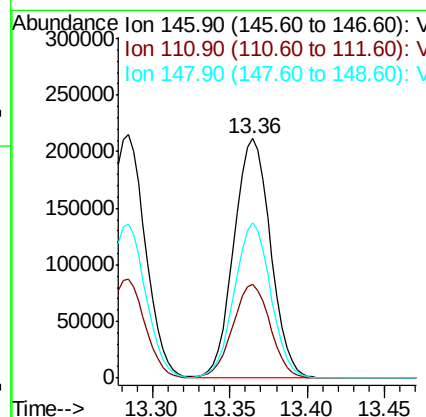
RT: 13.36 min Scan# 3605

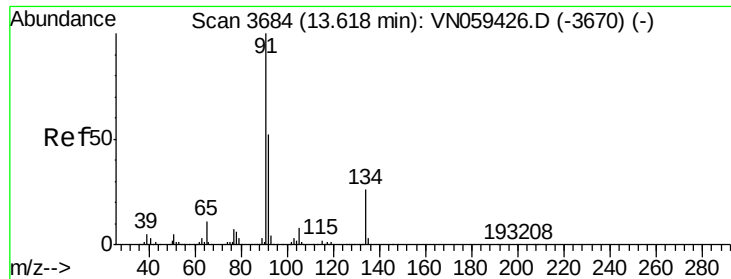
Delta R.T. 0.00 min

Lab File: VN059436.D

Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	347351		
111	40.0	19.9	59.7	
148	64.6	31.6	95.0	





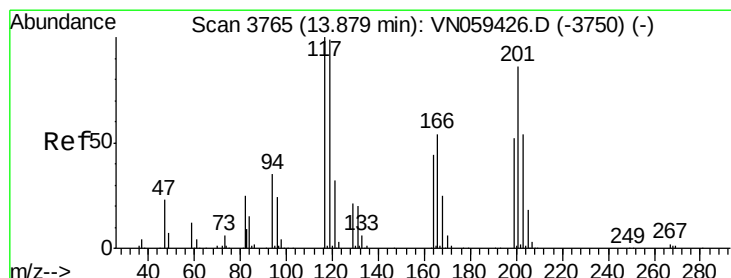
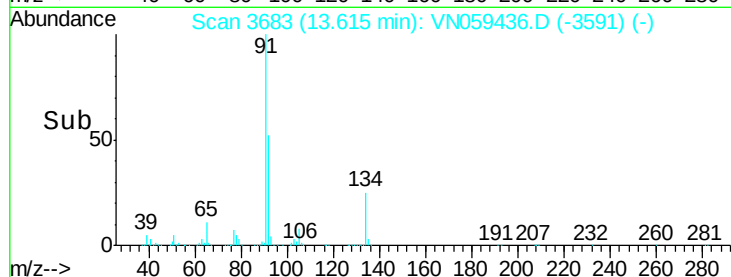
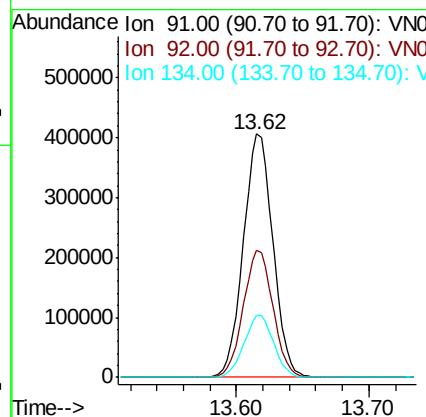
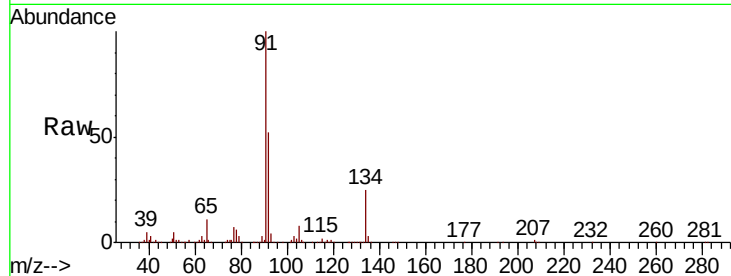
#89
n-Butylbenzene
Concen: 45.578 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	25.4	12.8	38.4

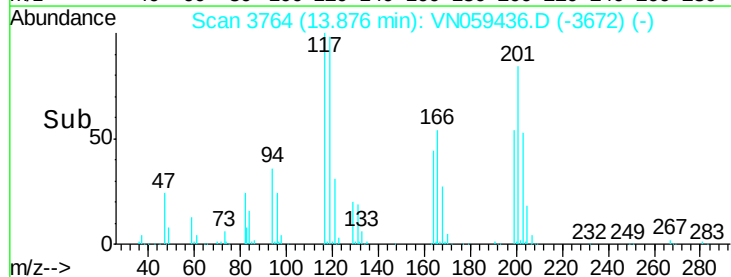
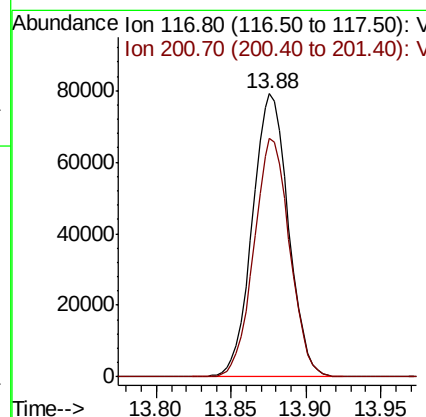
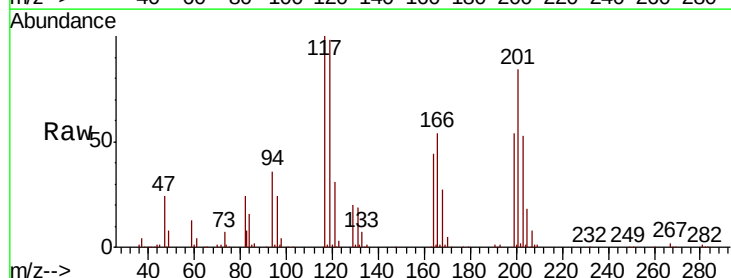
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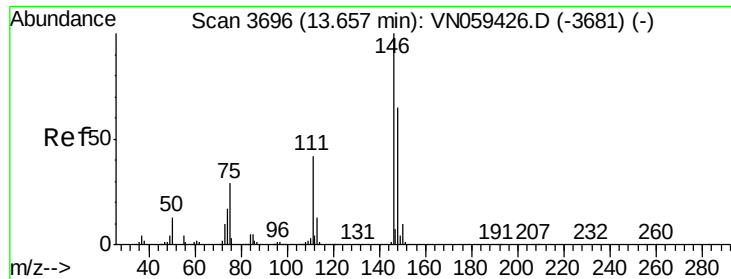
apatel
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#90
Hexachloroethane
Concen: 43.934 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	42.1	126.4





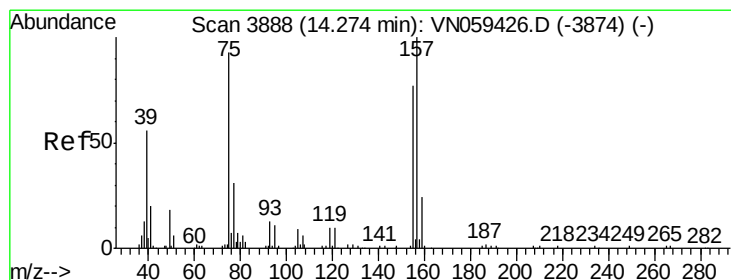
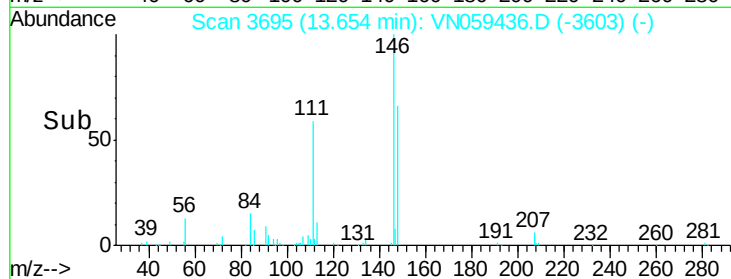
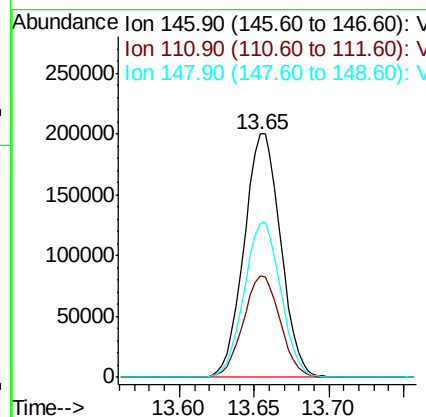
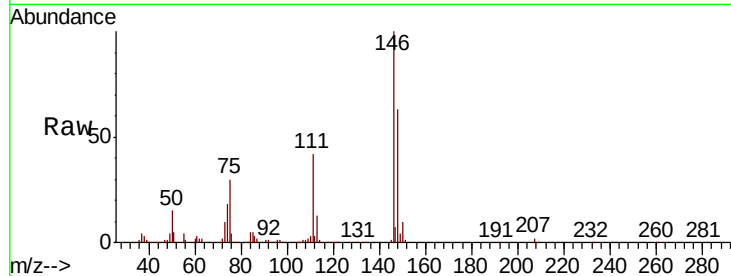
#91
 1,2-Dichlorobenzene
 Concen: 44.020 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.8	32.0	96.2

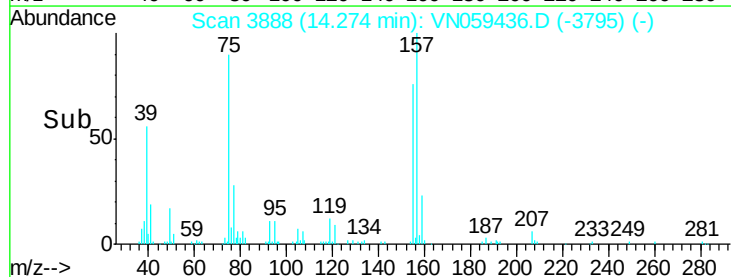
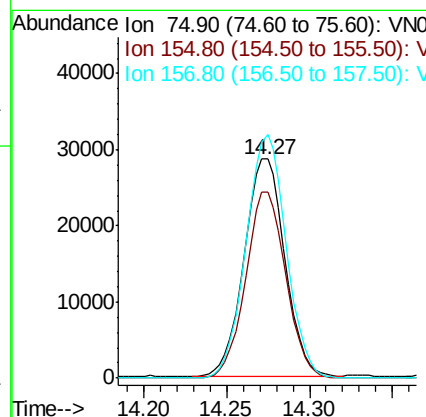
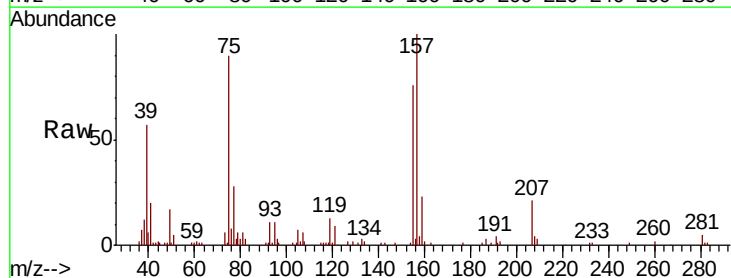
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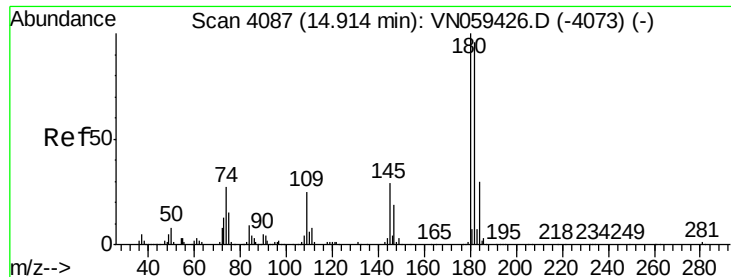
apatel
 12/2/2019 10:38:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.851 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	41.9	125.8
157	110.6	54.1	162.3





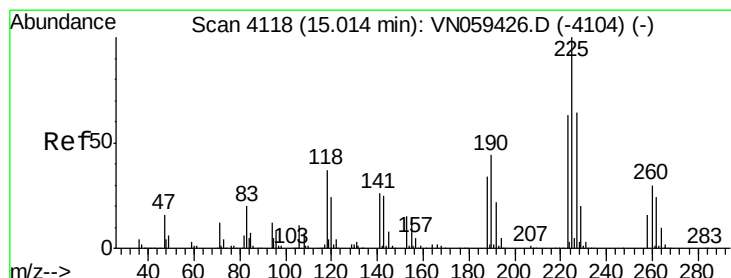
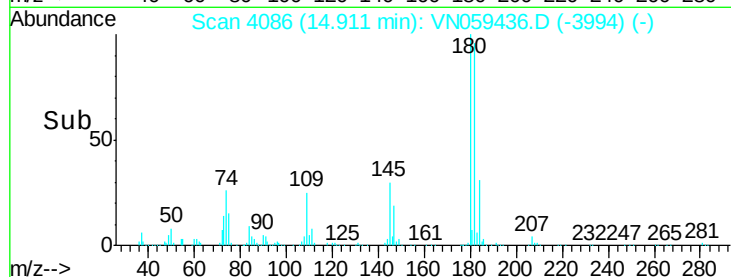
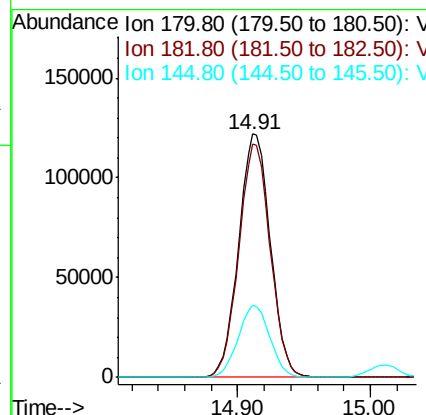
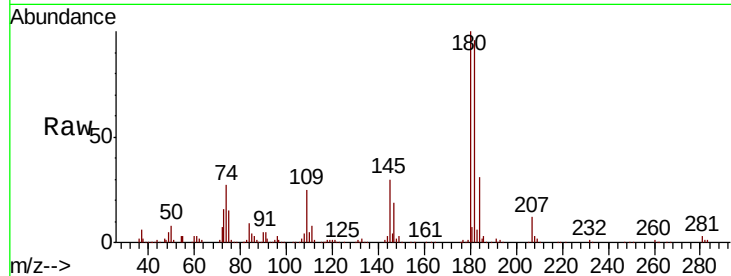
#93
 1,2,4-Trichlorobenzene
 Concen: 42.034 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	202370		
182	95.0	47.3	142.0	
145	29.6	14.8	44.4	

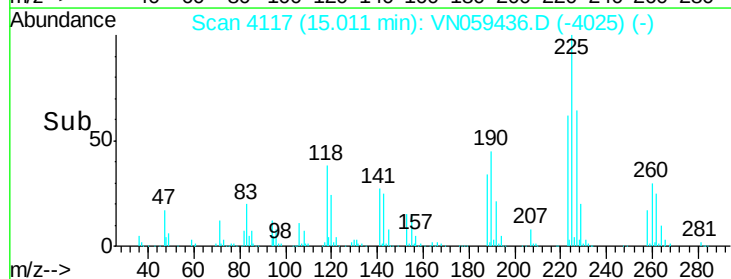
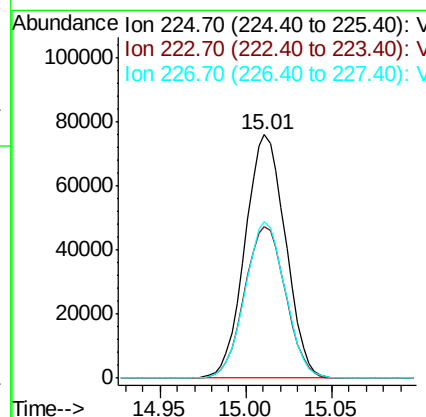
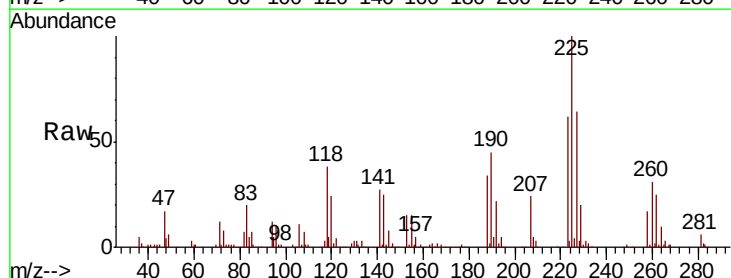
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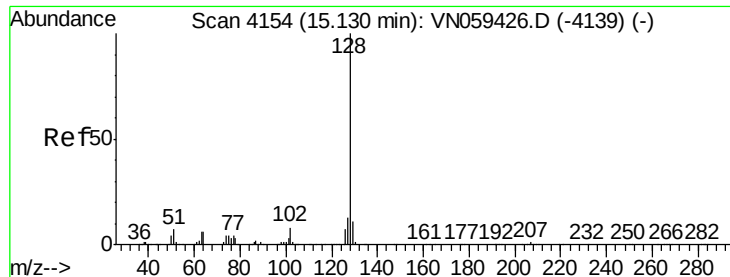
apatel
 12/2/2019 10:38:48 AM



#94
 Hexachlorobutadiene
 Concen: 42.128 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059436.D
 Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124297		
223	63.1	31.5	94.5	
227	63.6	31.9	95.7	





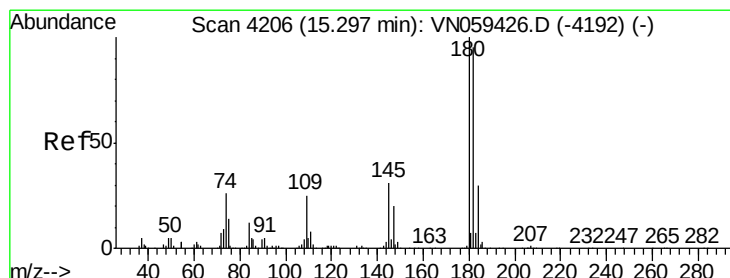
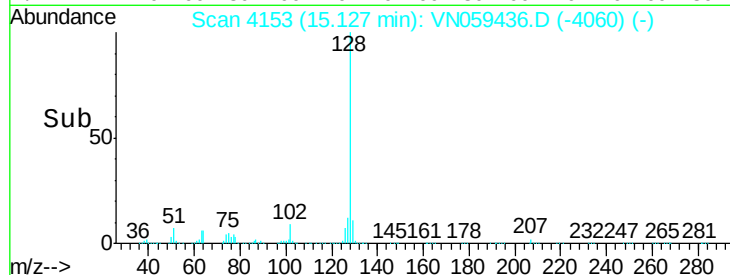
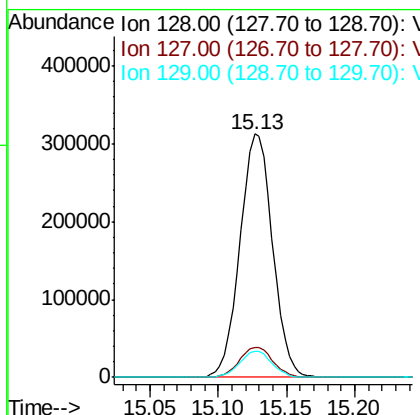
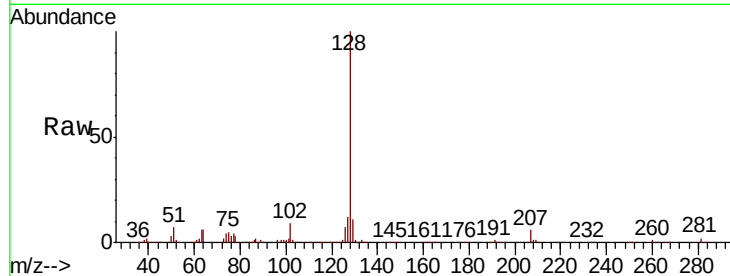
#95
Naphthalene
Concen: 48.733 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	518889		
127	12.7		10.1	15.1
129	10.6		8.6	12.8

Manual Integrations
APPROVED

apatel
12/2/2019 10:38:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.528 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059436.D
Acq: 29 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202025		
182	94.7		47.5	142.6
145	30.9		15.7	47.1

