

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059439.D
 Acq On : 29 Nov 2019 11:50
 Operator : JC/SP
 Sample : VN1129WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:38:51 AM

Quant Time: Nov 29 23:04:09 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	397807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	551391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	241712	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.57	113	197017	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	10.08	98	778169	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.40	95	272897	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91911	19.630	ug/l	99
3) Chloromethane	2.04	50	110219	19.272	ug/l	100
4) Vinyl Chloride	2.17	62	104260	18.971	ug/l	98
5) Bromomethane	2.55	94	62754	18.965	ug/l	96
6) Chloroethane	2.69	64	58993	19.144	ug/l	99
7) Trichlorofluoromethane	3.00	101	125391	19.155	ug/l	98
8) Diethyl Ether	3.39	74	50673	19.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76252	18.913	ug/l	99
10) Methyl Iodide	3.92	142	96871	18.460	ug/l	98
11) Tert butyl alcohol	4.75	59	75020	92.932	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	76780	19.446	ug/l	99
13) Acrolein	3.58	56	79648	101.073	ug/l	98
14) Allyl chloride	4.29	41	137882	18.829	ug/l	97
15) Acrylonitrile	4.95	53	215302	95.714	ug/l	100
16) Acetone	3.79	43	232641	104.795	ug/l	99
17) Carbon Disulfide	4.03	76	242705	17.913	ug/l	99
18) Methyl Acetate	4.29	43	111801	18.493	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	251201	19.743	ug/l	100
20) Methylene Chloride	4.52	84	86064	19.079	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	82019	19.066	ug/l	97
22) Diisopropyl ether	5.92	45	270552	19.882	ug/l	94
23) Vinyl Acetate	5.86	43	1095311	99.768	ug/l	100
24) 1,1-Dichloroethane	5.82	63	154812	19.773	ug/l	100
25) 2-Butanone	6.81	43	297769	97.501	ug/l	99
26) 2,2-Dichloropropane	6.80	77	129187	19.388	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	90157	19.163	ug/l	99
28) Bromochloromethane	7.17	49	67019	20.778	ug/l	99
29) Tetrahydrofuran	7.18	42	192669	94.857	ug/l	99
30) Chloroform	7.35	83	166841	21.176	ug/l	98
31) Cyclohexane	7.63	56	148162	18.876	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	124798	19.369	ug/l	98
36) 1,1-Dichloropropene	7.77	75	114668	19.351	ug/l	100
37) Ethyl Acetate	6.90	43	117687	18.771	ug/l	99
38) Carbon Tetrachloride	7.75	117	111631	19.961	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	136293	19.225	ug/l	100
40) Benzene	8.02	78	343295	19.511	ug/l	98
41) Methacrylonitrile	7.16	41	52203m	17.881	ug/l	
42) 1,2-Dichloroethane	8.10	62	112461	20.158	ug/l	100
43) Isopropyl Acetate	8.14	43	185383	19.464	ug/l	100
44) Trichloroethene	8.82	130	88966	19.831	ug/l	99
45) 1,2-Dichloropropane	9.10	63	91221	19.821	ug/l	100
46) Dibromomethane	9.19	93	54939	19.344	ug/l	98
47) Bromodichloromethane	9.39	83	114015	19.849	ug/l	99
48) Methyl methacrylate	9.19	41	80163	18.971	ug/l	98
49) 1,4-Dioxane	9.19	88	26251	425.357	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	553310	100.154	ug/l	99
52) Toluene	10.15	92	206571	19.652	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	127869	19.373	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141581	19.870	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80714	19.618	ug/l	98
56) Ethyl methacrylate	10.42	69	116472	20.783	ug/l	98
57) 1,3-Dichloropropane	10.70	76	137655	19.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	226639	128.563	ug/l	100
59) 2-Hexanone	10.74	43	403478	98.491	ug/l	100
60) Dibromochloromethane	10.90	129	85222	19.843	ug/l	99
61) 1,2-Dibromoethane	11.00	107	82726	19.622	ug/l	99
64) Tetrachloroethene	10.63	164	81407	19.961	ug/l	98
65) Chlorobenzene	11.43	112	214531	19.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	78566	19.408	ug/l	99
67) Ethyl Benzene	11.51	91	385591	19.666	ug/l	99
68) m/p-Xylenes	11.62	106	287874	39.325	ug/l	99
69) o-Xylene	11.95	106	137039	19.520	ug/l	100
70) Styrene	11.96	104	215150	20.668	ug/l	100
71) Bromoform	12.13	173	59780	19.394	ug/l #	99
73) Isopropylbenzene	12.25	105	366701	19.521	ug/l	100
74) N-amyl acetate	12.07	43	135093	20.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	115583	18.868	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115100m	20.065	ug/l	
77) Bromobenzene	12.53	156	90720	19.726	ug/l	97
78) n-propylbenzene	12.59	91	423209	19.550	ug/l	100
79) 2-Chlorotoluene	12.67	91	252202	19.487	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	307311	19.462	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40068	17.947	ug/l	97
82) 4-Chlorotoluene	12.77	91	253084	19.006	ug/l	100
83) tert-Butylbenzene	12.99	119	260934	19.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	301881	19.516	ug/l	99
85) sec-Butylbenzene	13.17	105	349309	19.400	ug/l	100
86) p-Isopropyltoluene	13.29	119	315531	19.384	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	156295	19.176	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	153777	18.793	ug/l	98
89) n-Butylbenzene	13.62	91	266042	18.697	ug/l	100
90) Hexachloroethane	13.88	117	57214	18.390	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	152374	19.079	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21463	19.906	ug/l	99

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	84904	17.102	ug/l	100
94) Hexachlorobutadiene	15.01	225	53752	17.668	ug/l	99
95) Naphthalene	15.13	128	210611	20.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	84278	20.397	ug/l	99

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

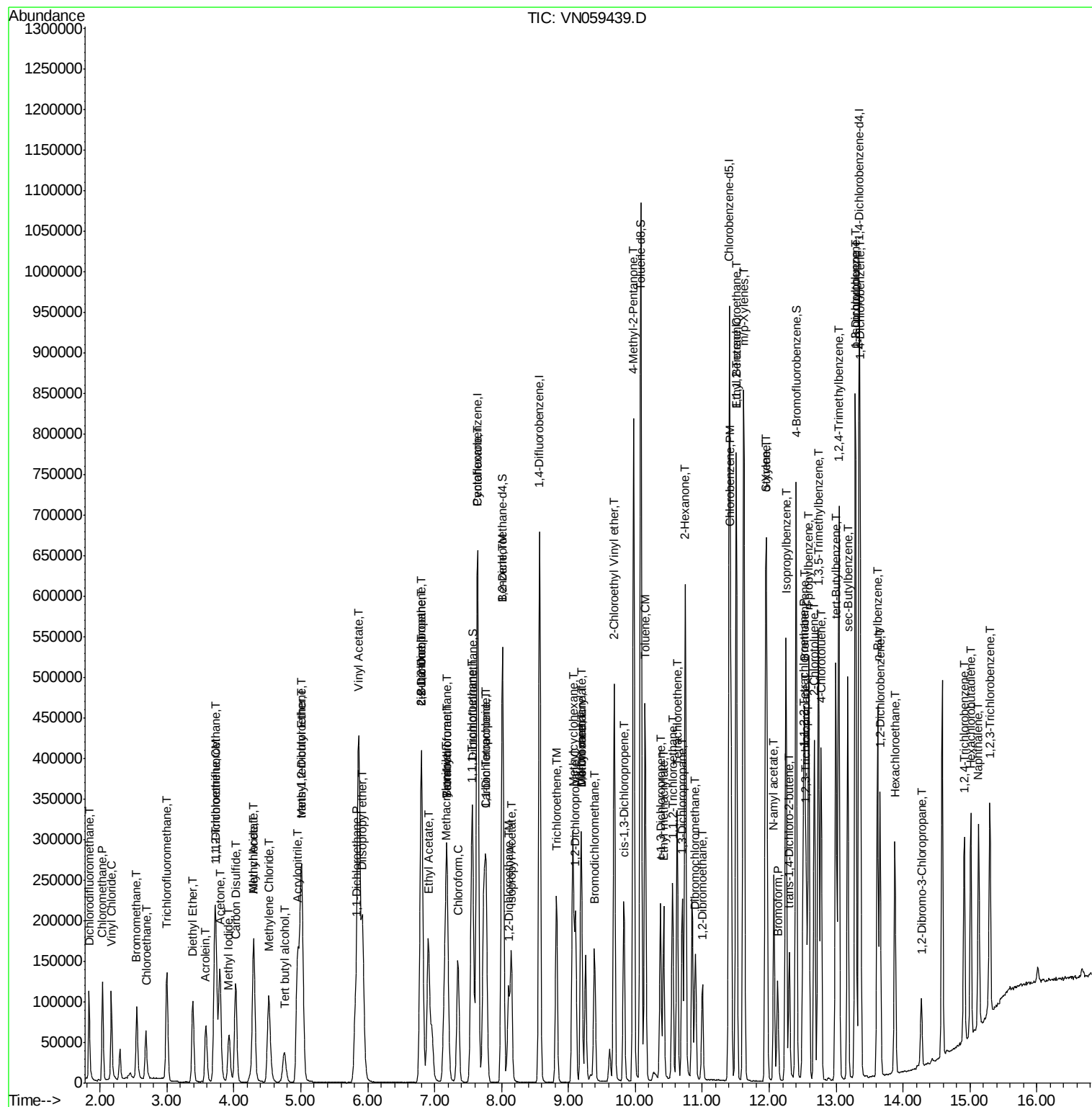
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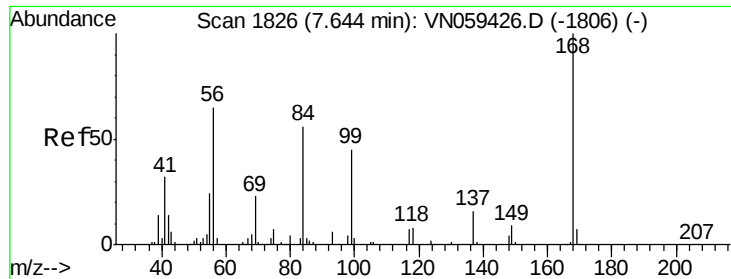
Instrument :
MSVOA_N
Client Sample Id :
VN1129WBS01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion:168 Resp: 397807

Ion Ratio Lower Upper

168 100

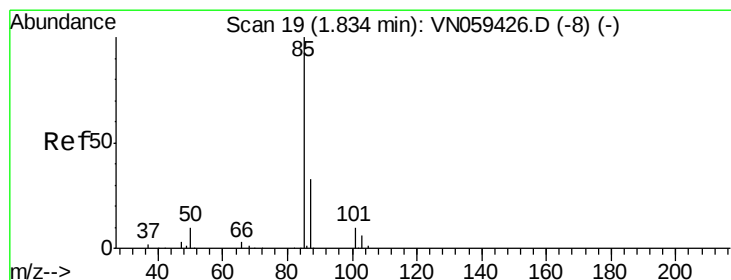
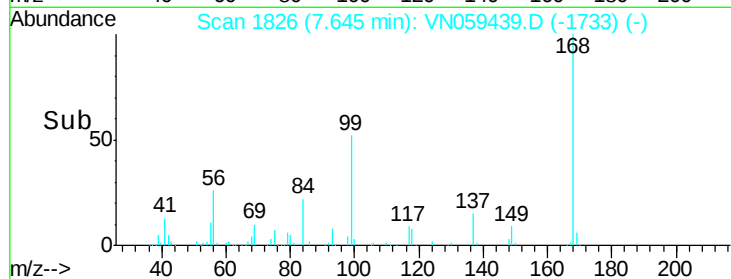
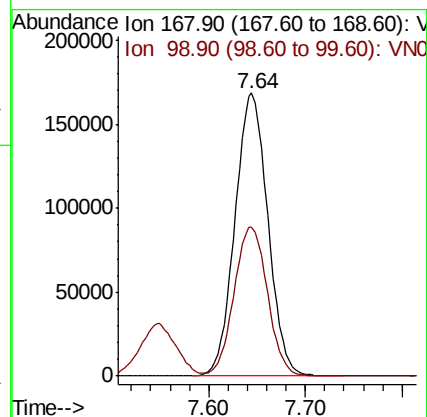
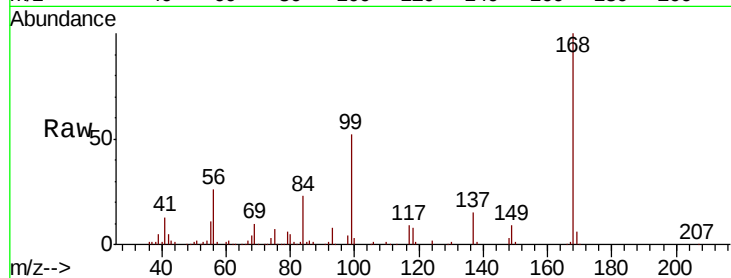
99 52.3 43.0 64.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.630 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059439.D

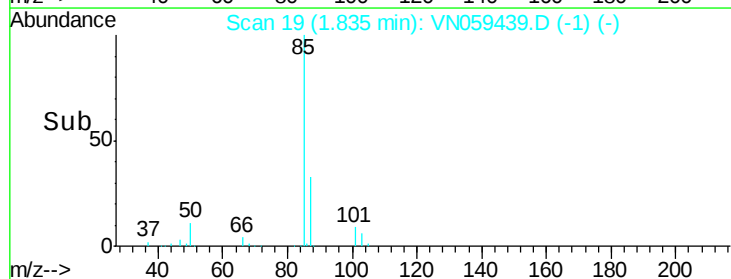
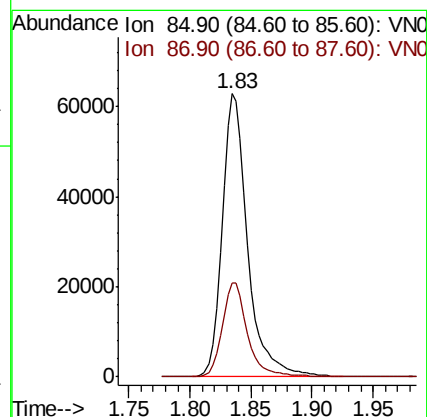
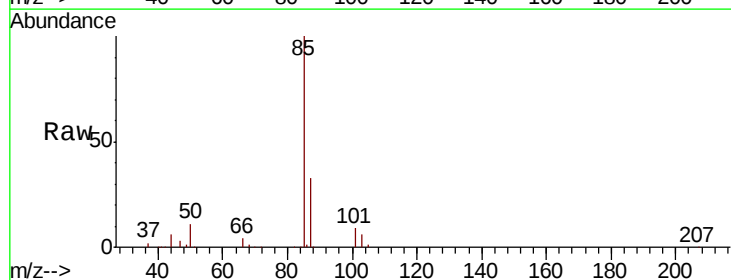
Acq: 29 Nov 2019 11:50

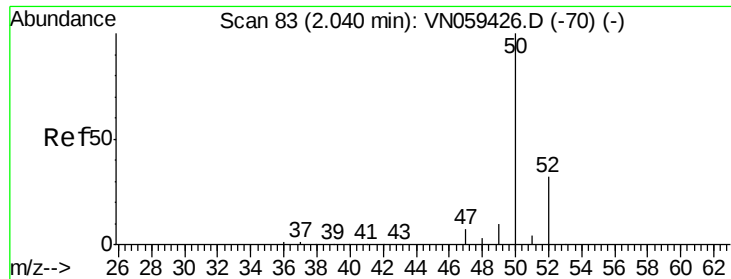
Tgt Ion: 85 Resp: 91911

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.2





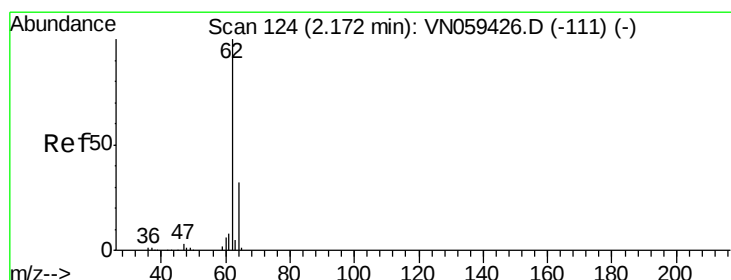
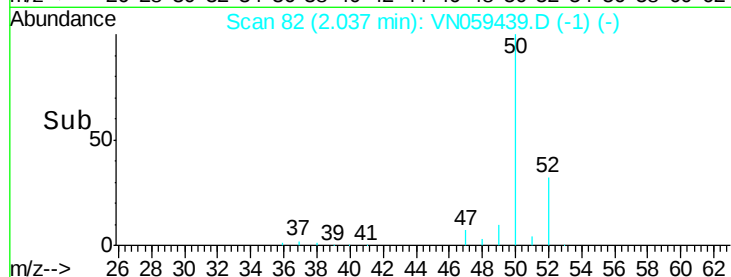
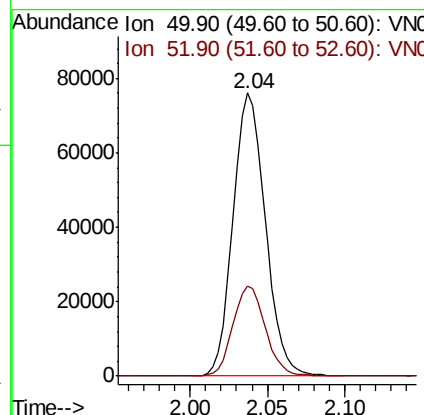
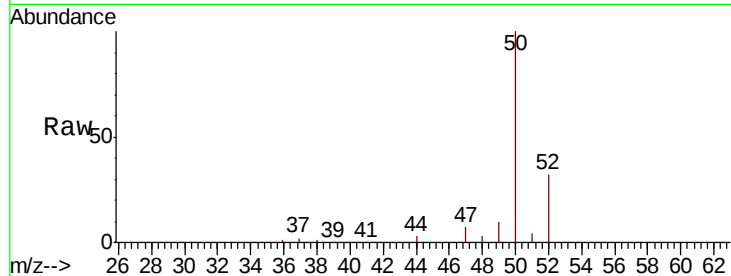
#3
Chloromethane
Concen: 19.272 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.8	38.6

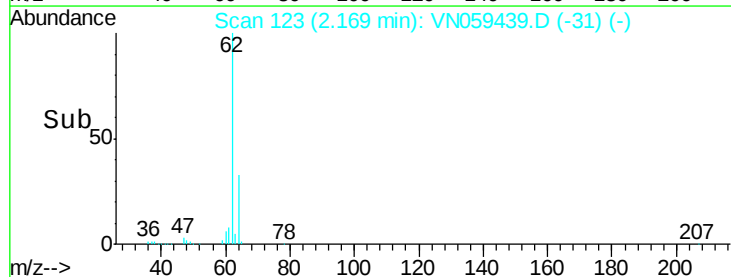
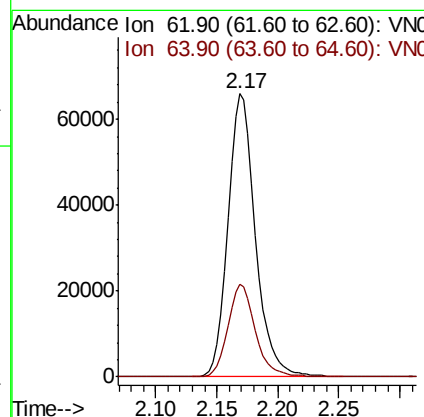
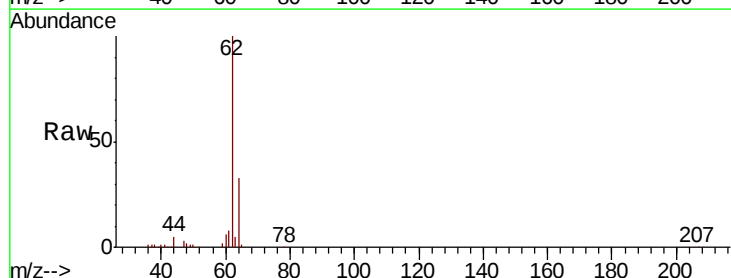
Manual Integrations
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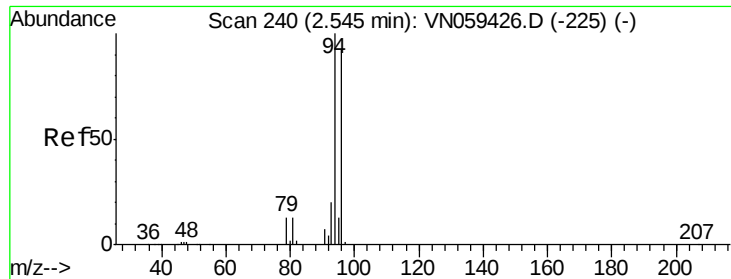
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#4
Vinyl Chloride
Concen: 18.971 ug/l
RT: 2.17 min Scan# 123
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.2	37.8





#5

Bromomethane

Concen: 18.965 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion: 94 Resp: 62754

Ion Ratio Lower Upper

94 100

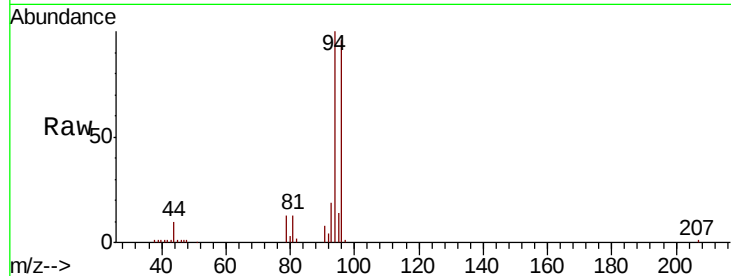
96 95.6 73.8 110.6

Manual Integrations

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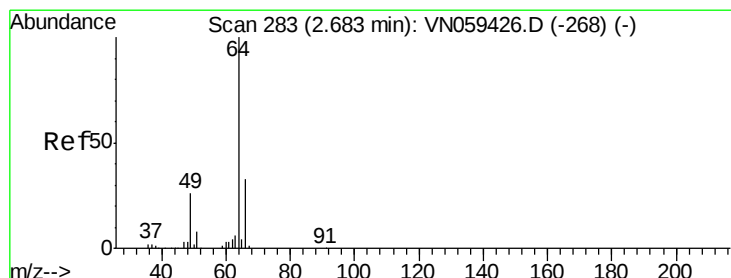
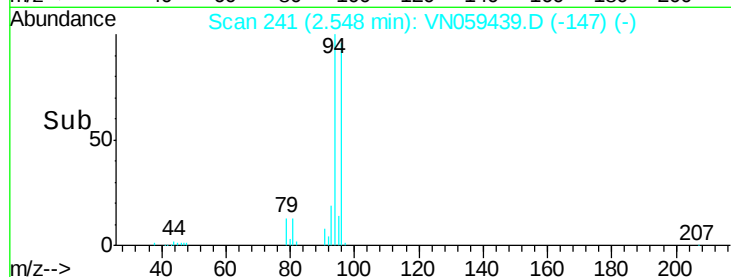
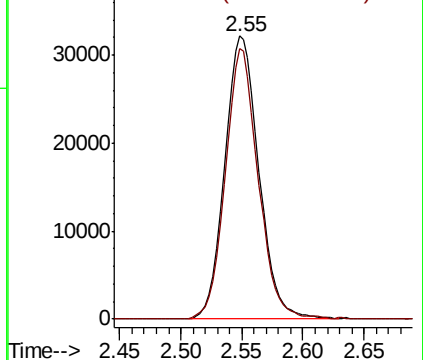
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.144 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059439.D

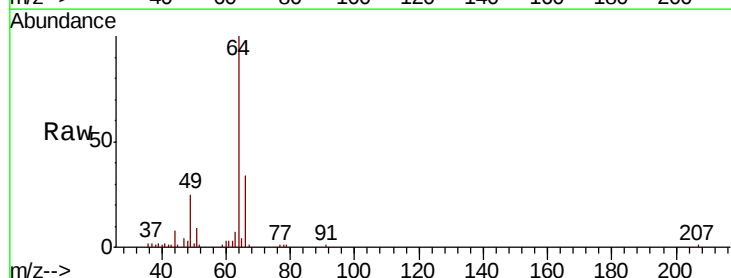
Acq: 29 Nov 2019 11:50

Tgt Ion: 64 Resp: 58993

Ion Ratio Lower Upper

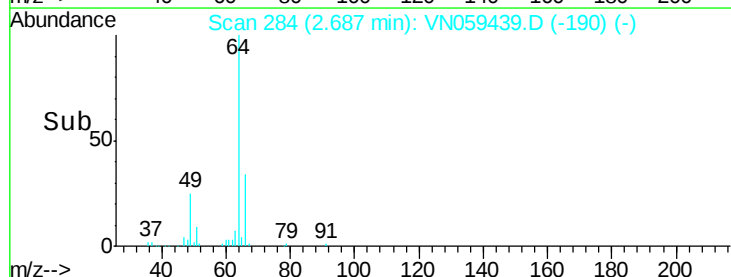
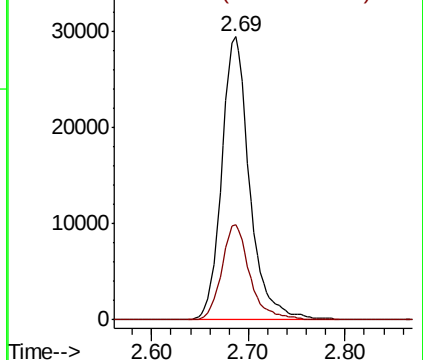
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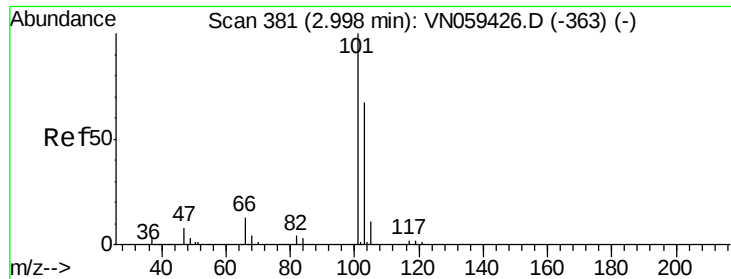
66 33.5 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

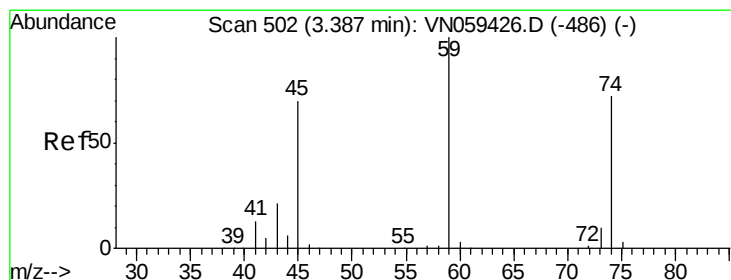
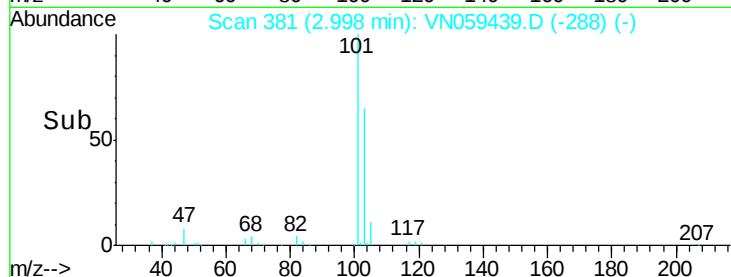
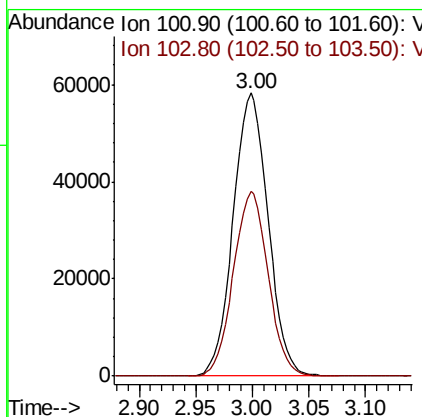
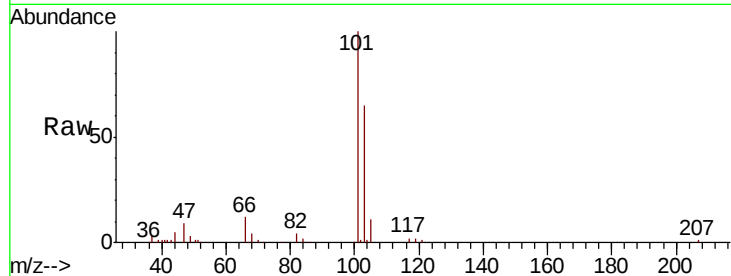
Trichlorofluoromethane
 Concen: 19.155 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		125391		
103	65.4	53.6	80.4		

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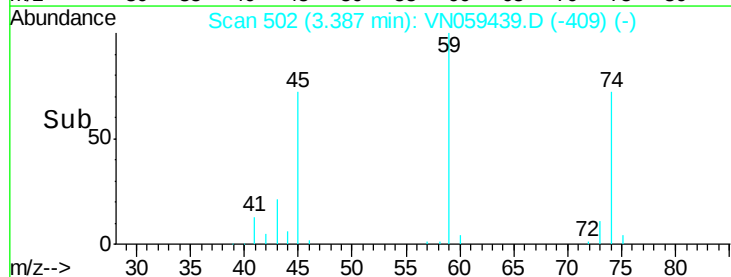
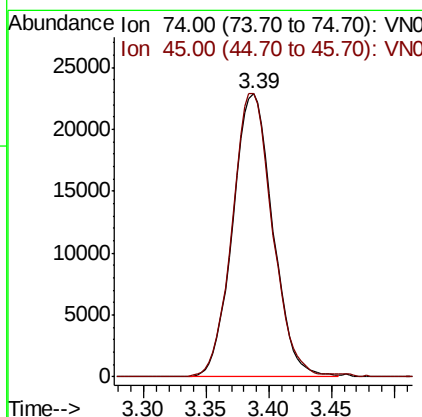
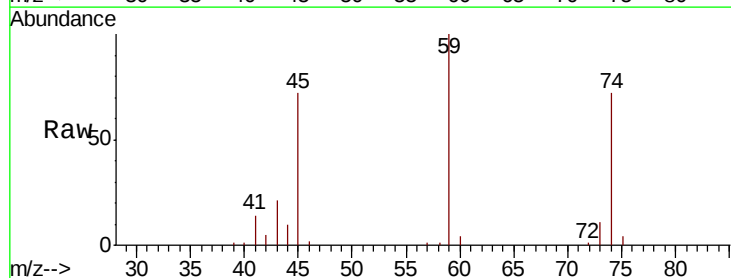
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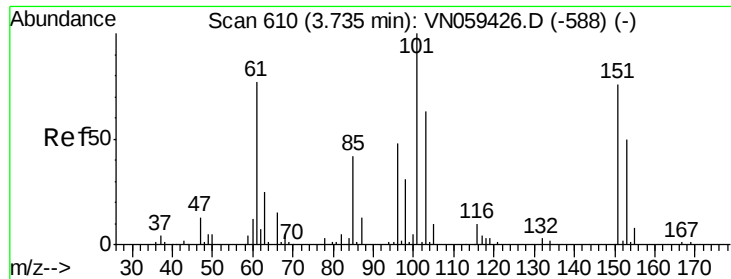


#8

Diethyl Ether
 Concen: 19.020 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		50673		
45	100.4	49.7	149.1		





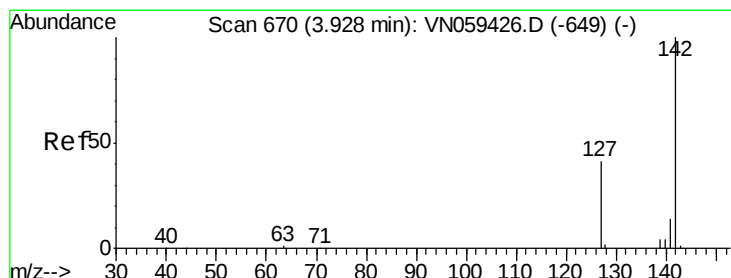
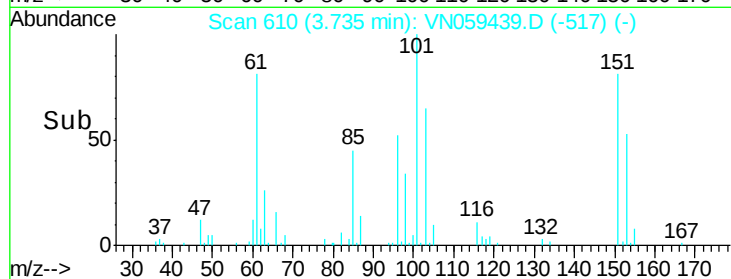
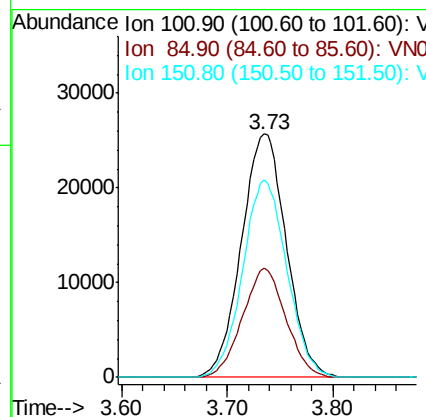
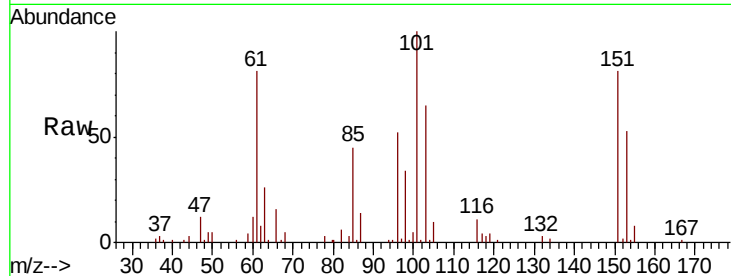
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.913 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	76252		
85	43.1		34.2	51.2
151	79.5		62.6	93.8

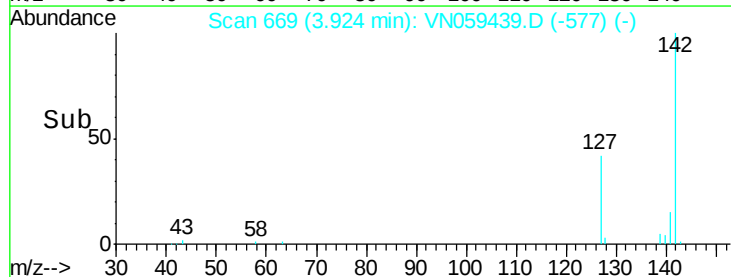
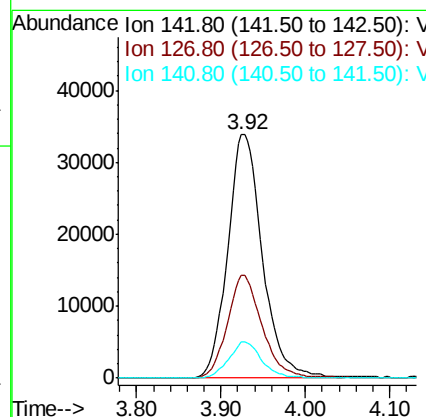
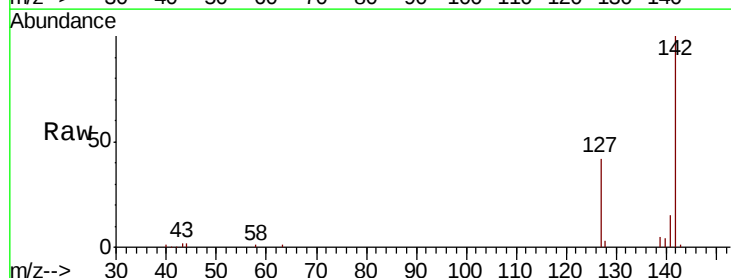
Manual Integrations
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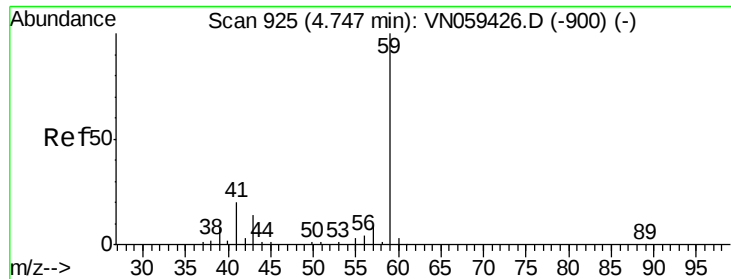
apatel
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#10
 Methyl Iodide
 Concen: 18.460 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	96871		
127	42.1		32.6	48.8
141	13.9		11.1	16.7





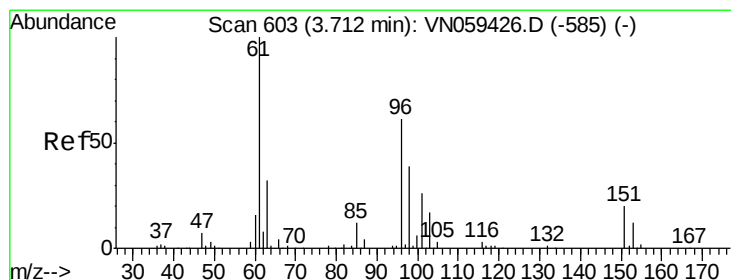
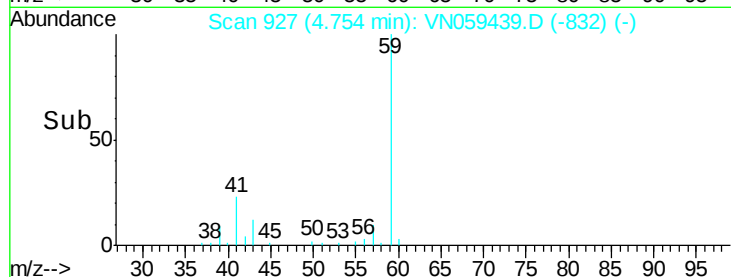
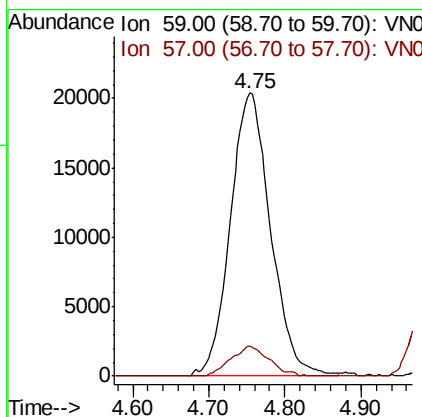
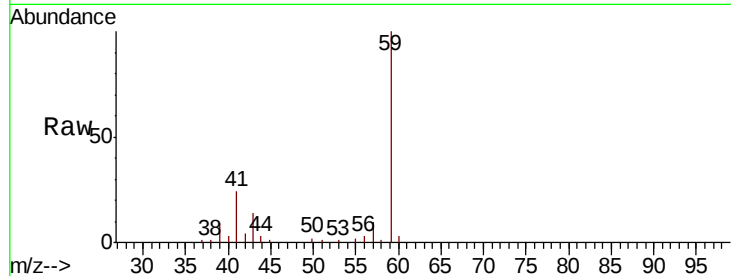
#11
Tert butyl alcohol
Concen: 92.932 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion: 59 Resp: 75020
Ion Ratio Lower Upper
59 100
57 10.0 3.8 5.8#

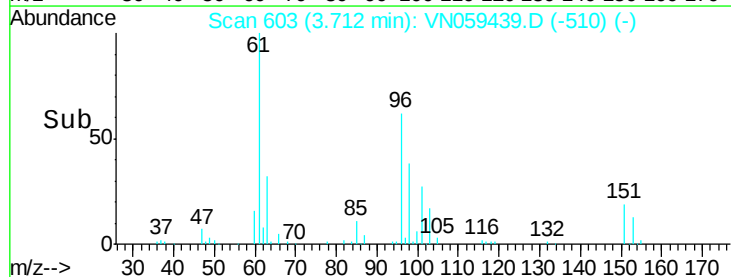
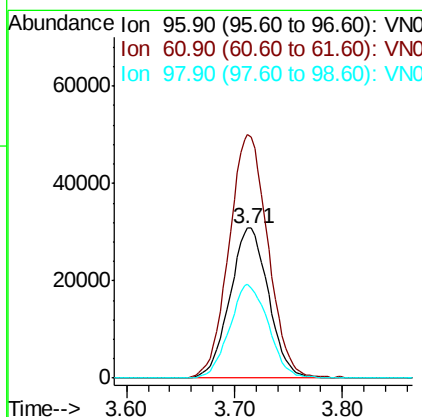
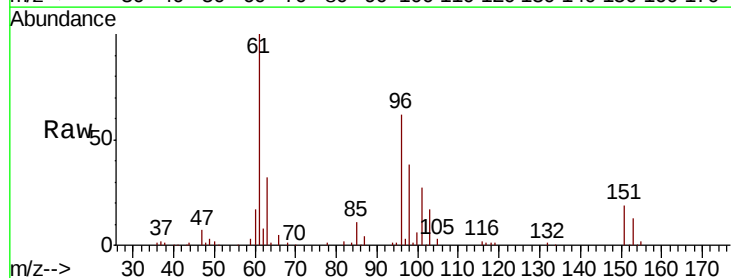
Manual Integrations
APPROVED

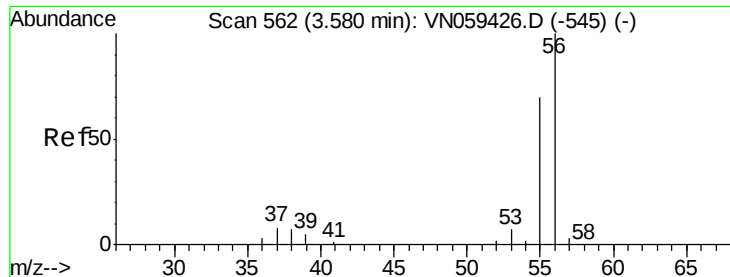
apatel
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#12
1,1-Dichloroethene
Concen: 19.446 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 96 Resp: 76780
Ion Ratio Lower Upper
96 100
61 161.9 130.5 195.7
98 62.5 51.3 76.9





#13

Acrolein

Concen: 101.073 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion: 56 Resp: 79648

Ion Ratio Lower Upper

56 100

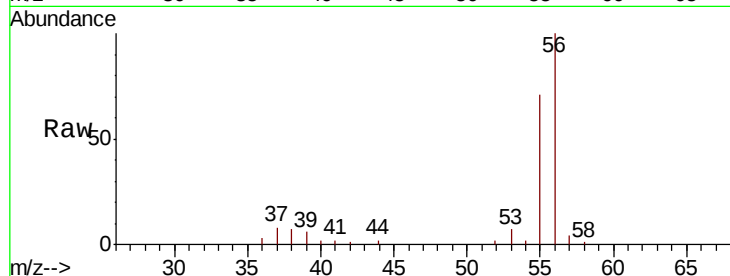
55 70.4 57.8 86.6

Manual Integrations

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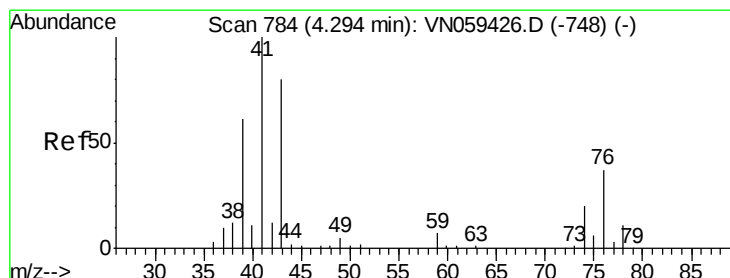
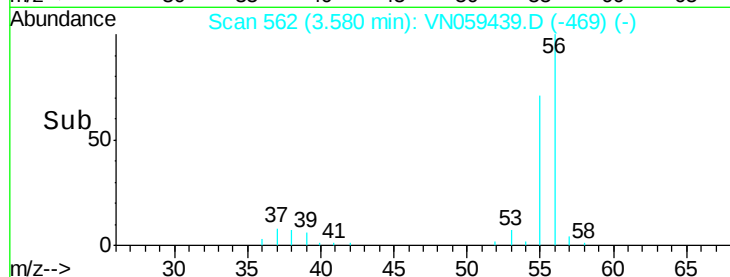
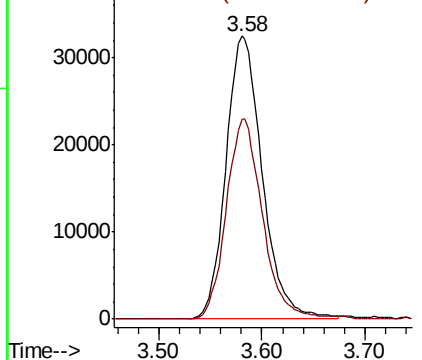
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.829 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

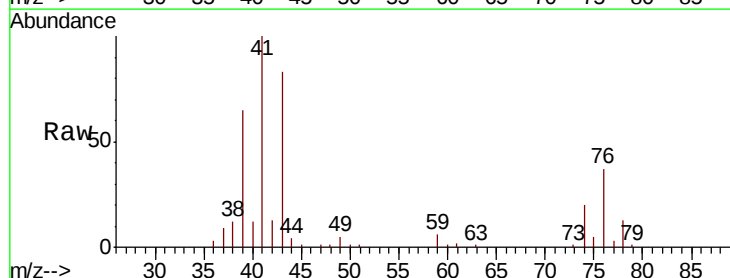
Tgt Ion: 41 Resp: 137882

Ion Ratio Lower Upper

41 100

39 61.1 46.5 69.7

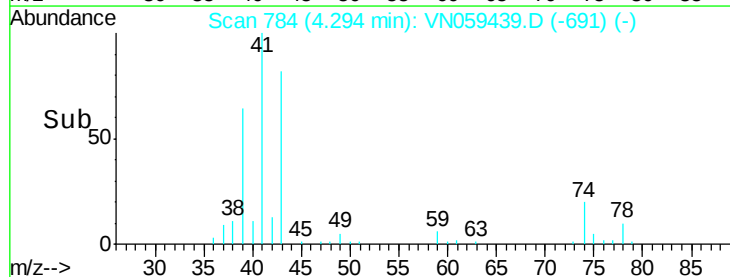
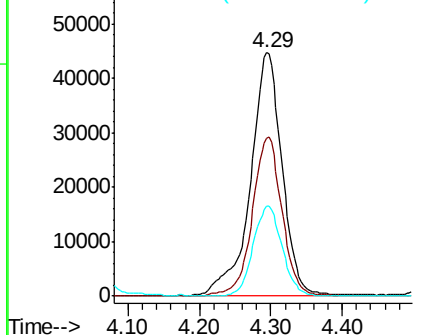
76 33.8 26.8 40.2

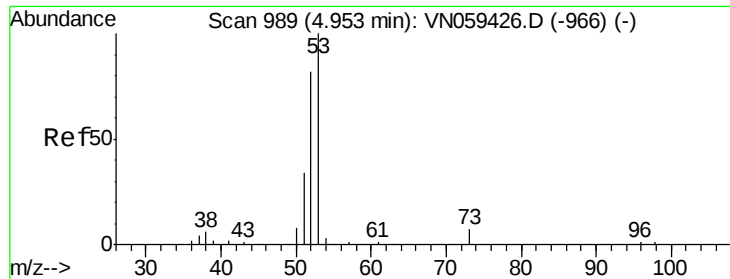


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.714 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

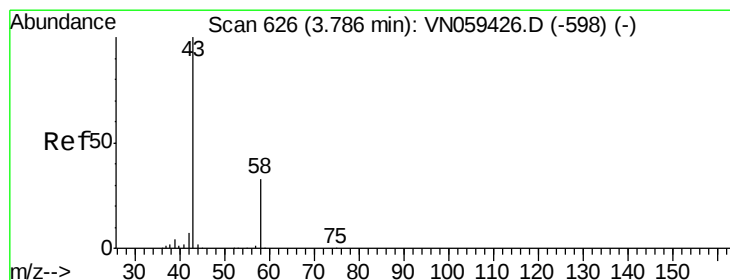
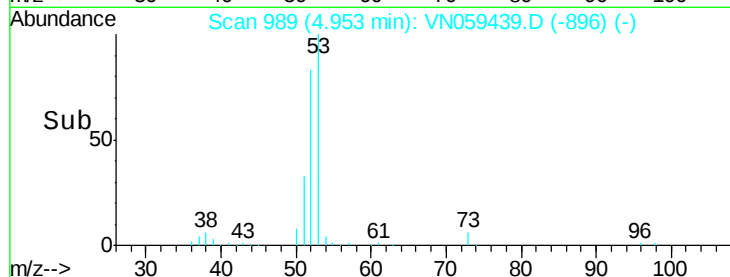
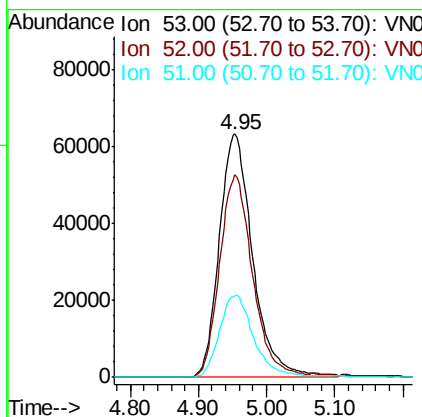
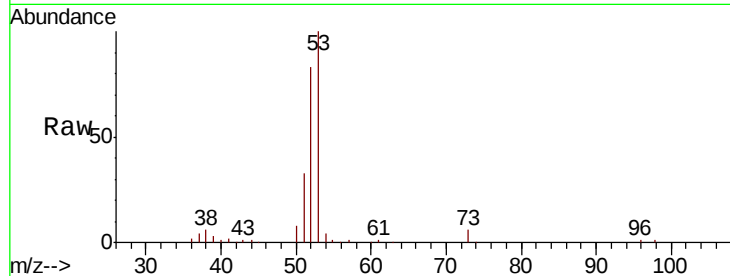
ClientSampled :

VN1129WBS01

Tot Ion:	53	Resp:	215302
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.1	97.7
51	34.6	27.8	41.8

Manual Integrations
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#16

Acetone

Concen: 104.795 ug/l

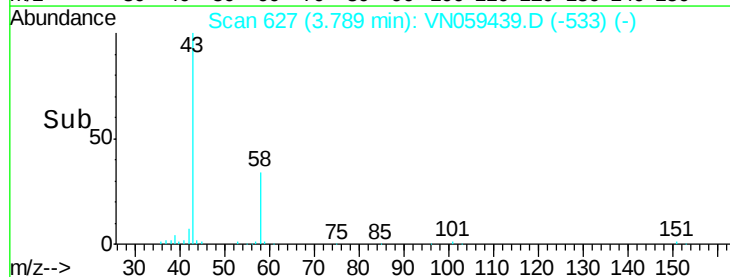
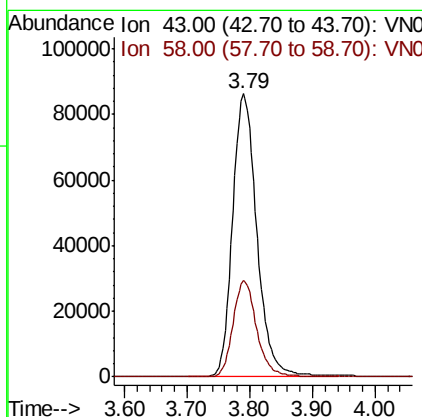
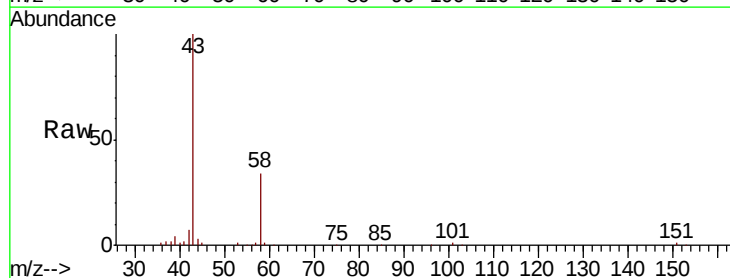
RT: 3.79 min Scan# 627

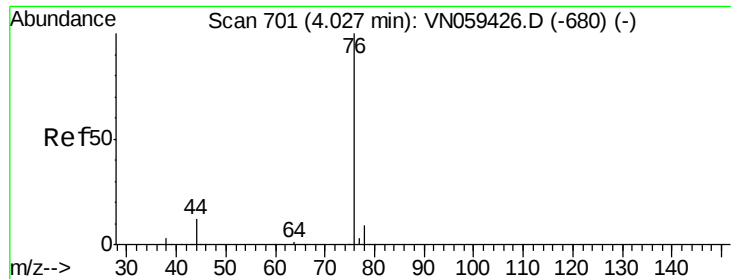
Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion:	43	Resp:	232641
Ion Ratio	Lower	Upper	
43	100		
58	34.0	26.6	39.8





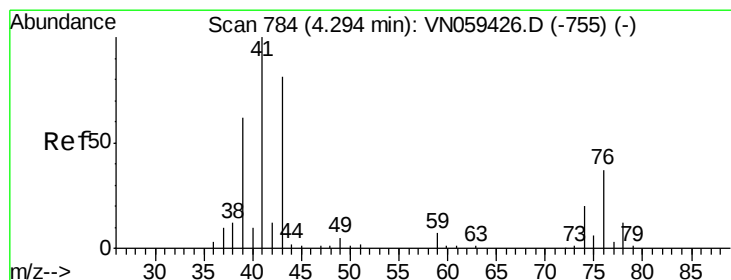
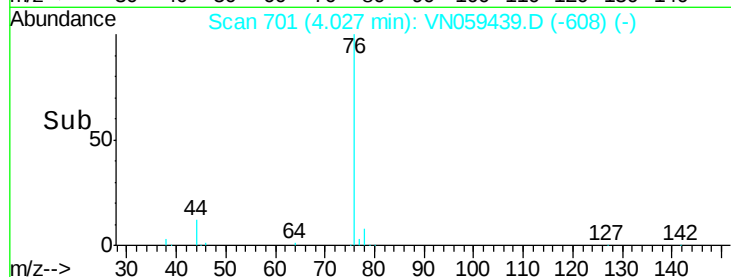
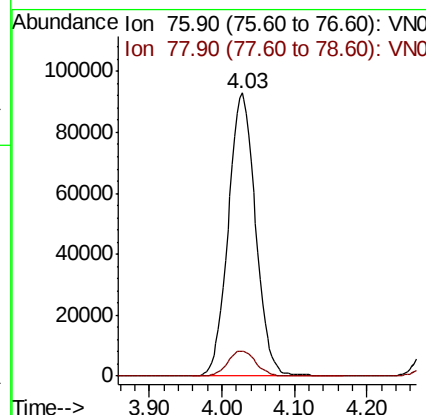
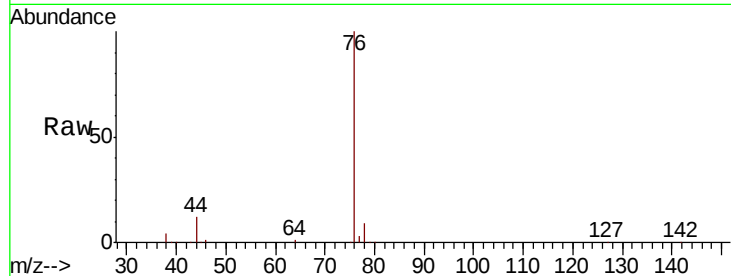
#17
Carbon Disulfide
Concen: 17.913 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

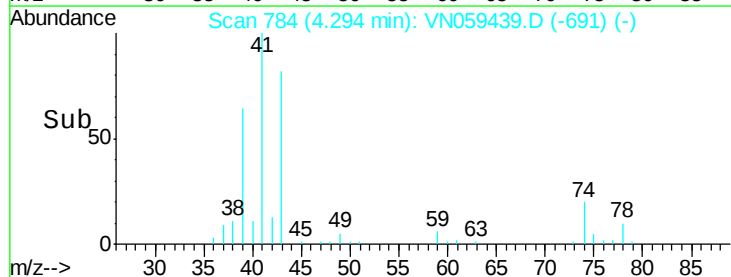
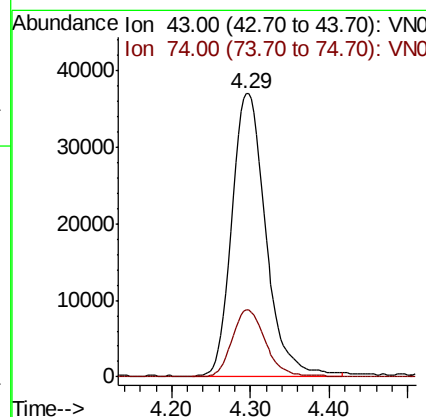
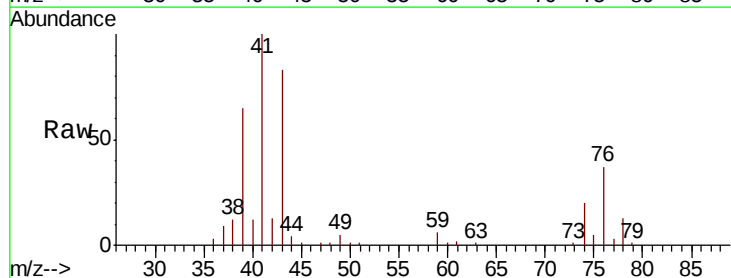
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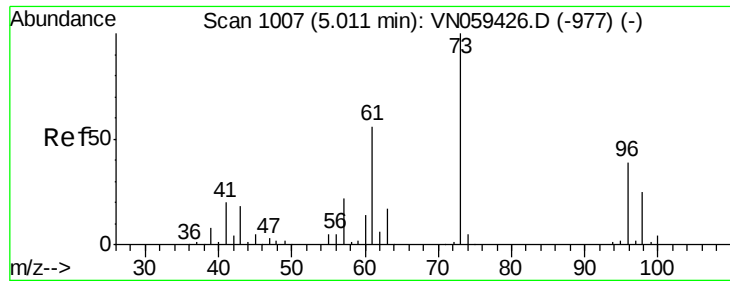
apatel
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#18
Methyl Acetate
Concen: 18.493 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.6	28.0





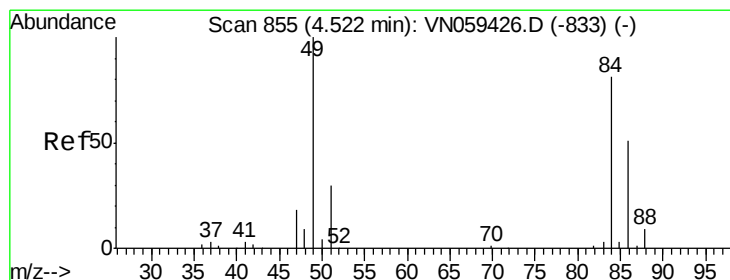
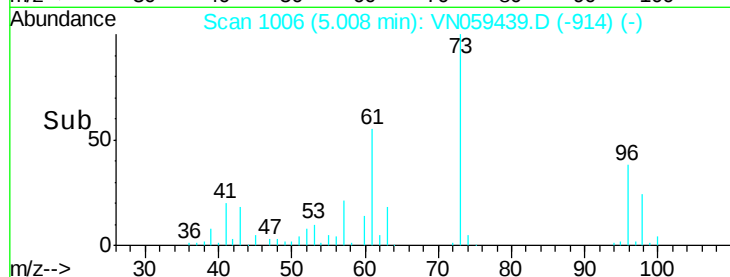
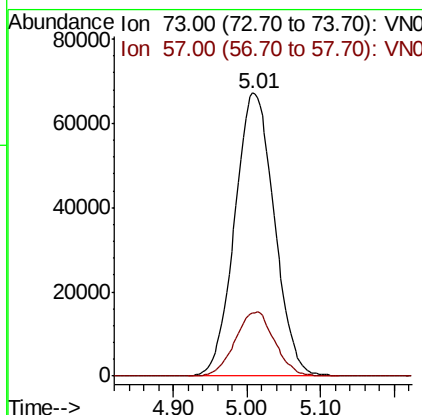
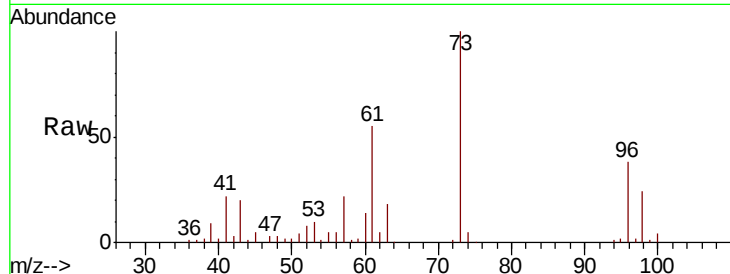
#19
Methvl tert-butvl Ether
Concen: 19.743 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion: 73 Resp: 251201
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

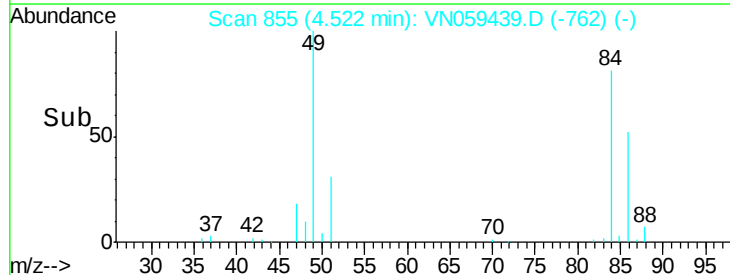
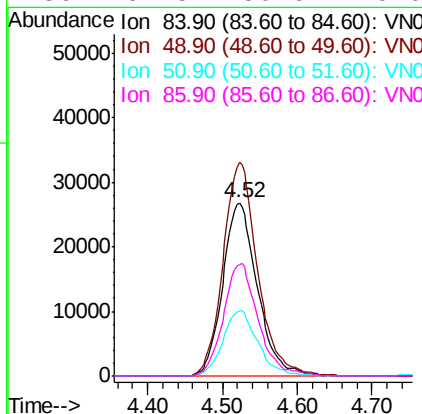
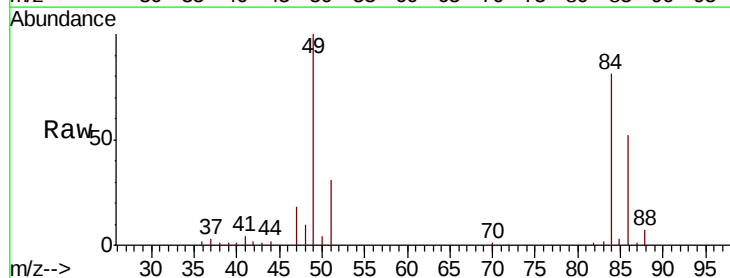
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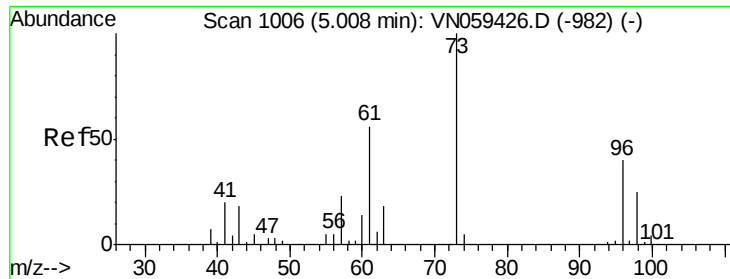
apatel
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#20
Methylene Chloride
Concen: 19.079 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 84 Resp: 86064
Ion Ratio Lower Upper
84 100
49 123.2 98.6 148.0
51 37.6 29.4 44.0
86 64.5 50.6 76.0





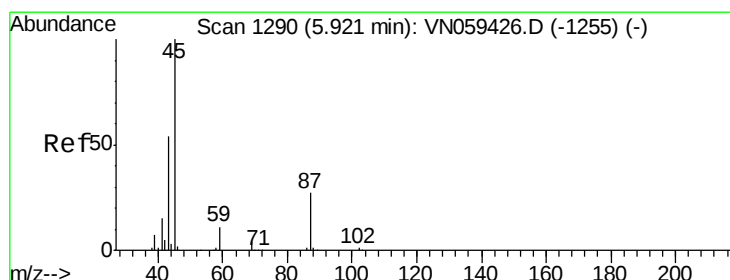
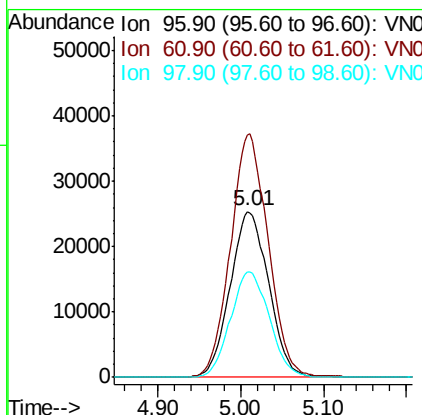
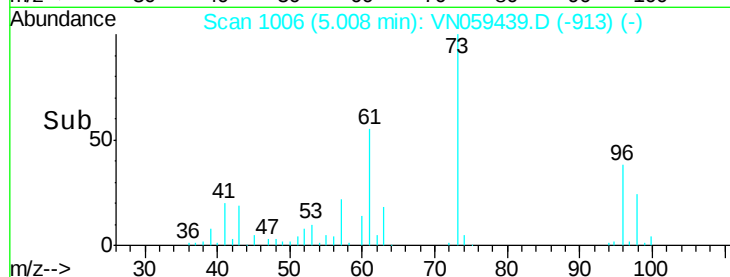
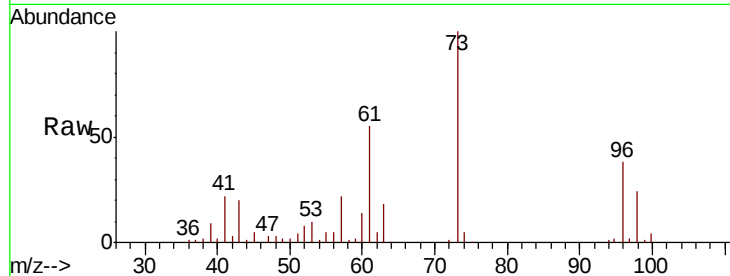
#21
trans-1,2-Dichloroethene
Concen: 19.066 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	114.0	171.0
98	64.0	50.5	75.7

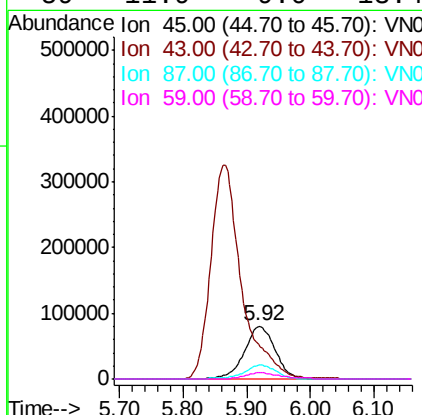
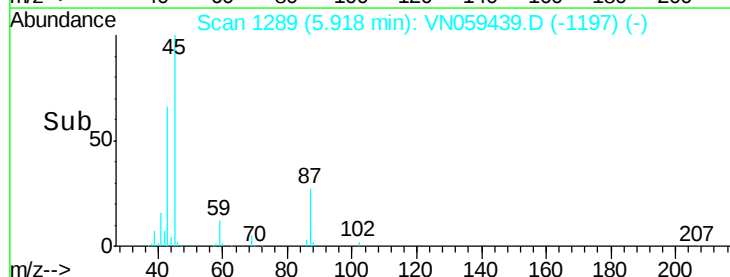
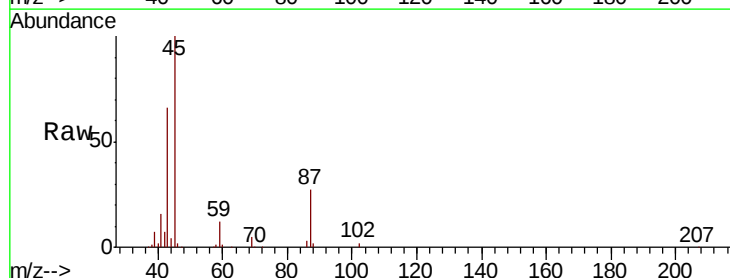
Manual Integrations
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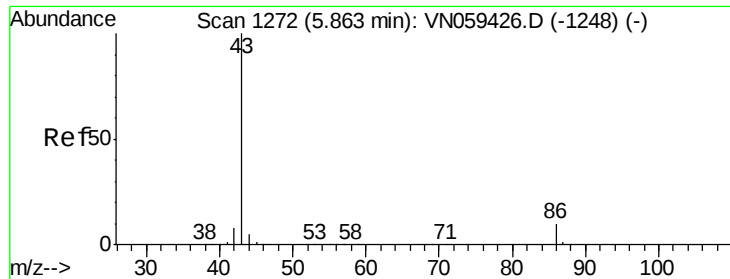
apatel
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#22
Diisopropyl ether
Concen: 19.882 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	46.3	69.5
87	26.6	21.8	32.6
59	11.9	9.0	13.4





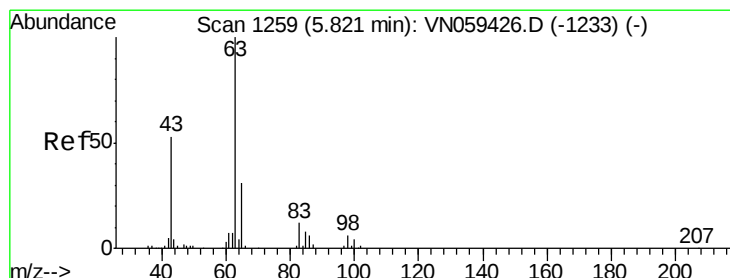
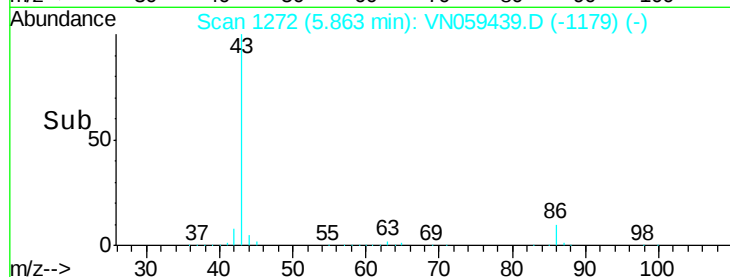
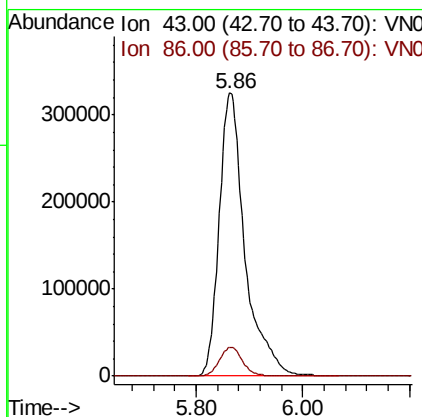
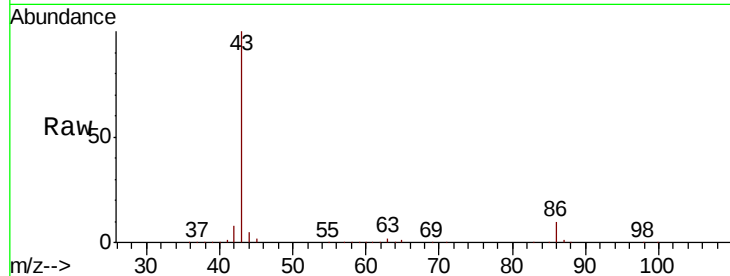
#23
 Vinyl Acetate
 Concen: 99.768 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion: 43 Resp: 1095311
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.4

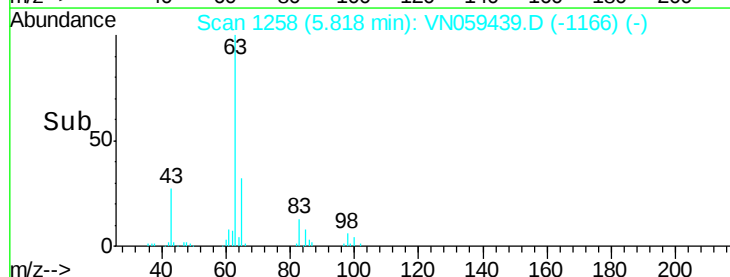
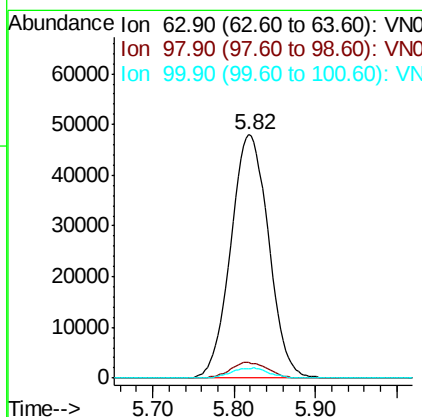
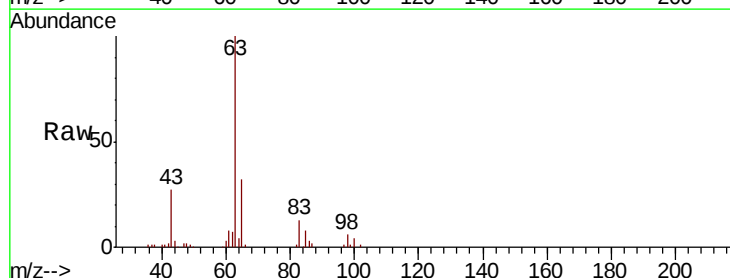
Manual Integrations
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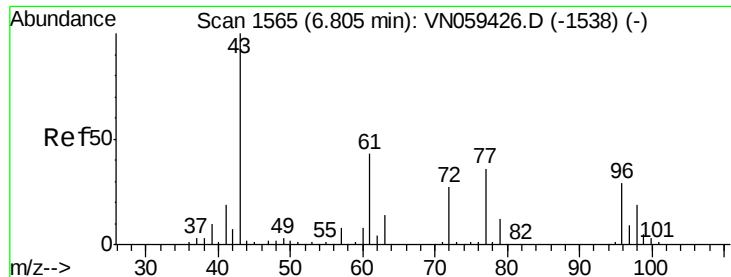
apatel
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#24
 1,1-Dichloroethane
 Concen: 19.773 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 63 Resp: 154812
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 97.501 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion: 43 Resp: 297769

Ion Ratio Lower Upper

43 100

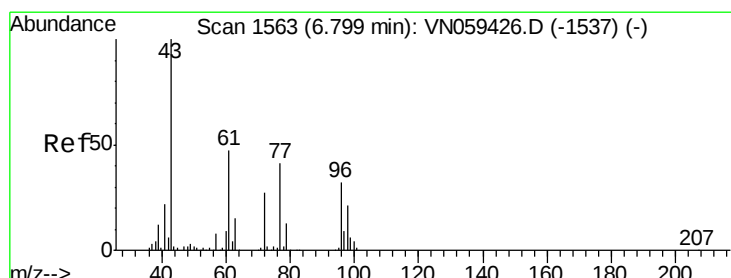
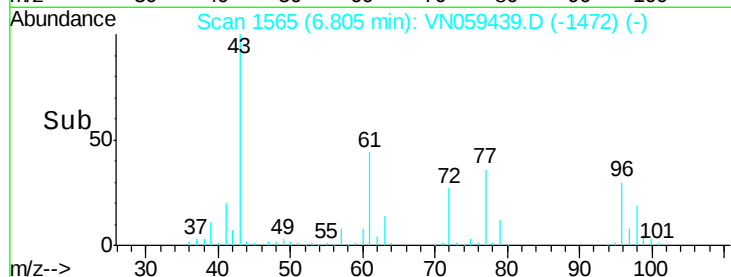
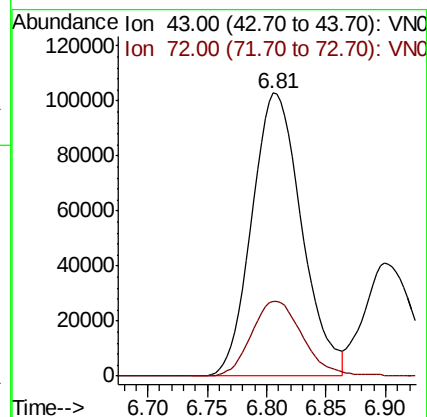
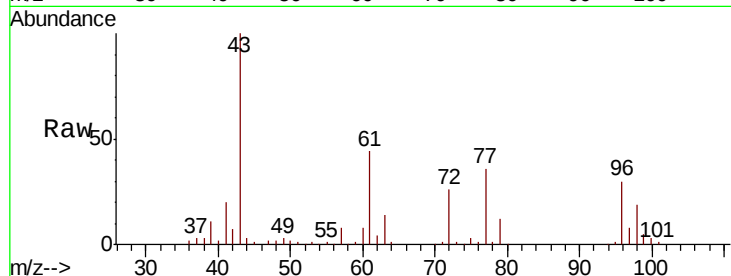
72 26.5 21.4 32.2

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#26

2,2-Dichloropropane

Concen: 19.388 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059439.D

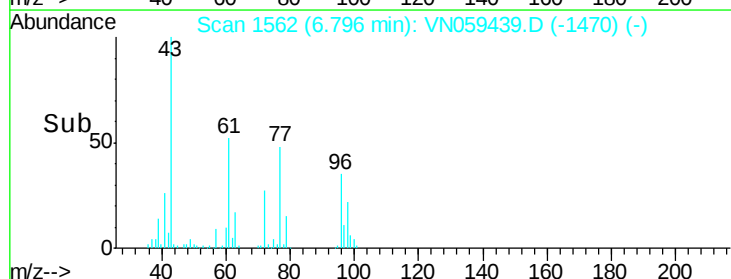
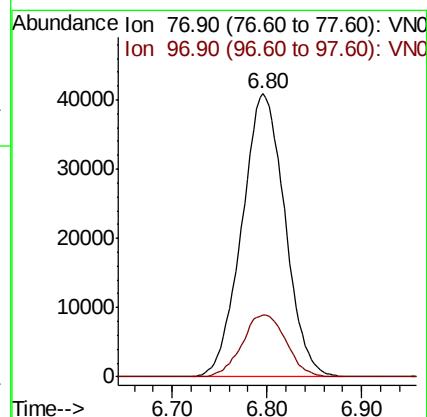
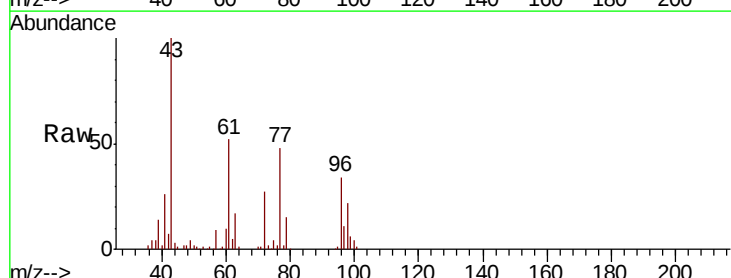
Acq: 29 Nov 2019 11:50

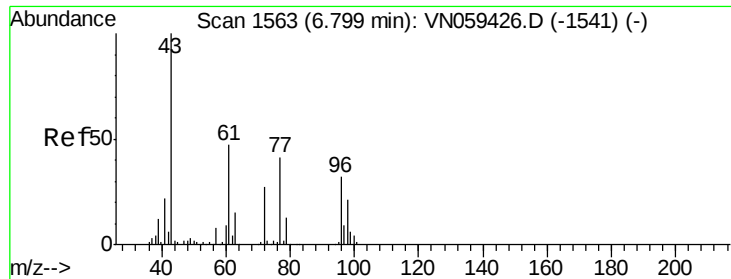
Tgt Ion: 77 Resp: 129187

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 19.163 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

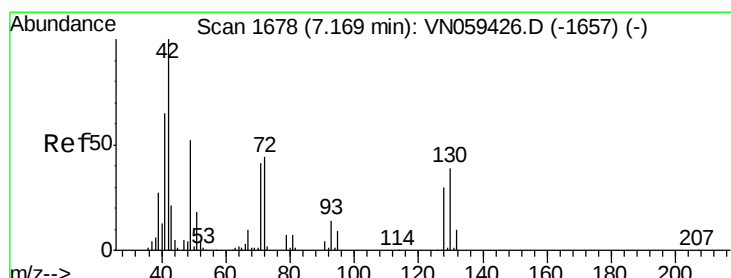
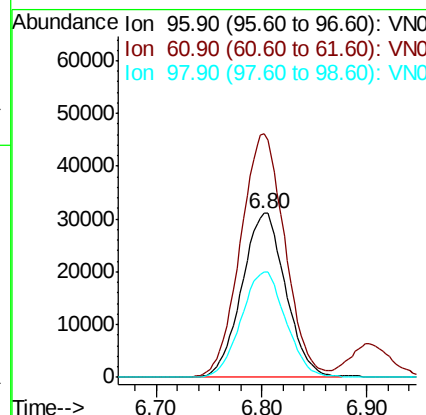
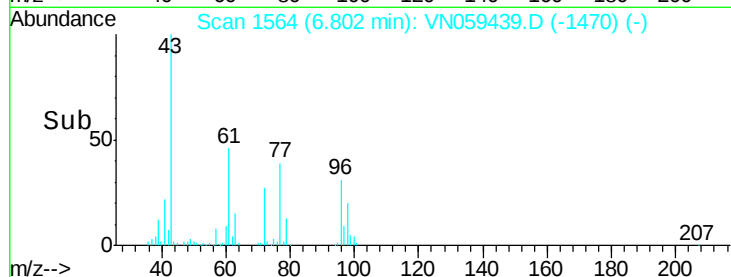
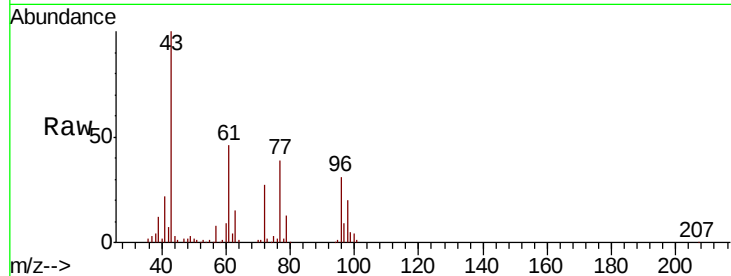
ClientSampled :

VN1129WBS01

Tot Ion:	96	Resp:	90157
Ion Ratio	Lower	Upper	
96	100		
61	149.9	0.0	297.6
98	65.1	0.0	130.8

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#28

Bromochloromethane

Concen: 20.778 ug/l

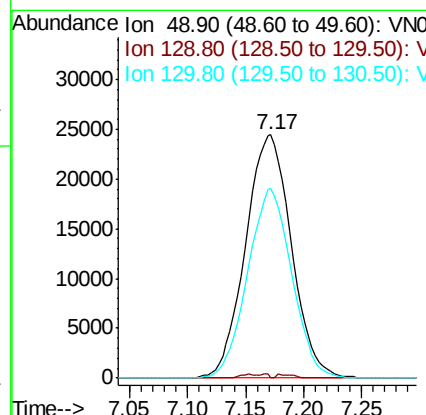
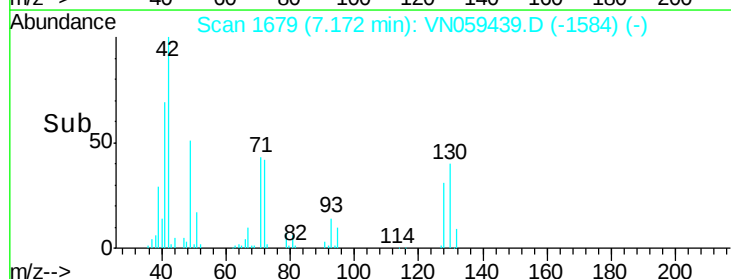
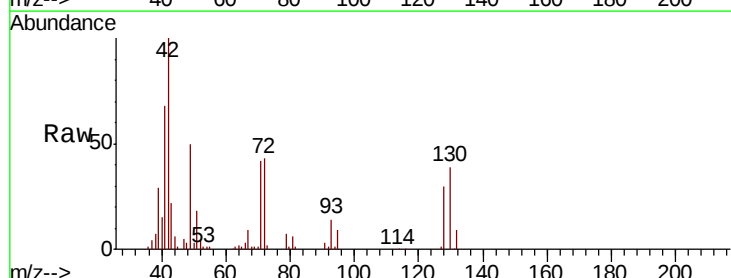
RT: 7.17 min Scan# 1679

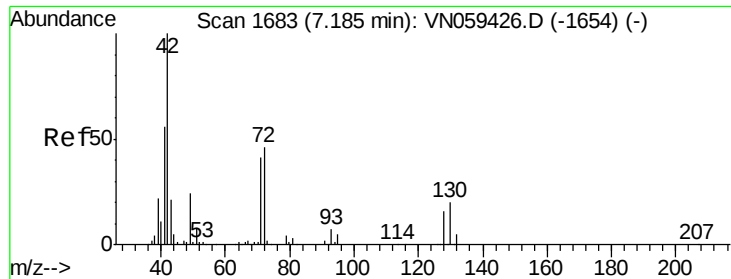
Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion:	49	Resp:	67019
Ion Ratio	Lower	Upper	
49	100		
129	0.5	0.0	3.6
130	75.1	60.5	90.7





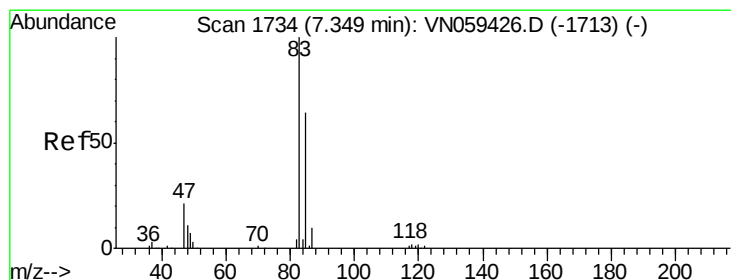
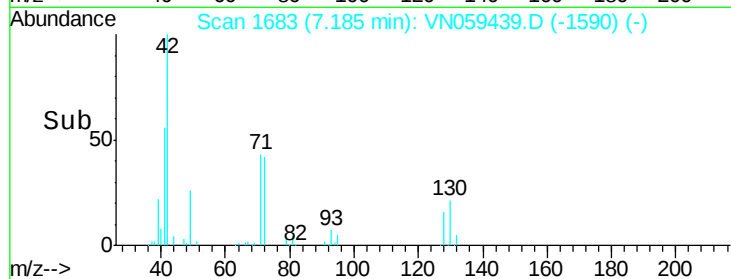
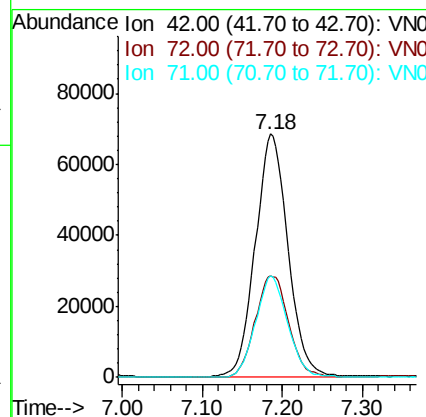
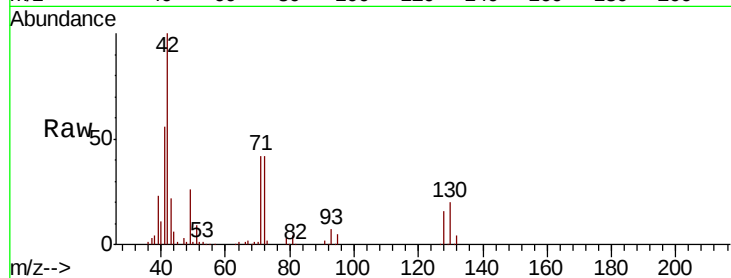
#29
Tetrahydrofuran
Concen: 94.857 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	51.8
71	40.6	33.0	49.6

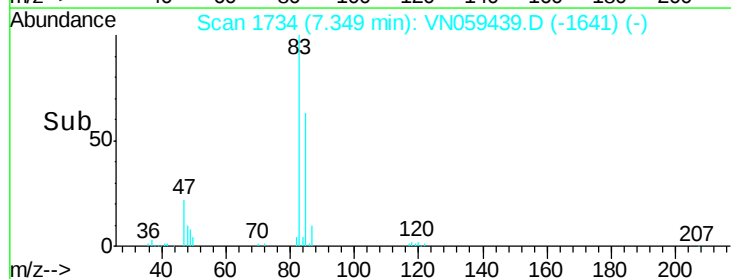
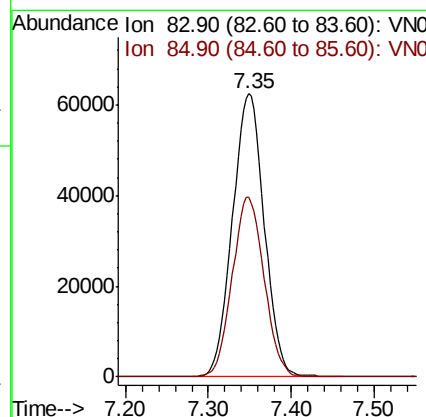
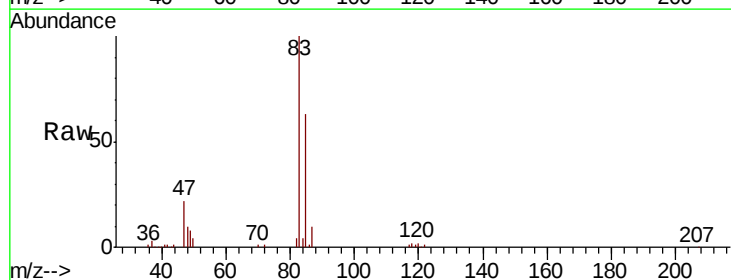
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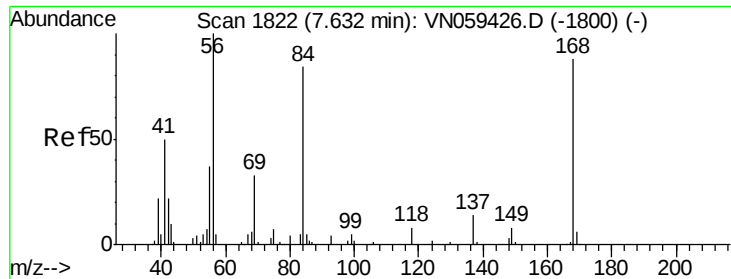
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#30
Chloroform
Concen: 21.176 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.6	77.4





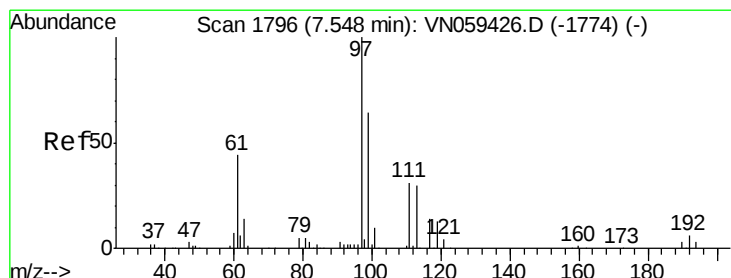
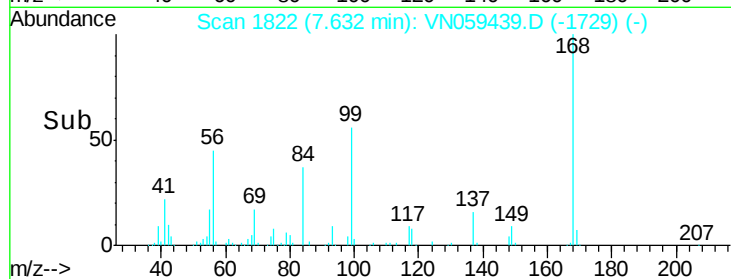
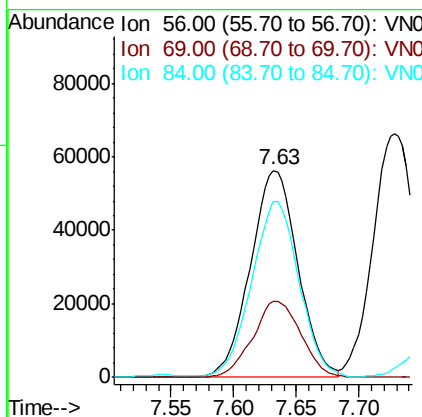
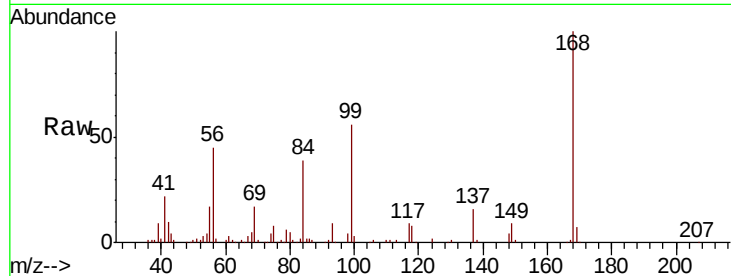
#31
Cyclohexane
Concen: 18.876 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.4	39.6
84	84.1	67.0	100.6

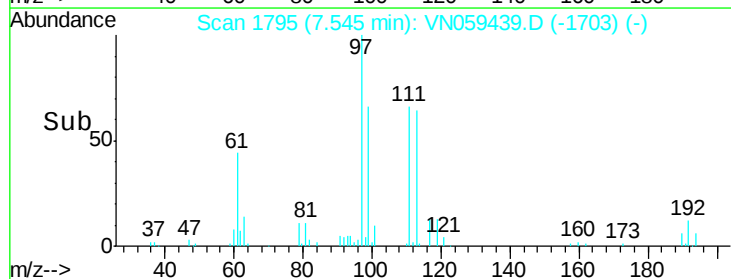
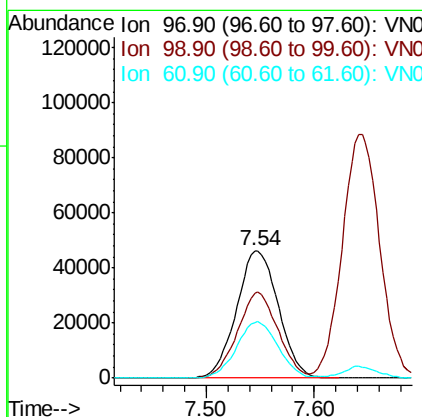
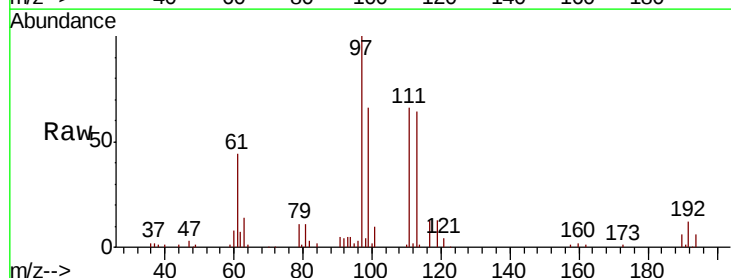
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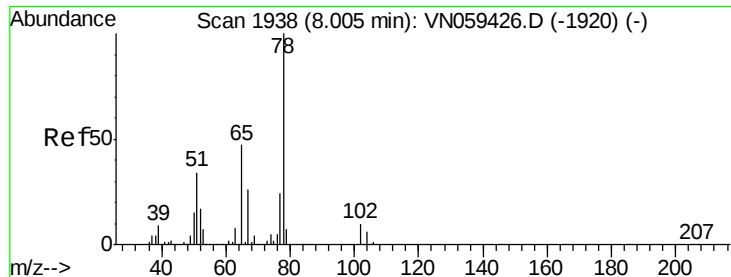
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#32
1,1,1-Trichloroethane
Concen: 19.369 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	44.0	34.3	51.5





#33

1,2-Dichloroethane-d4

Concen: 51.870 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion: 65 Resp: 241712

Ion Ratio Lower Upper

65 100

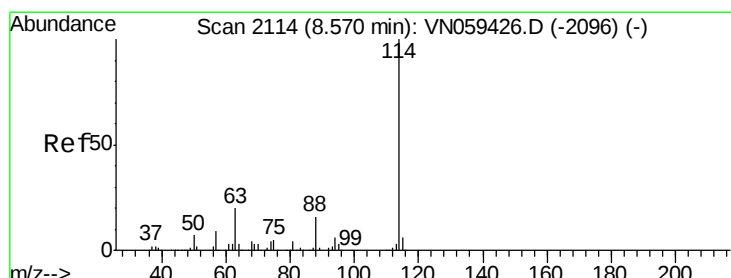
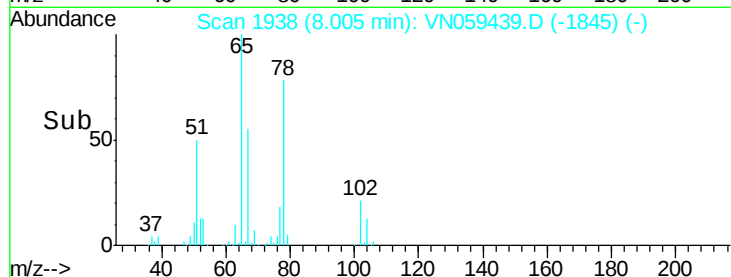
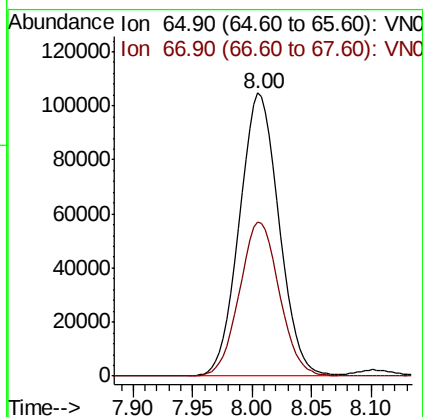
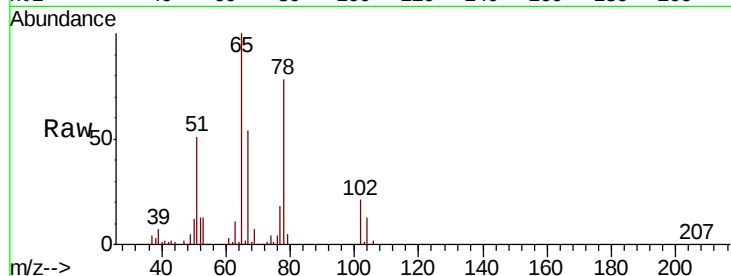
67 55.0 0.0 111.2

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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: VN059439.D

Acq: 29 Nov 2019 11:50

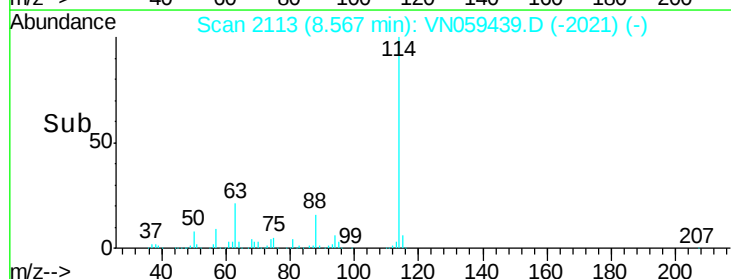
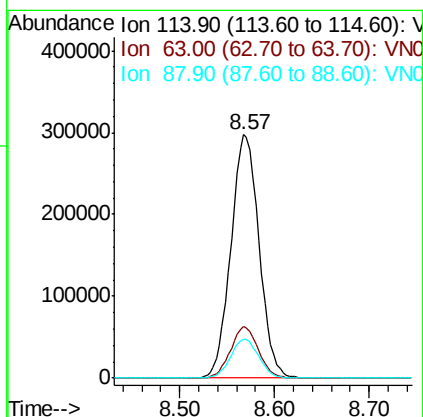
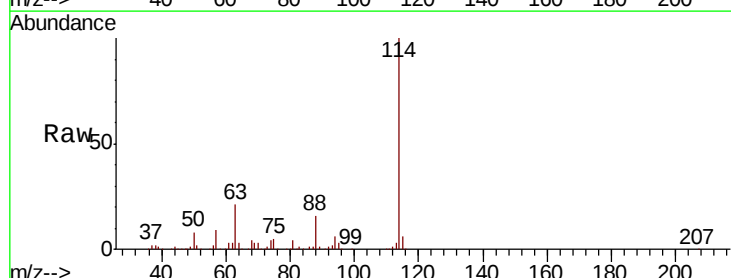
Tgt Ion: 114 Resp: 616216

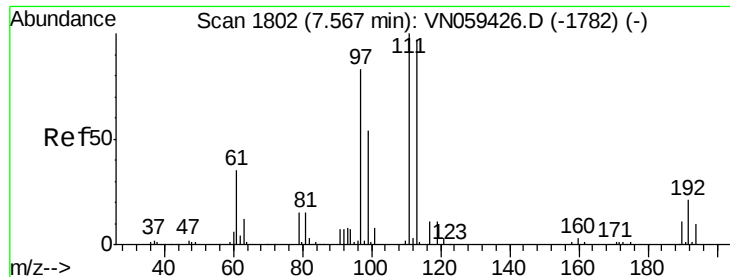
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 16.1 0.0 32.2





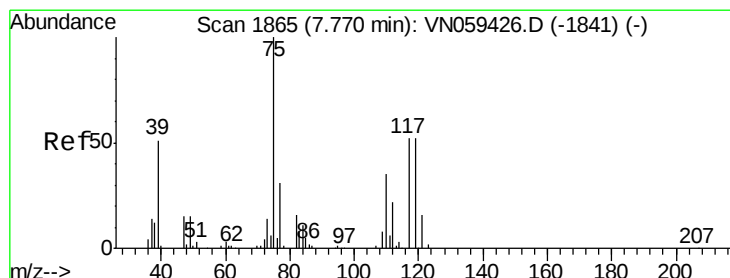
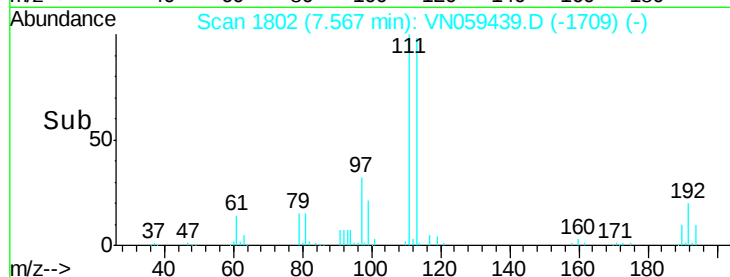
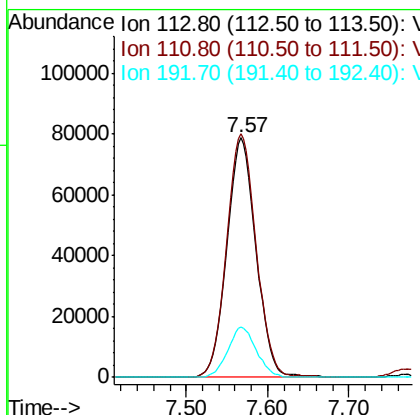
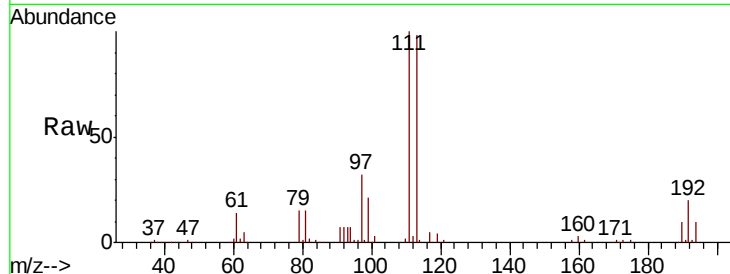
#35
 Dibromofluoromethane
 Concen: 52.489 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197017		
111	102.6	81.9	122.9	
192	20.5	16.6	24.8	

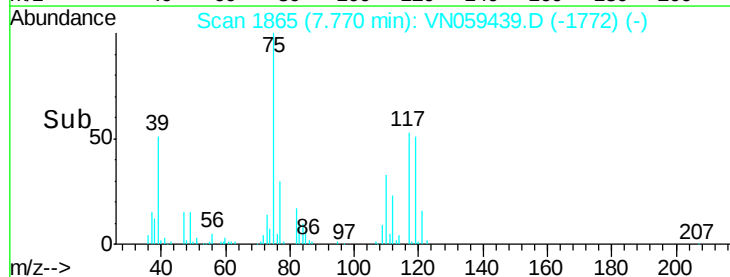
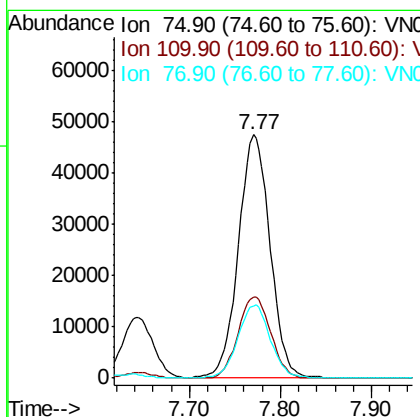
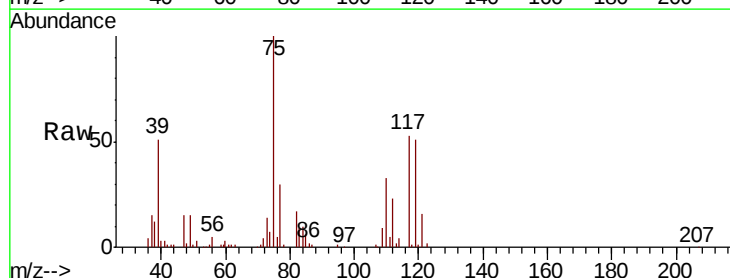
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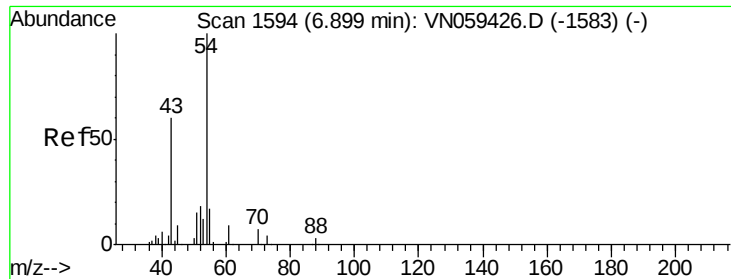
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#36
 1,1-Dichloropropene
 Concen: 19.351 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114668		
110	34.4	17.3	52.0	
77	30.8	24.9	37.3	





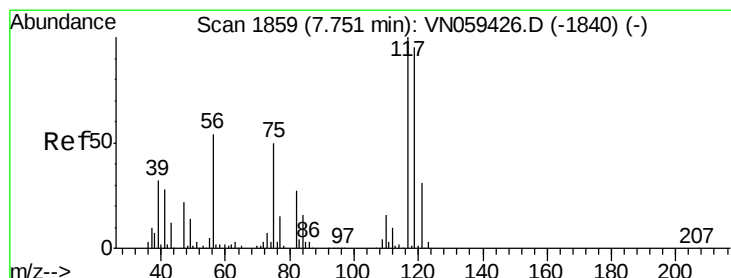
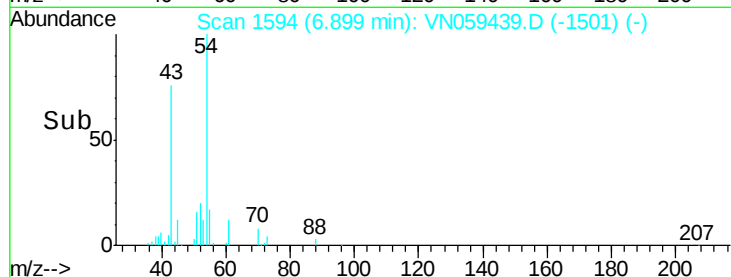
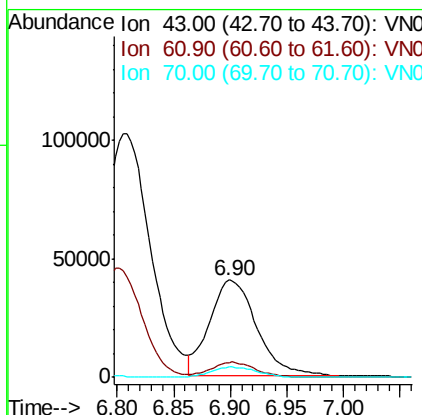
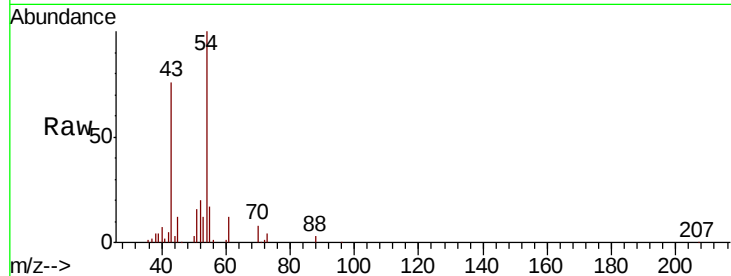
#37
Ethyl Acetate
Concen: 18.771 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	10.6	8.8	13.2

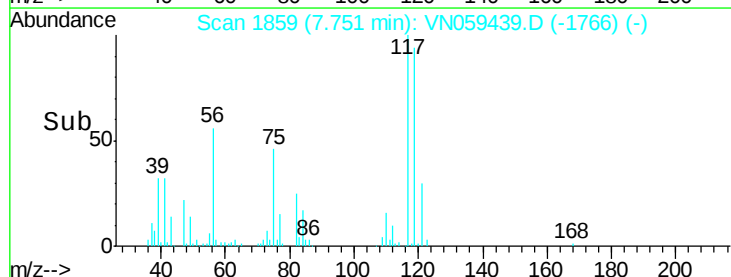
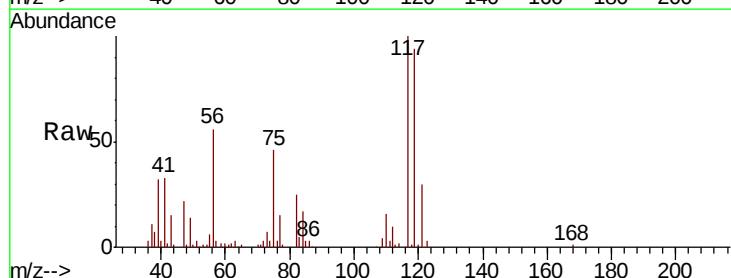
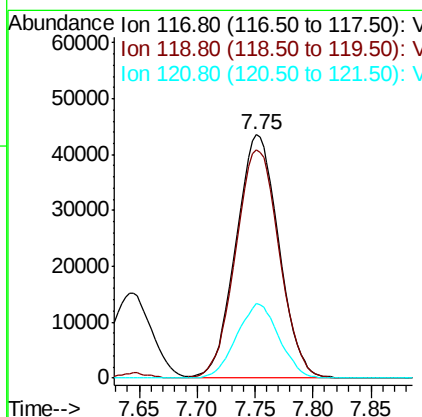
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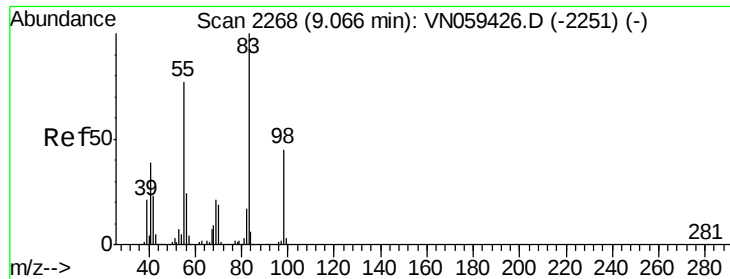
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#38
Carbon Tetrachloride
Concen: 19.961 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.9	113.9
121	30.5	24.6	36.8





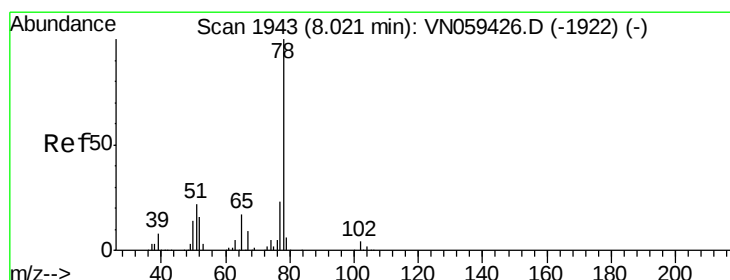
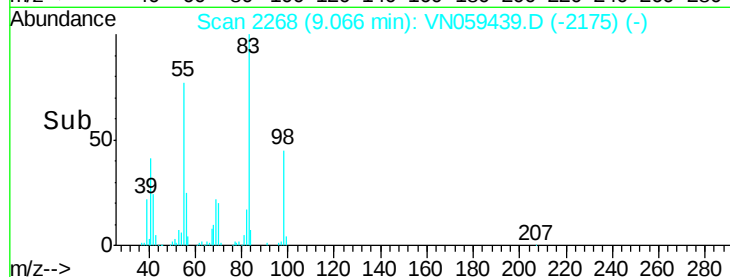
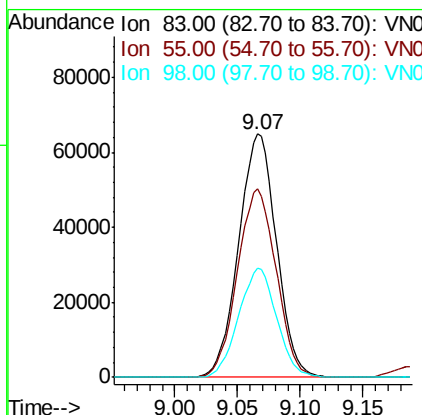
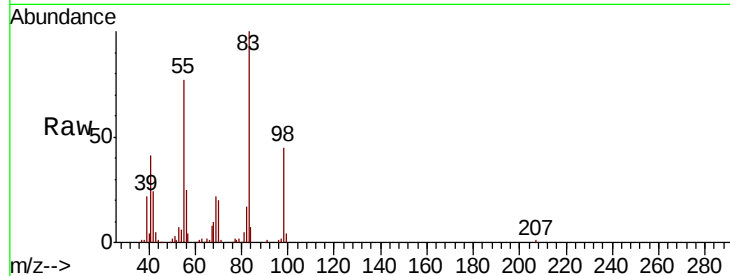
#39
Methvlcvclohexane
Concen: 19.225 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.6	92.4
98	45.1	35.7	53.5

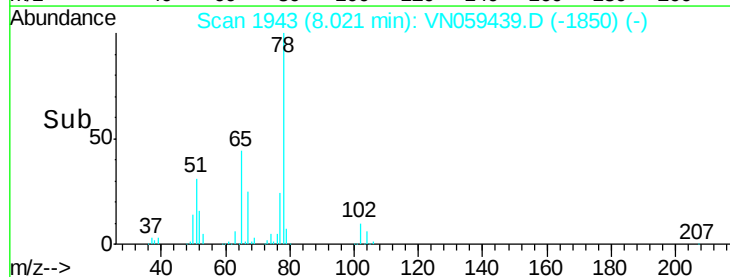
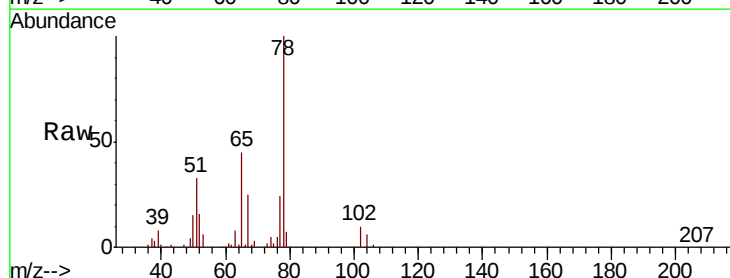
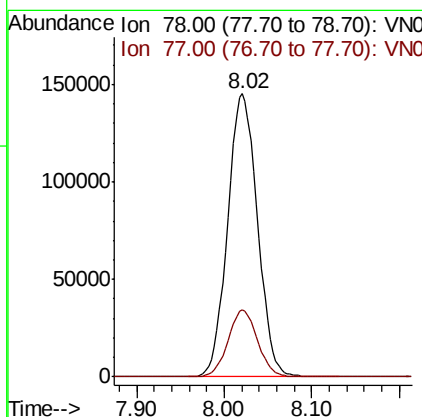
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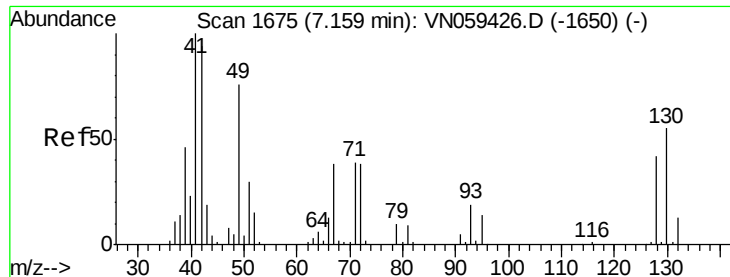
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#40
Benzene
Concen: 19.511 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5





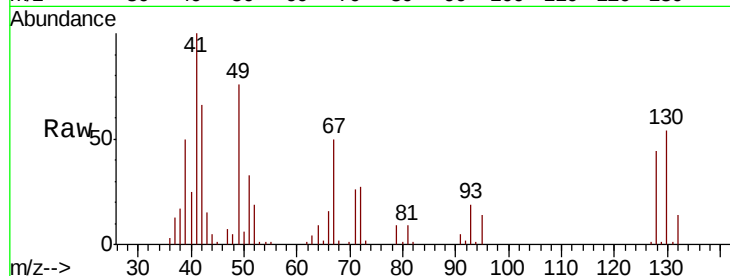
#41
Methacrylonitrile
Concen: 17.881 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

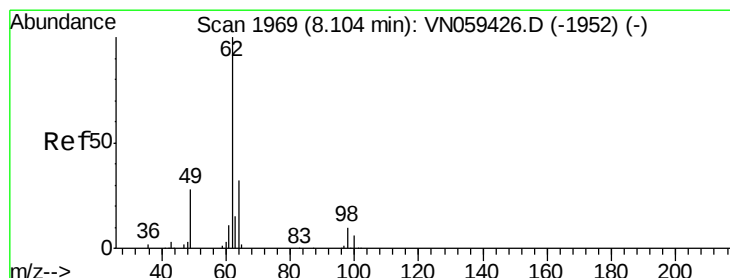
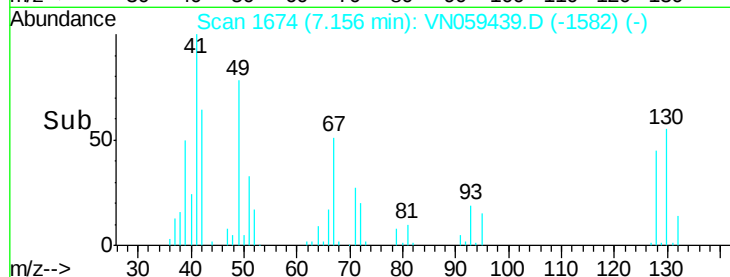
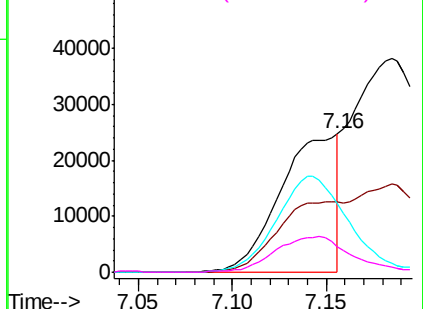
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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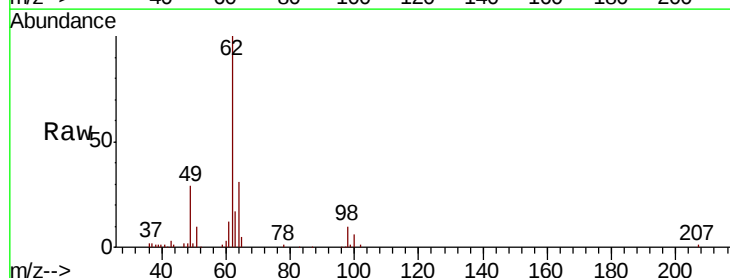


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

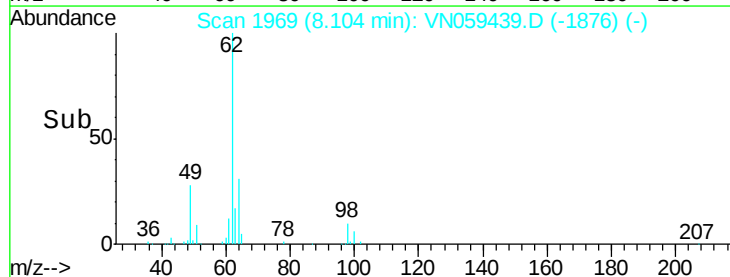
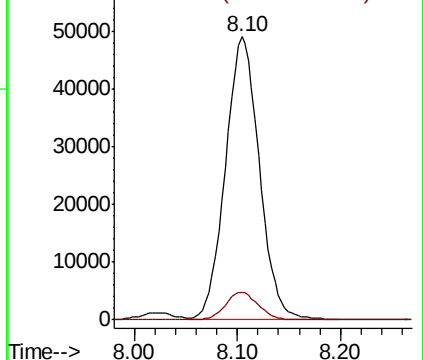


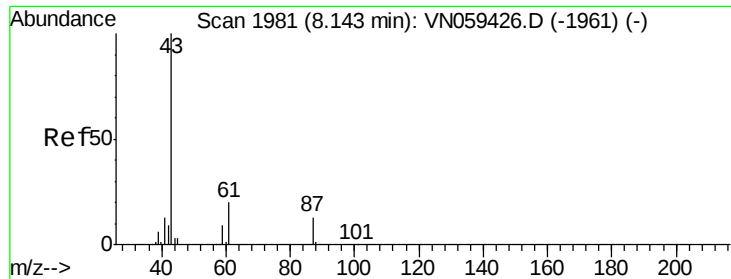
#42
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0



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





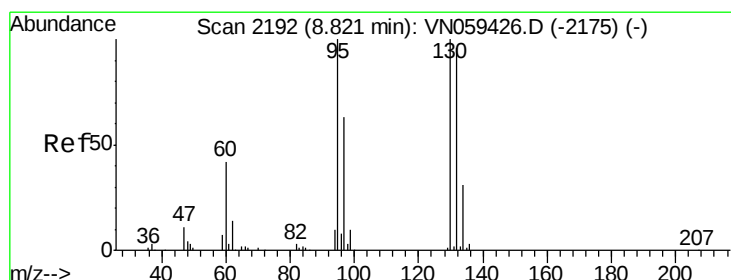
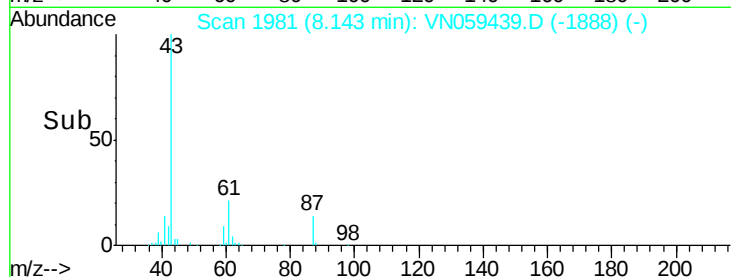
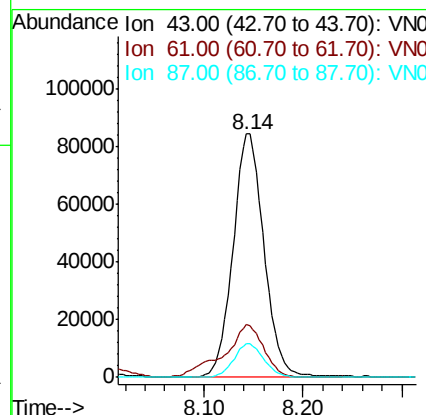
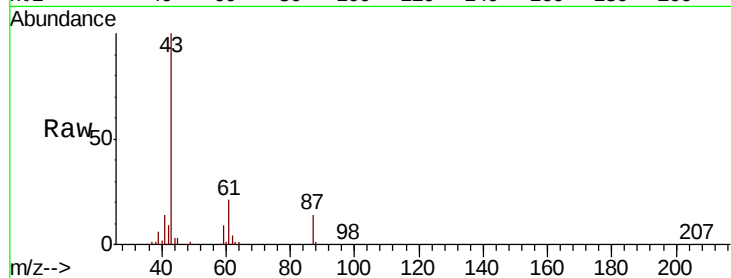
#43
Isopropyl Acetate
Concen: 19.464 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.2	33.2
87	13.4	10.7	16.1

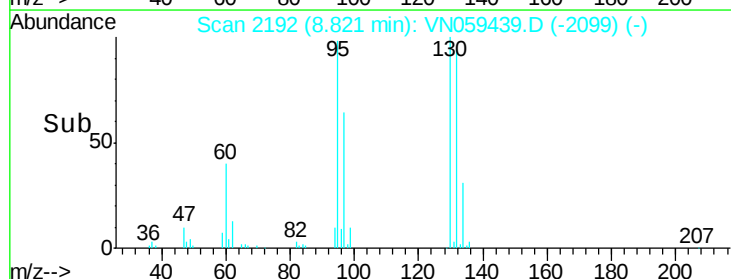
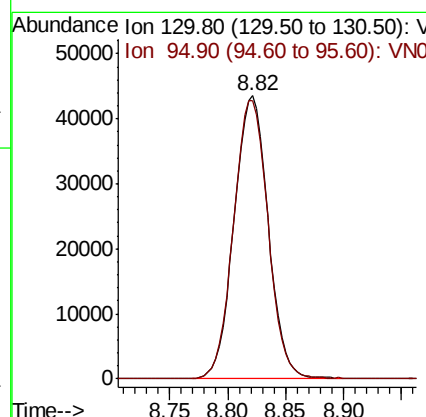
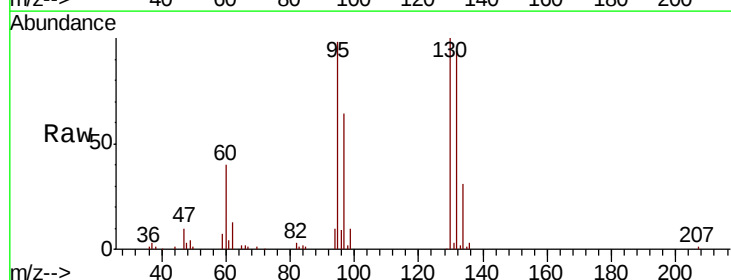
Manual Integrations
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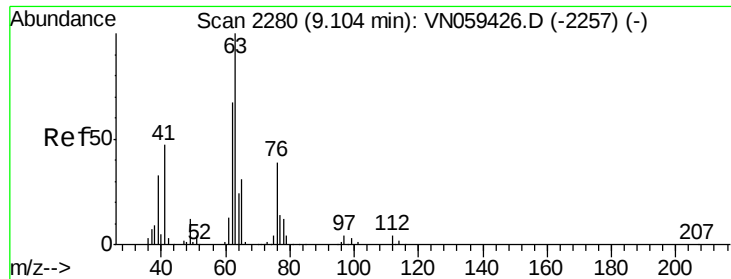
apatel
12/2/2019 10:38:51 AM



#44
Trichloroethene
Concen: 19.831 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	199.6





#45

1,2-Dichloropropane

Concen: 19.821 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion: 63 Resp: 91221

Ion Ratio Lower Upper

63 100

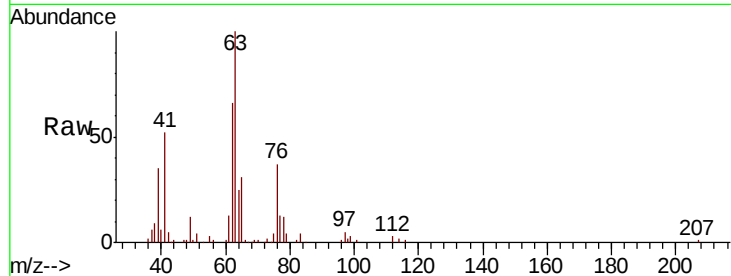
65 30.5 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

50000

40000

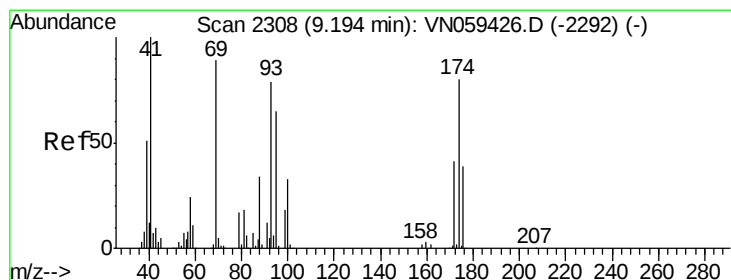
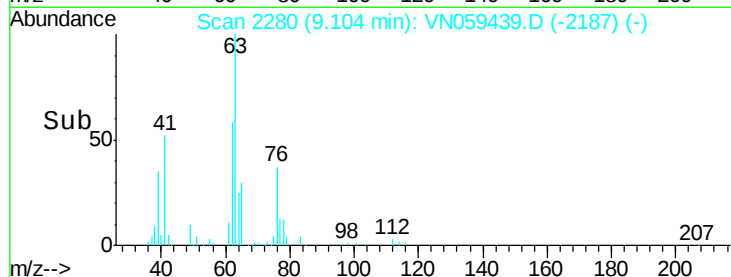
30000

20000

10000

0

Time--> 9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.344 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

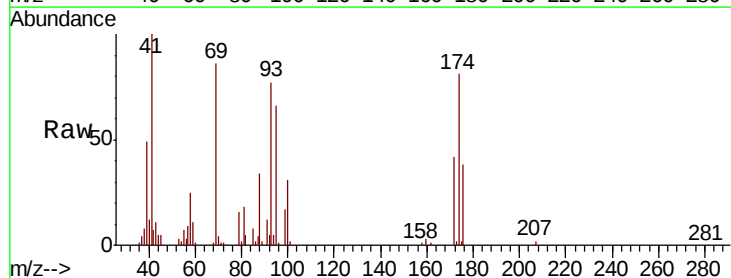
Tgt Ion: 93 Resp: 54939

Ion Ratio Lower Upper

93 100

95 85.3 66.2 99.4

174 103.5 81.8 122.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

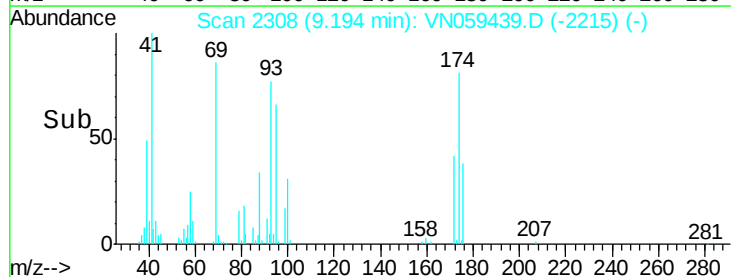
30000

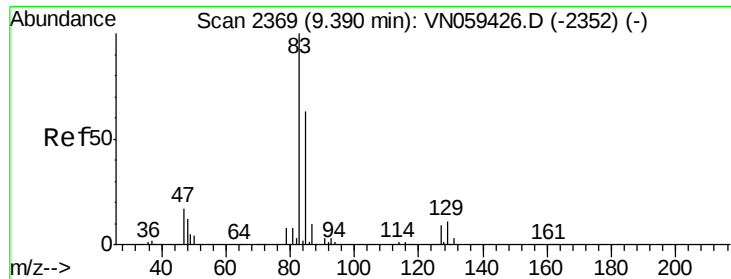
20000

10000

0

Time--> 9.10 9.15 9.20 9.25





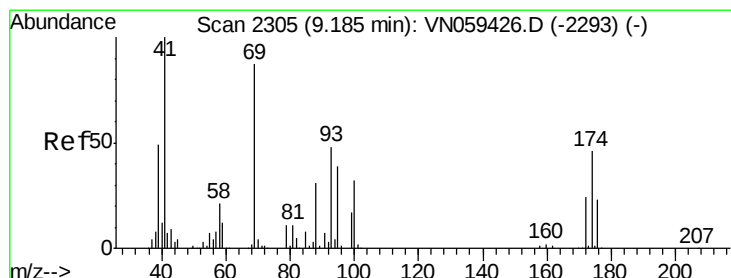
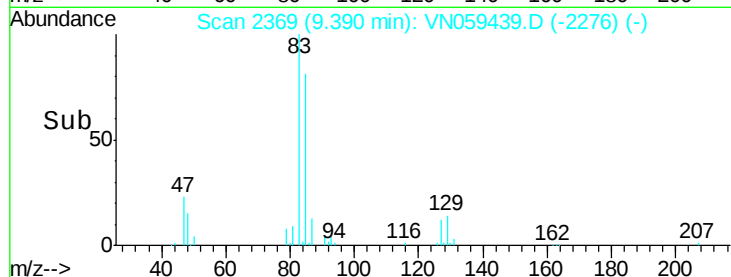
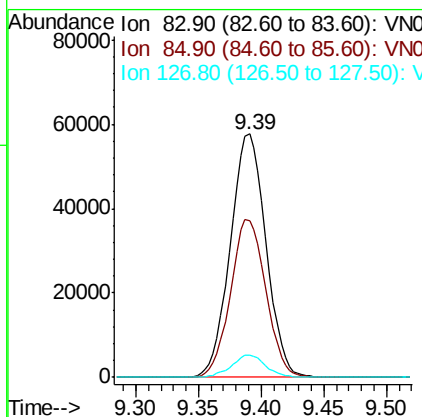
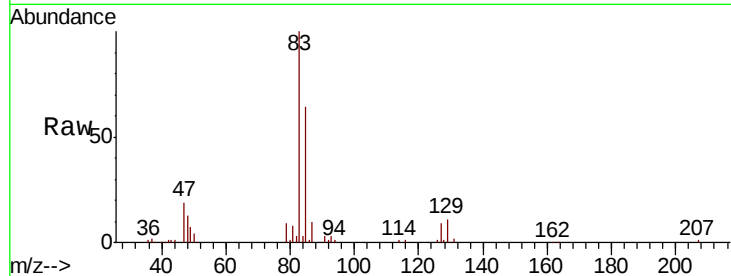
#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	83	Resp	114015
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	50.6	75.8
127	9.2	6.8	10.2

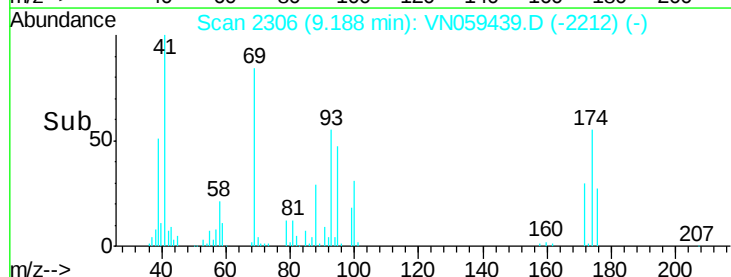
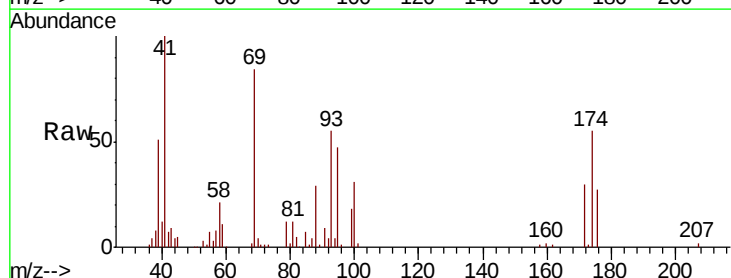
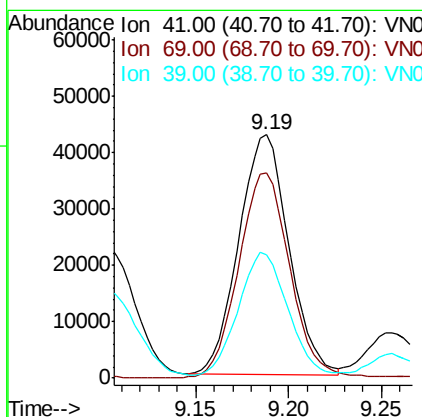
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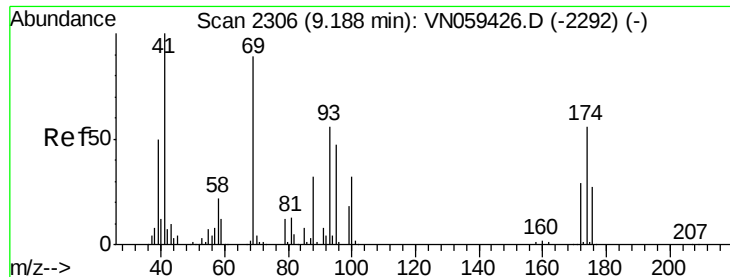
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#48
Methyl methacrylate
Concen: 18.971 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	41	Resp	80163
Ion Ratio	100	Lower	Upper
41	100		
69	87.6	71.6	107.4
39	52.5	41.3	61.9





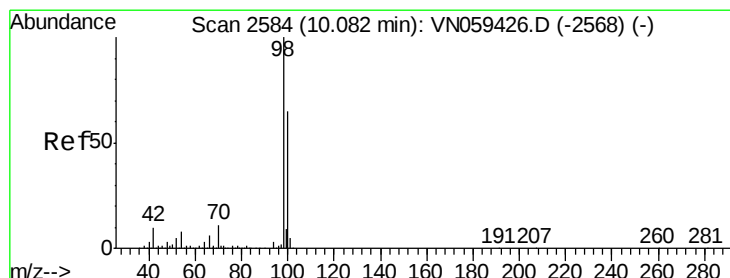
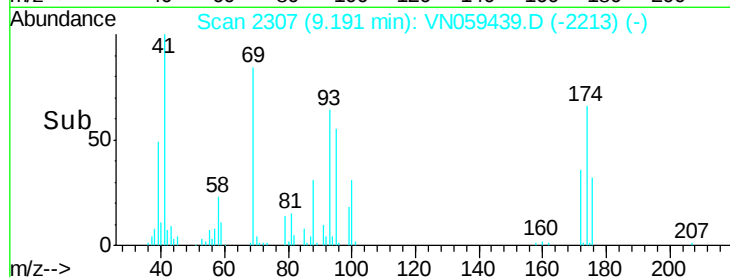
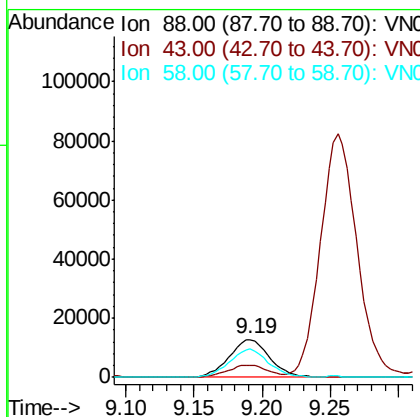
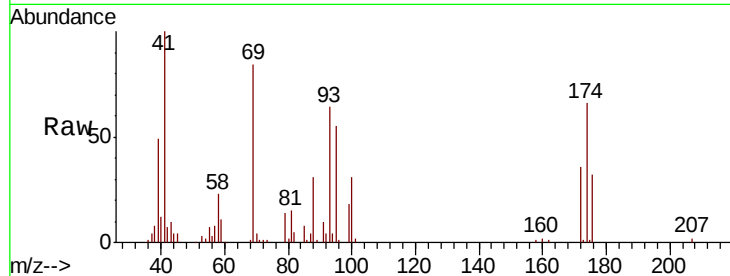
#49
1,4-Dioxane
Concen: 425.357 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	88	Resp	26251
Ion	Ratio	Lower	Upper
88	100		
43	31.8	23.7	35.5
58	72.8	56.3	84.5

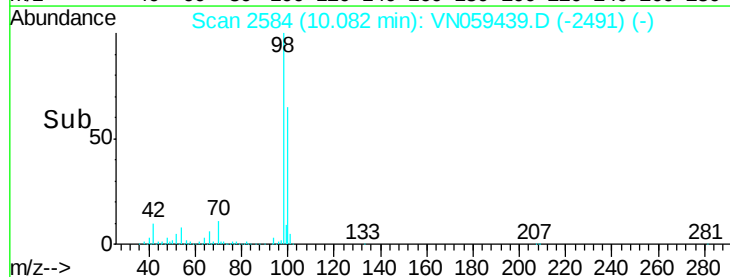
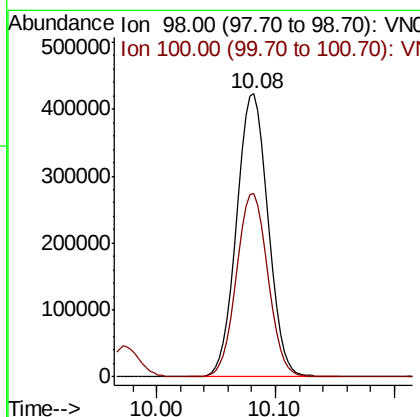
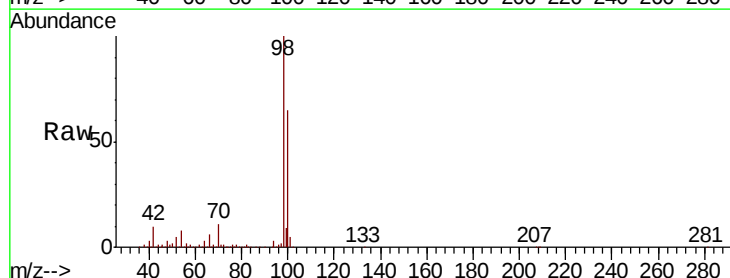
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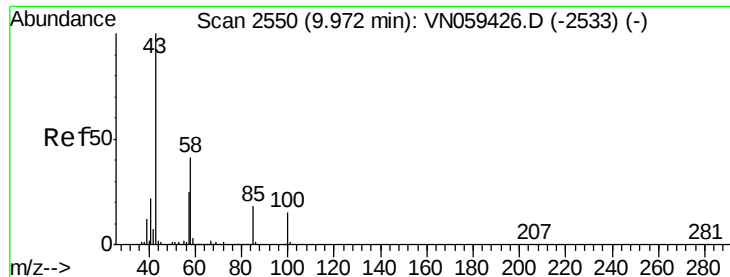
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#50
Toluene-d8
Concen: 52.031 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	98	Resp	778169
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 100.154 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion: 43 Resp: 553310

Ion Ratio Lower Upper

43 100

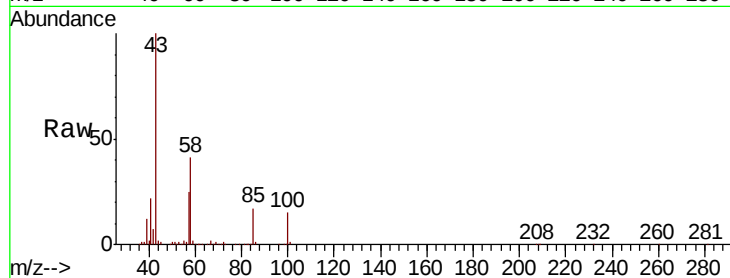
58 40.0 32.5 48.7

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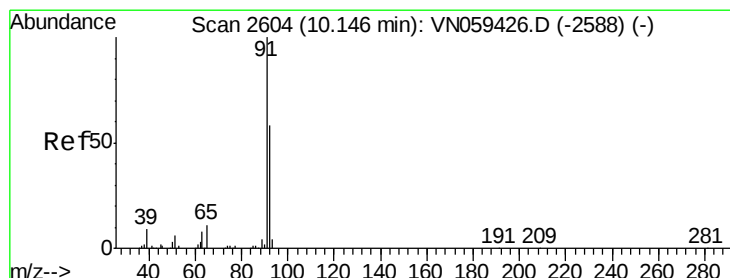
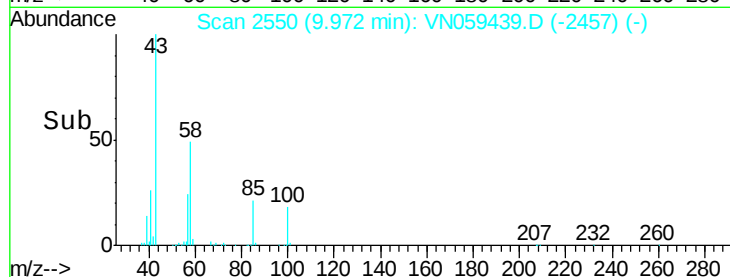
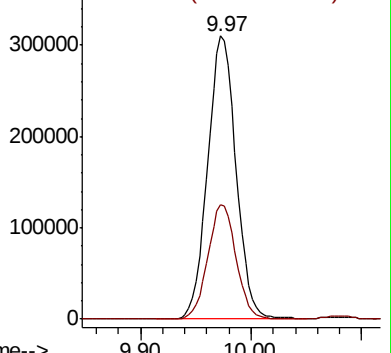
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.652 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059439.D

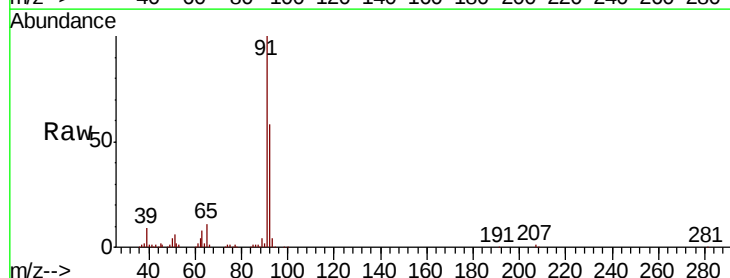
Acq: 29 Nov 2019 11:50

Tgt Ion: 92 Resp: 206571

Ion Ratio Lower Upper

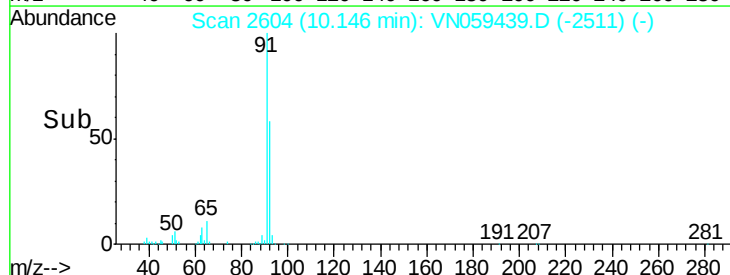
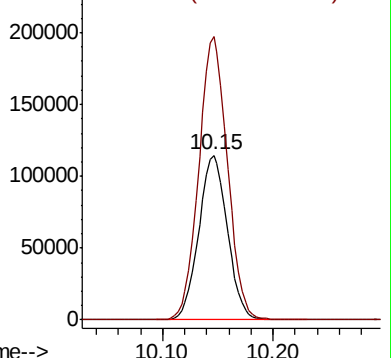
92 100

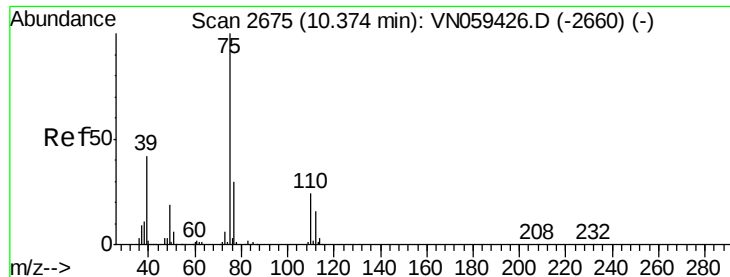
91 171.7 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.373 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS01

Tot Ion: 75 Resp: 127869

Ion Ratio Lower Upper

75 100

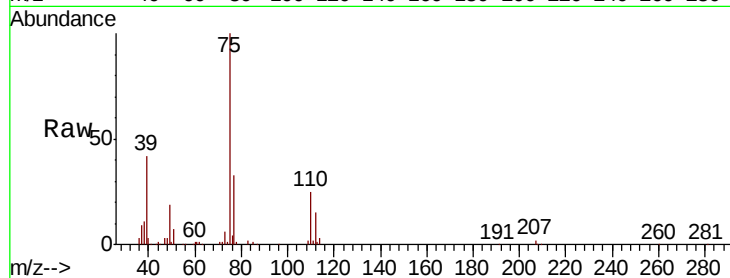
77 31.7 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

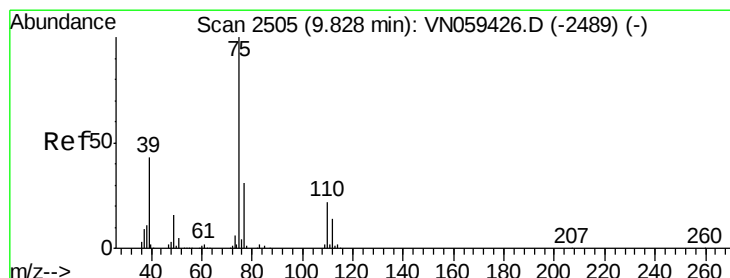
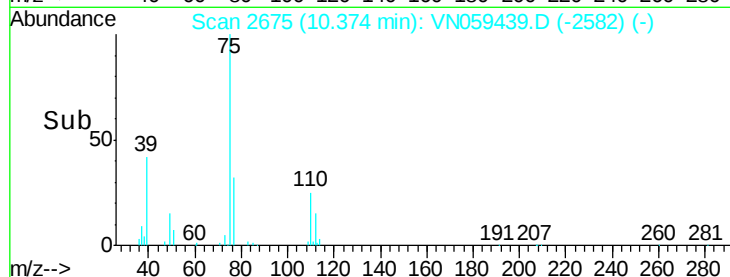
40000

20000

0

10.30 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.870 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

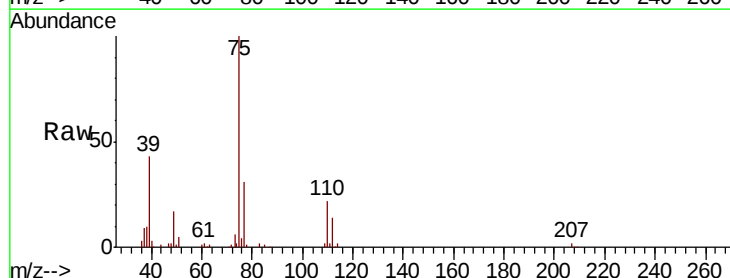
Tgt Ion: 75 Resp: 141581

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 43.3 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

9.83

100000

80000

60000

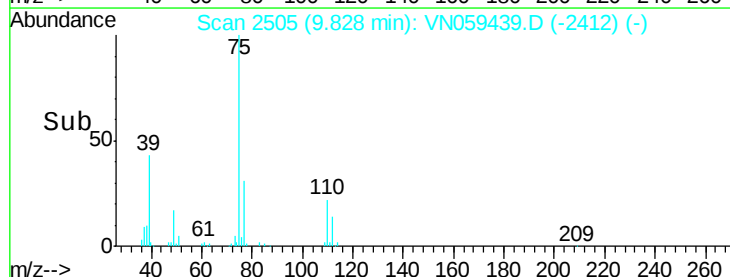
40000

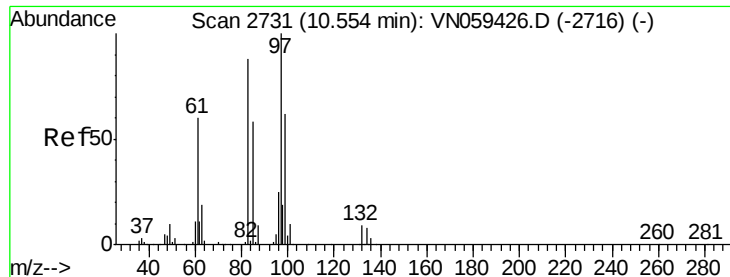
20000

0

9.75 9.80 9.85 9.90

Time-->





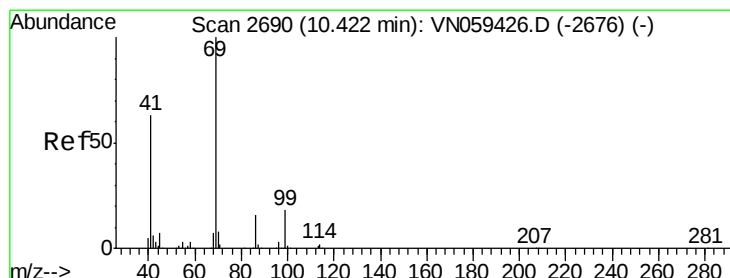
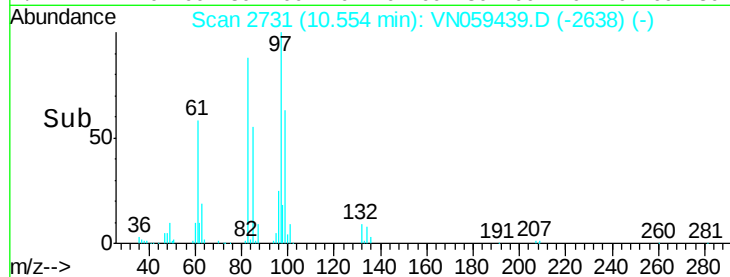
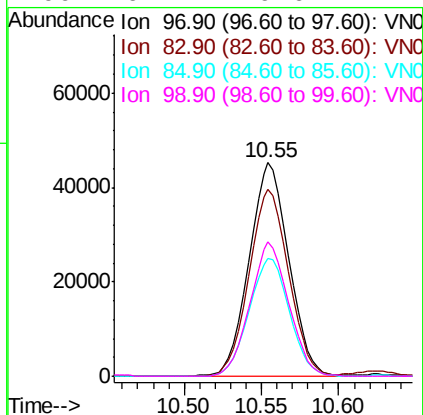
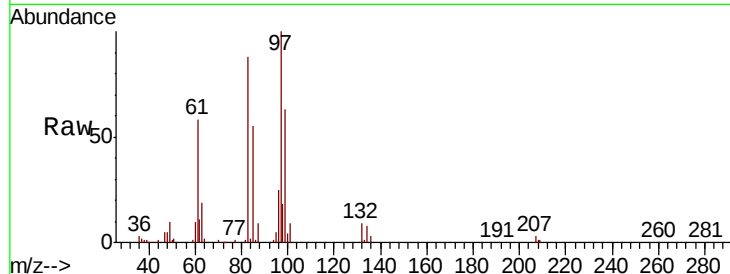
#55
 1,1,2-Trichloroethane
 Concen: 19.618 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion:	97	Resp:	80714
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.7	106.1
85	55.1	46.4	69.6
99	62.7	49.6	74.4

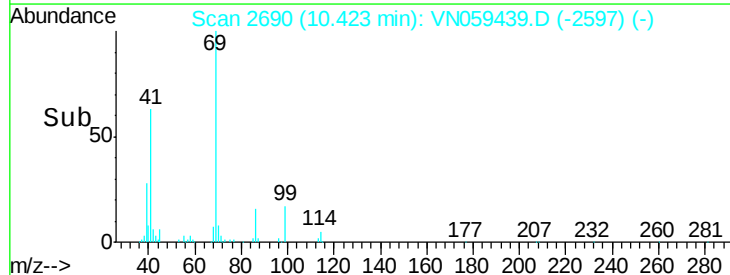
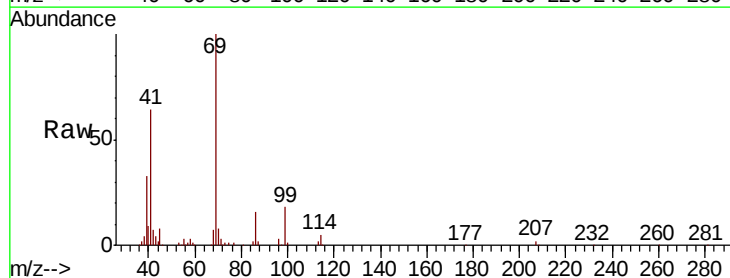
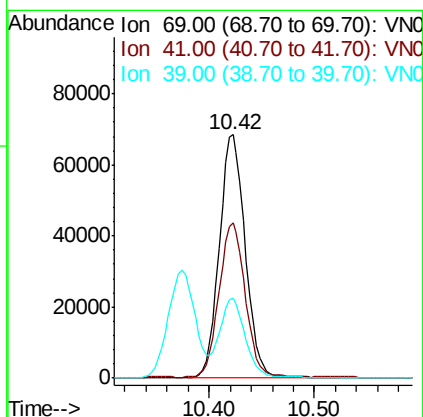
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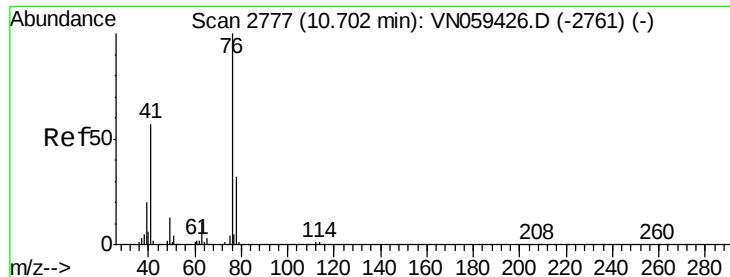
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#56
 Ethyl methacrylate
 Concen: 20.783 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion:	69	Resp:	116472
Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.1	75.1
39	31.9	23.9	35.9





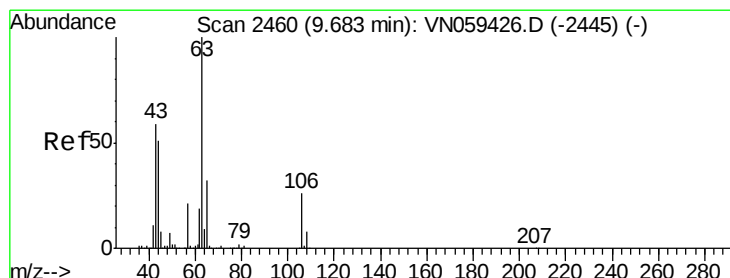
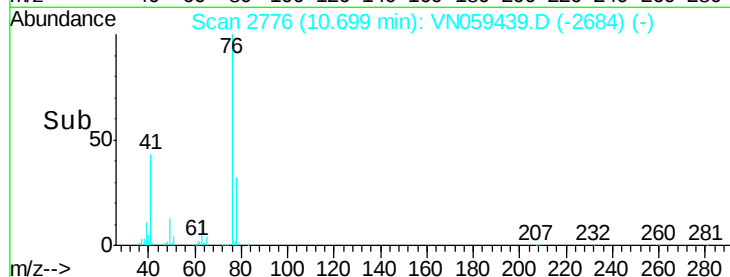
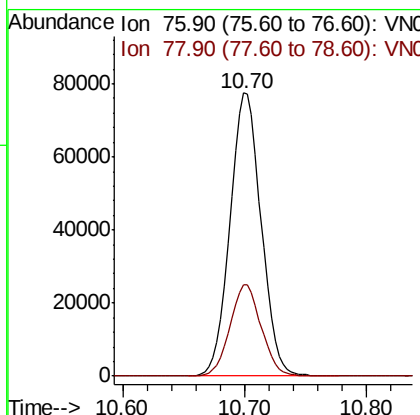
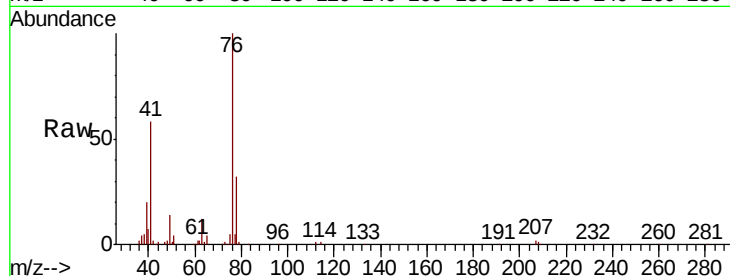
#57
 1,3-Dichloropropane
 Concen: 19.358 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

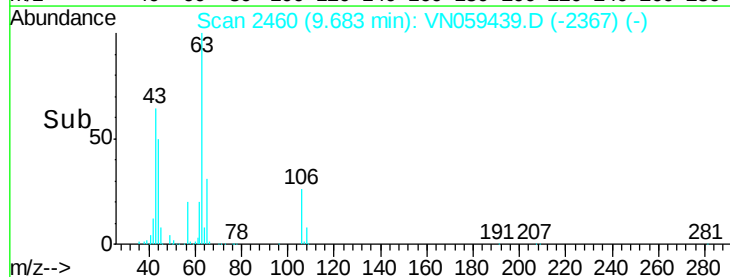
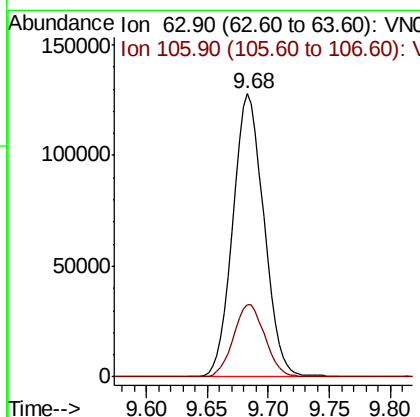
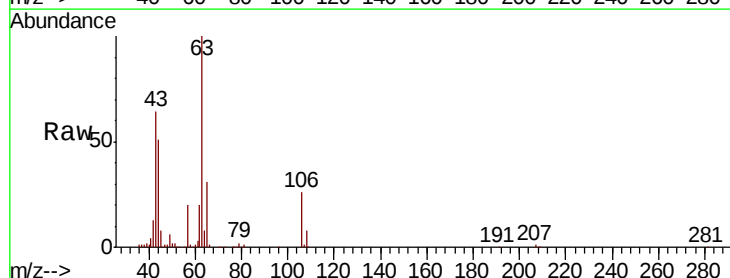
Manual Integrations
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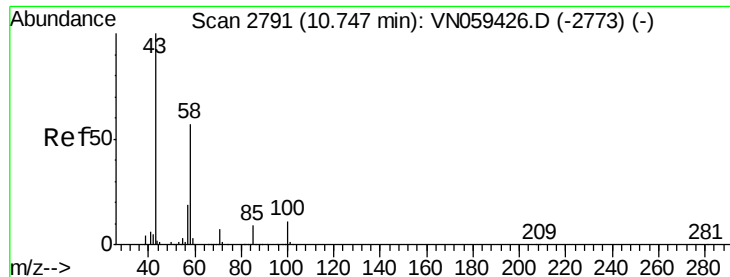
apatel
 12/2/2019 10:38:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.563 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.9	31.3





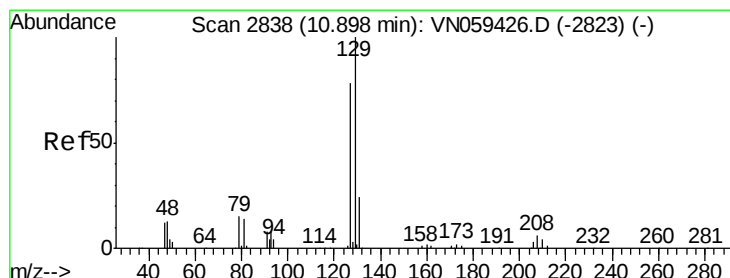
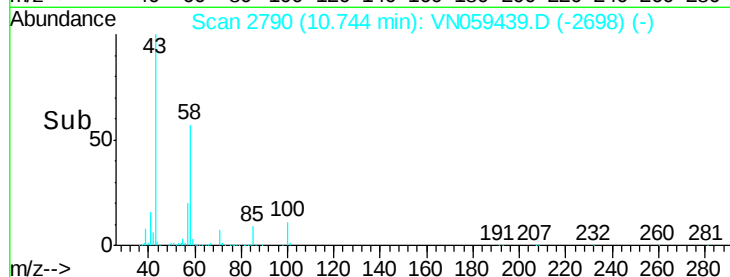
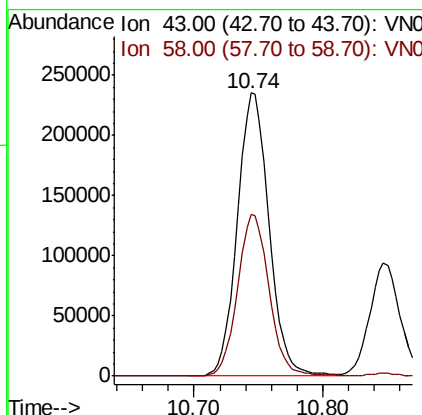
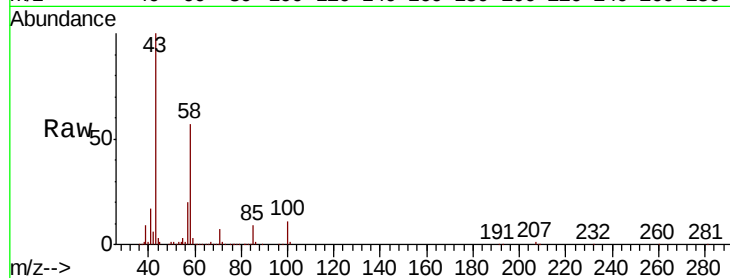
#59
2-Hexanone
Concen: 98.491 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion: 43 Resp: 403478
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

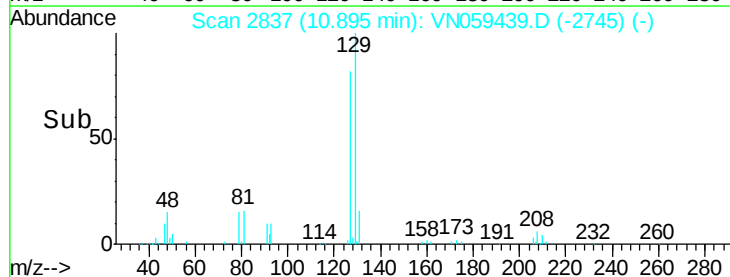
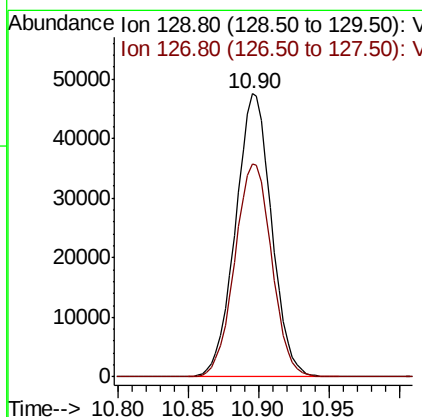
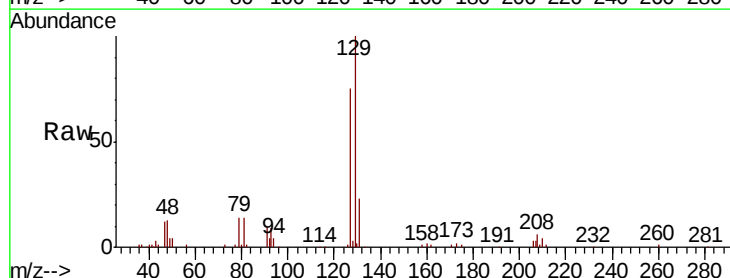
Manual Integrations
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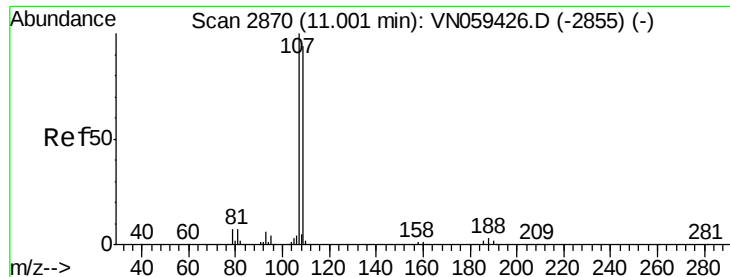
apatel
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#60
Dibromochloromethane
Concen: 19.843 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 129 Resp: 85222
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





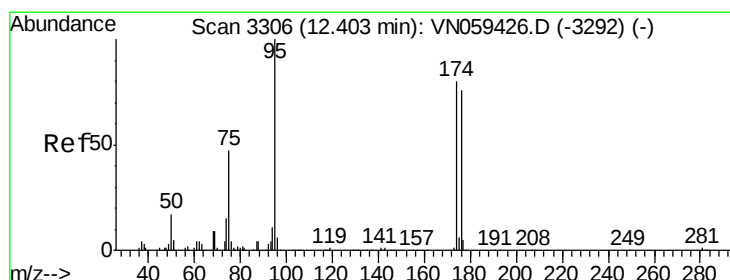
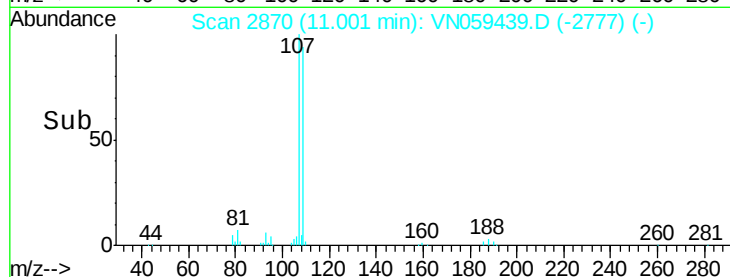
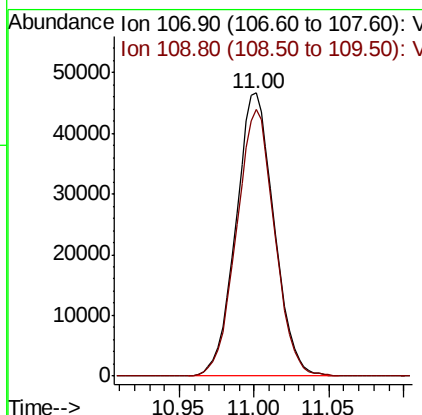
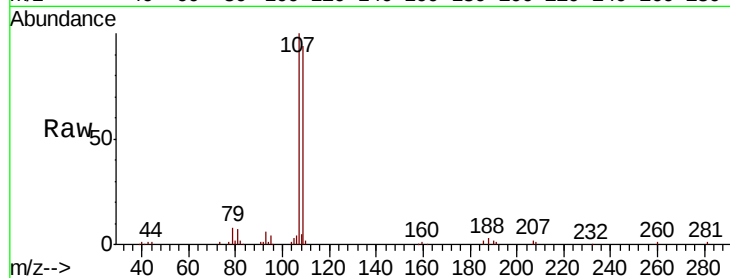
#61
 1,2-Dibromoethane
 Concen: 19.622 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion: 107 Resp: 82726
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.8 113.8

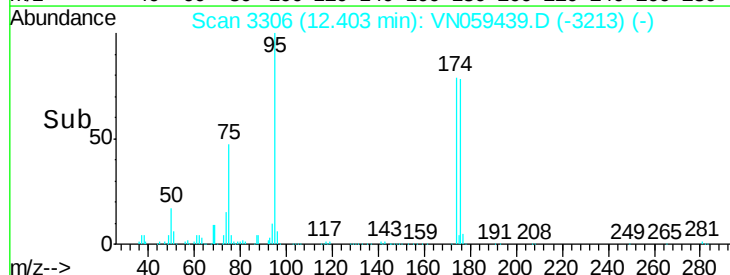
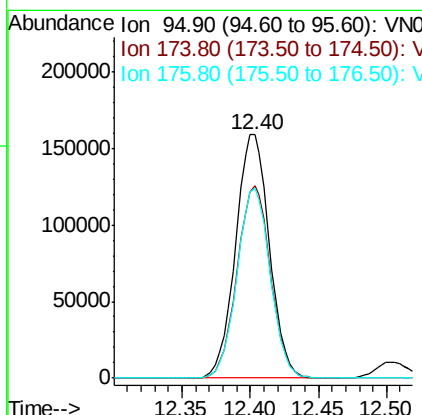
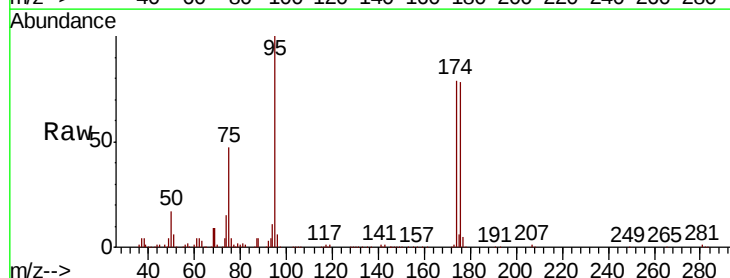
Manual Integrations
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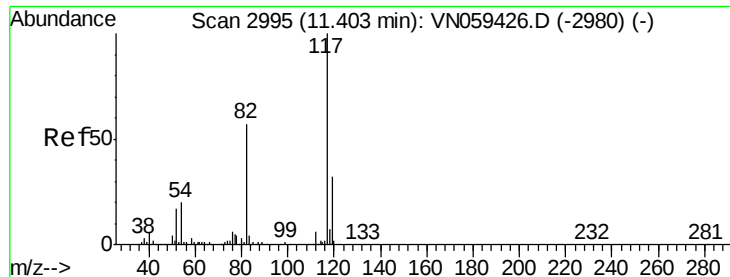
apatel
 12/2/2019 10:38:51 AM



#62
 4-Bromofluorobenzene
 Concen: 52.406 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 95 Resp: 272897
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 158.0
 176 76.5 0.0 153.0





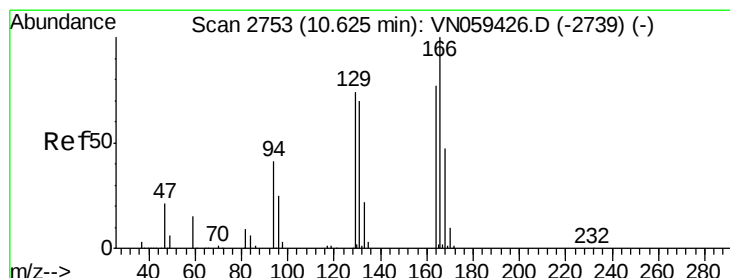
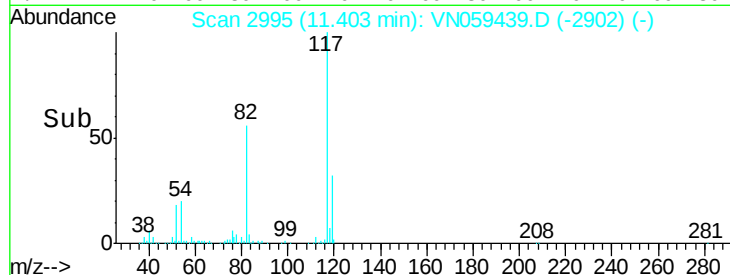
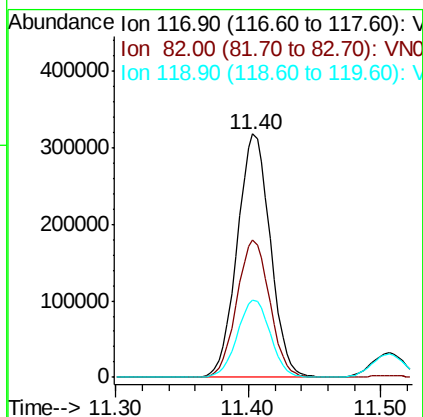
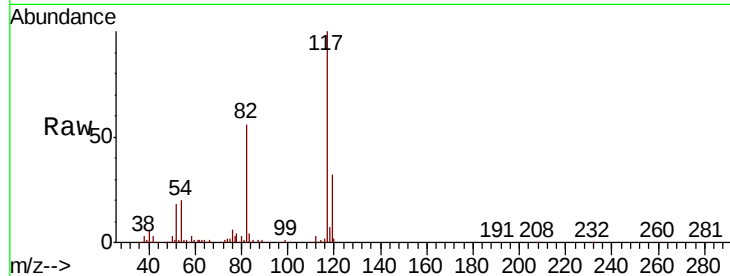
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	31.8	25.6	38.4

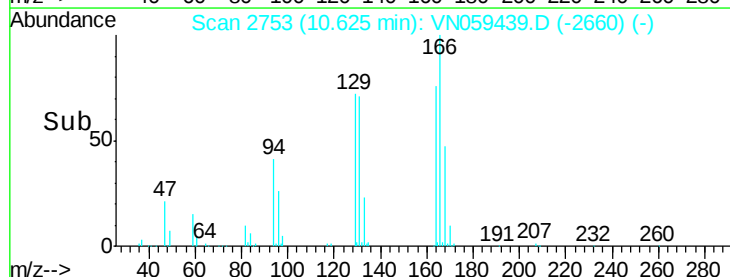
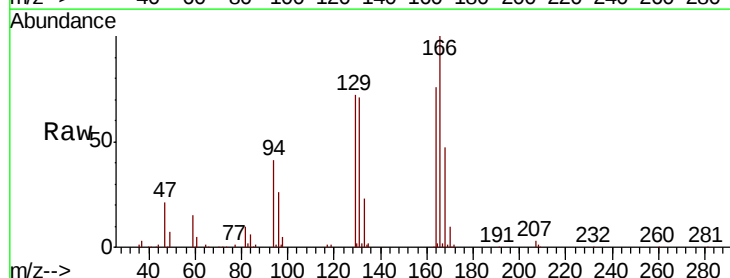
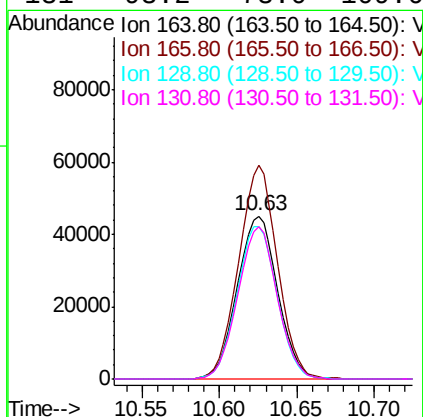
Manual Integrations
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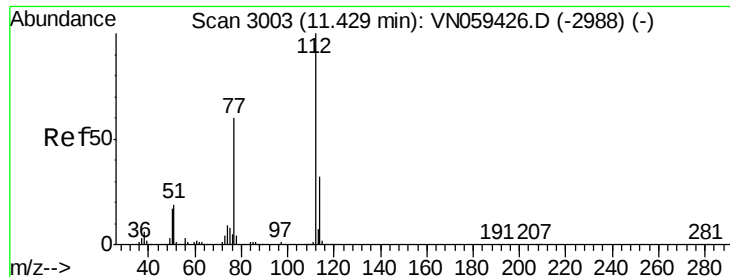
apatel
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#64
Tetrachloroethene
Concen: 19.961 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.2	156.4
129	93.8	76.8	115.2
131	93.2	73.0	109.6





#65

Chlorobenzene

Concen: 19.219 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion:112 Resp: 214531

Ion Ratio Lower Upper

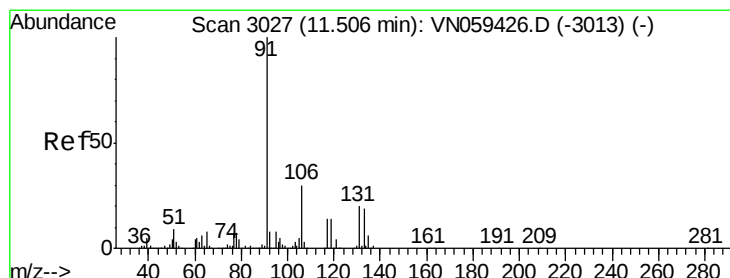
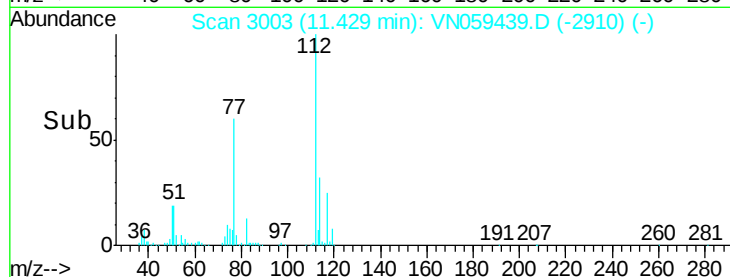
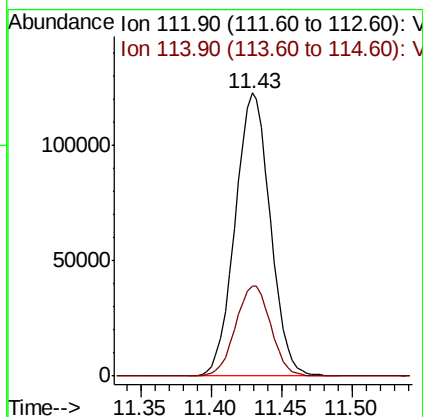
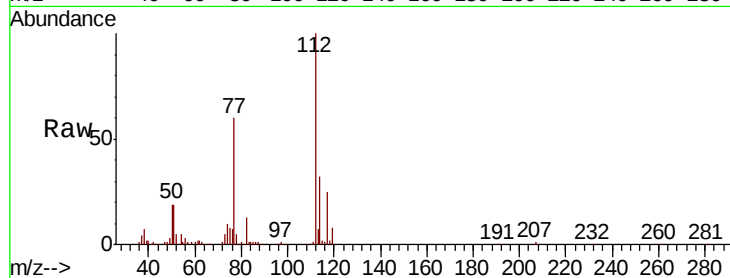
112 100

114 31.9 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.408 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

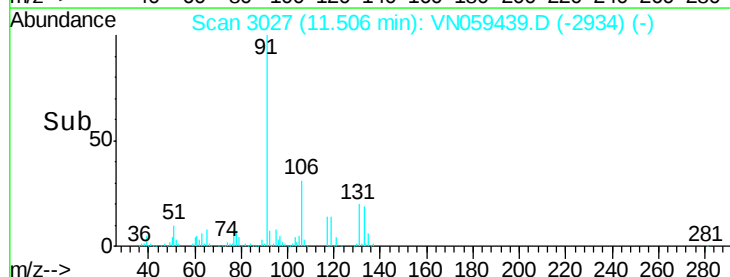
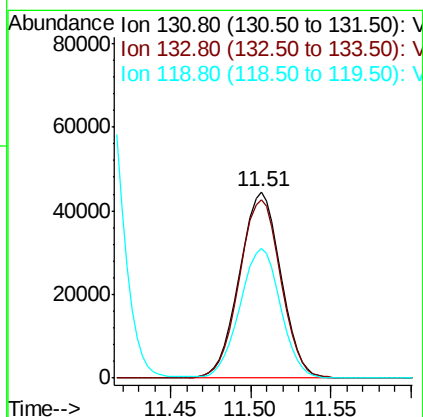
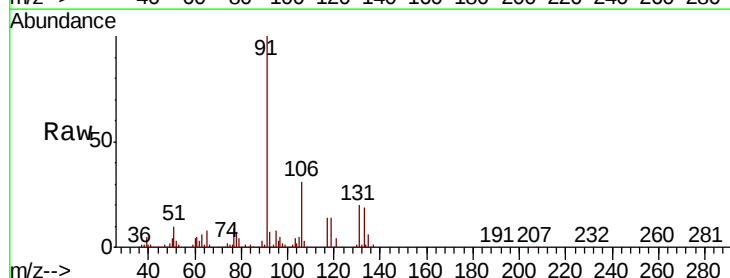
Tgt Ion:131 Resp: 78566

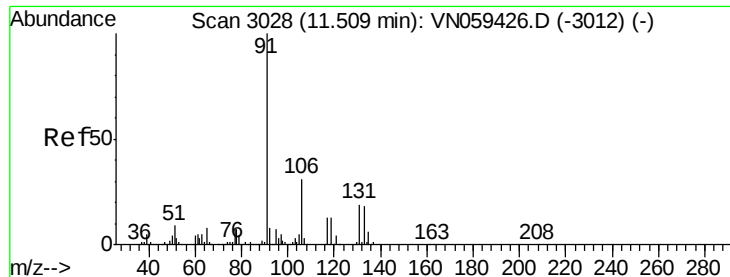
Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

119 68.6 33.8 101.3





#67

Ethyl Benzene

Concen: 19.666 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS01

Tot Ion: 91 Resp: 385591

Ion Ratio Lower Upper

91 100

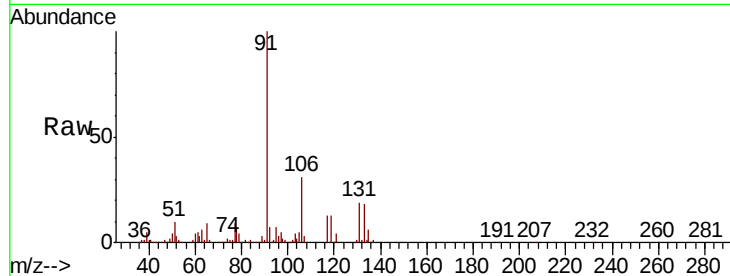
106 31.2 24.7 37.1

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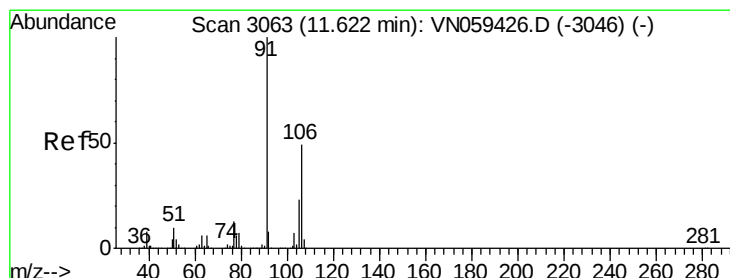
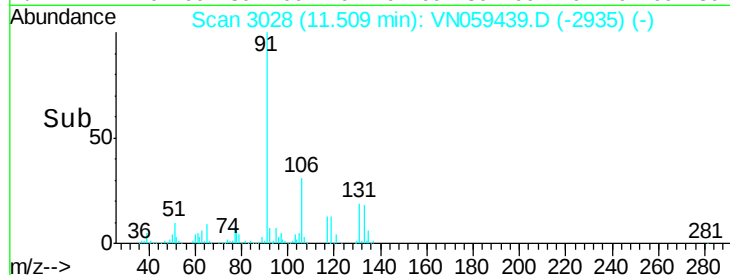
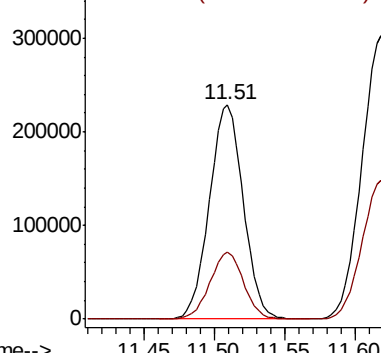
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.325 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059439.D

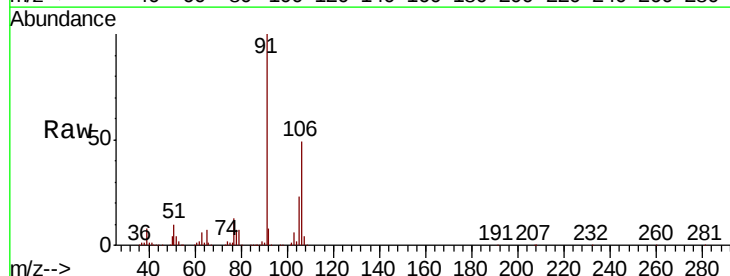
Acq: 29 Nov 2019 11:50

Tgt Ion: 106 Resp: 287874

Ion Ratio Lower Upper

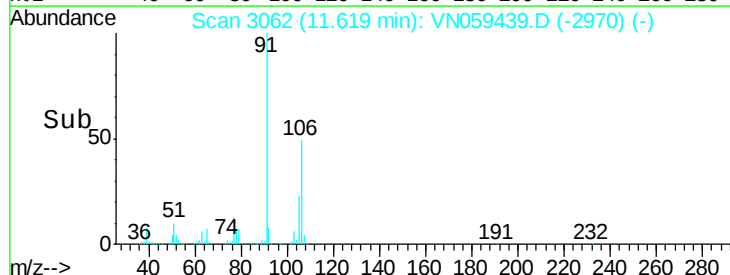
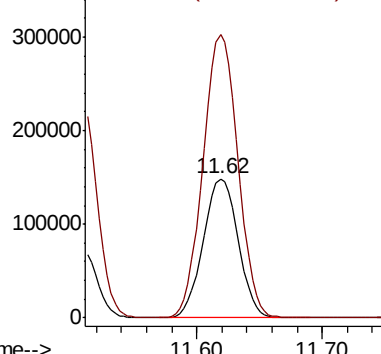
106 100

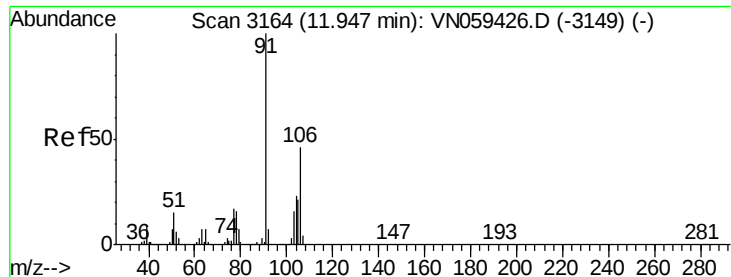
91 202.9 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





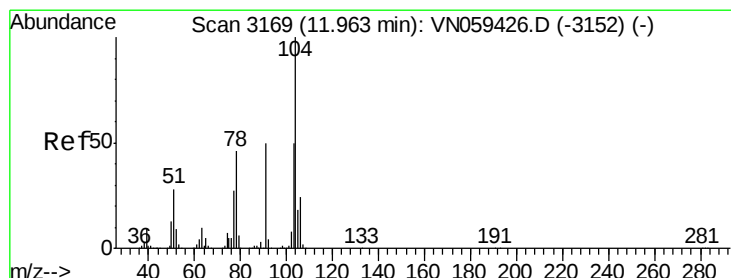
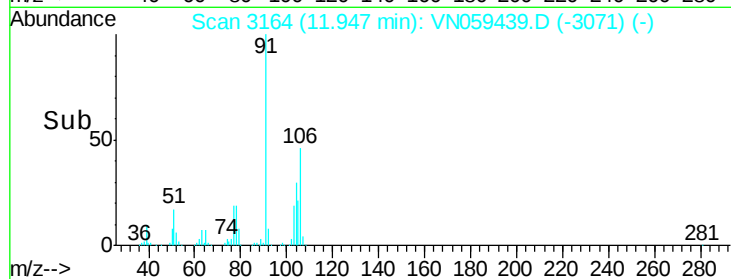
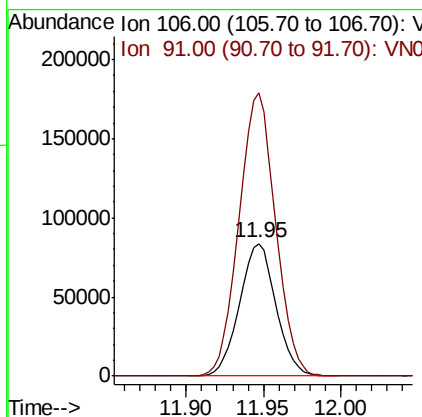
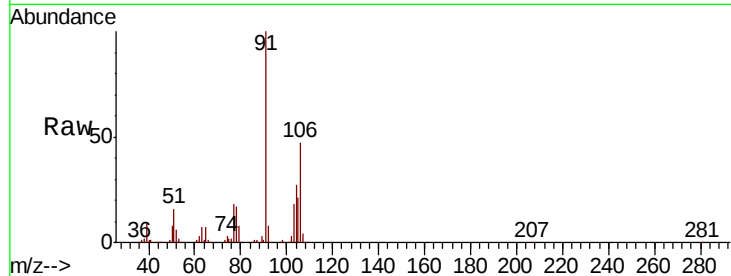
#69
o-Xylene
Concen: 19.520 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :
VN1129WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	215.0	107.5	322.4

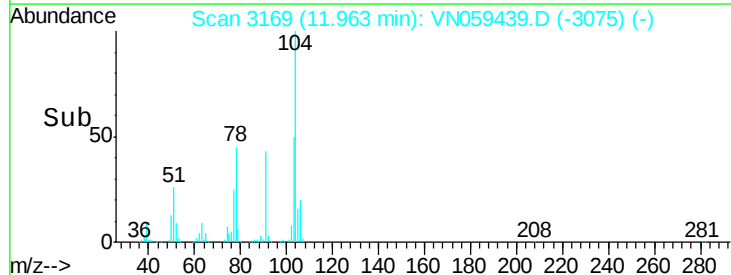
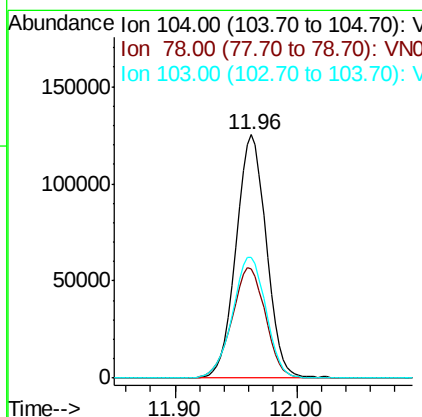
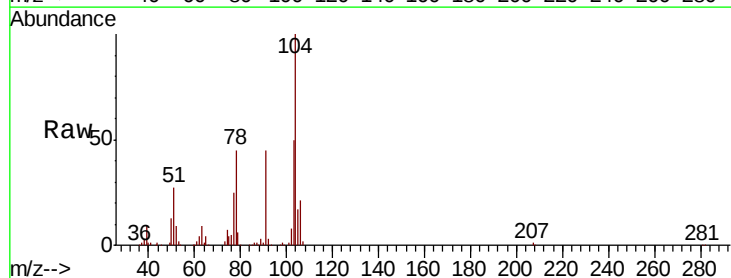
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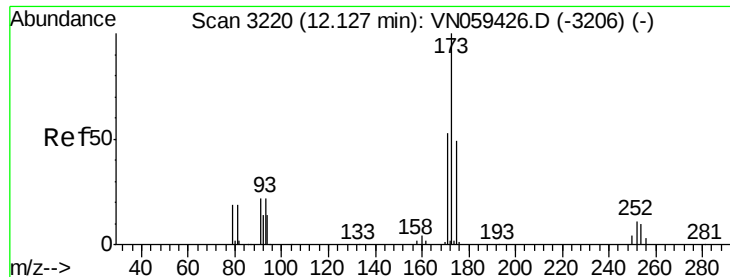
apatel
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#70
Styrene
Concen: 20.668 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.3	40.4	60.6
103	103	55.1	43.8	65.6





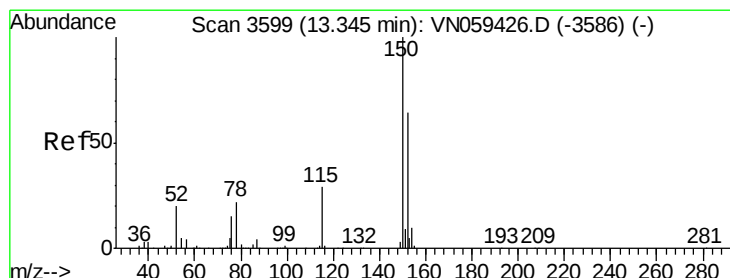
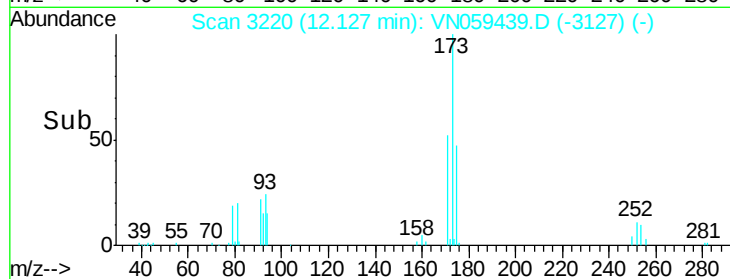
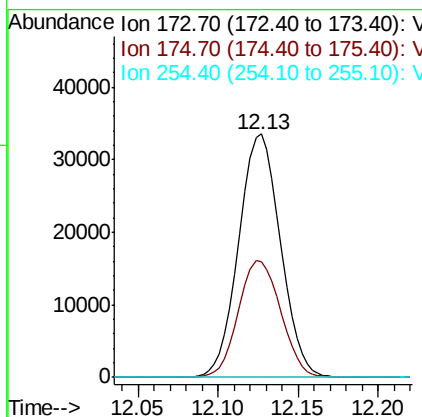
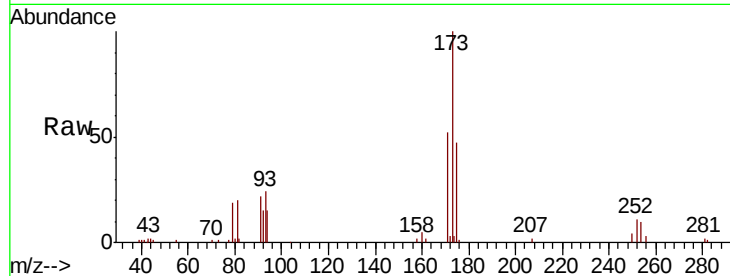
#71
Bromoform
Concen: 19.394 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.0	0.0	0.0

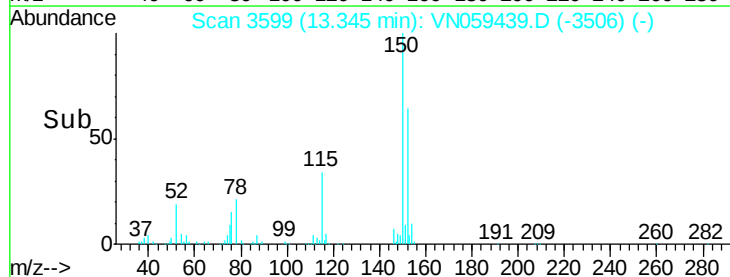
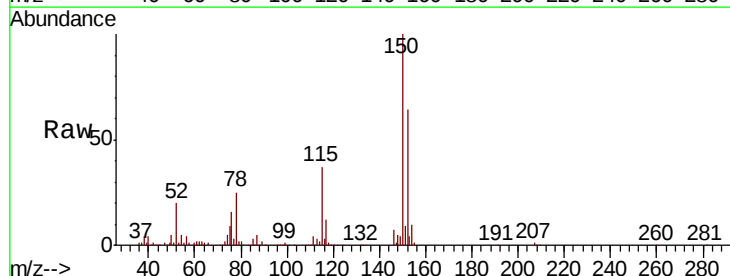
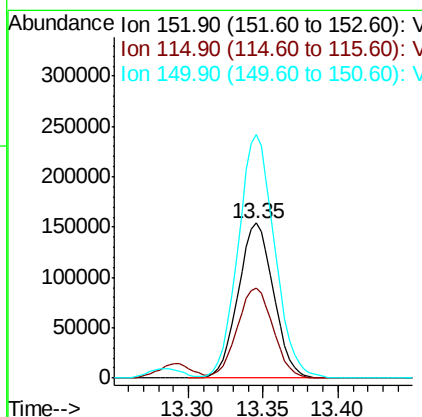
Manual Integrations
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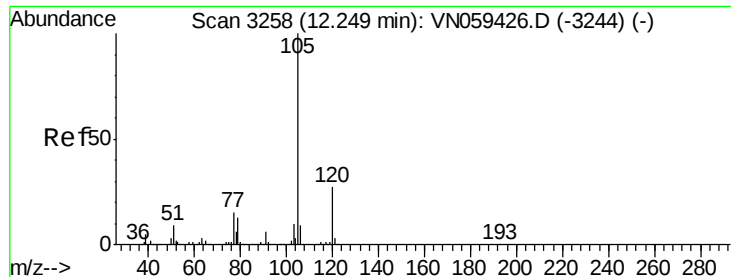
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.5	88.6
150	162.0	0.0	347.2





#73

Isopropylbenzene

Concen: 19.521 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

VN1129WBS01

Tot Ion: 105 Resp: 366701

Ion Ratio Lower Upper

105 100

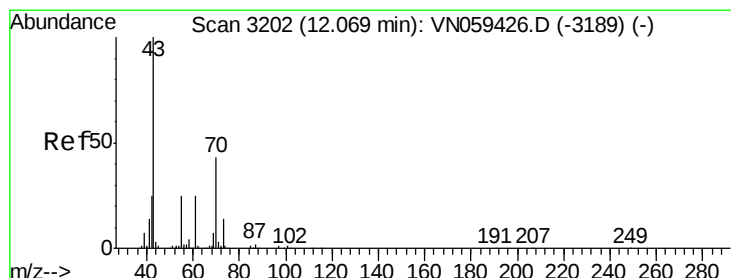
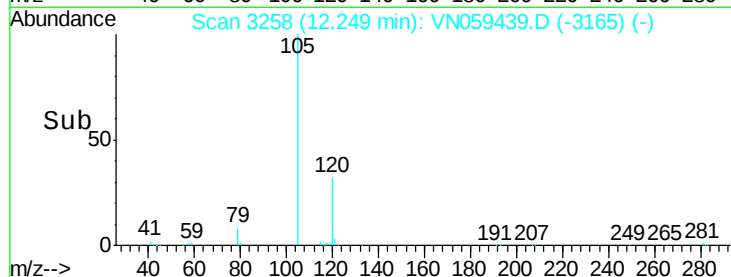
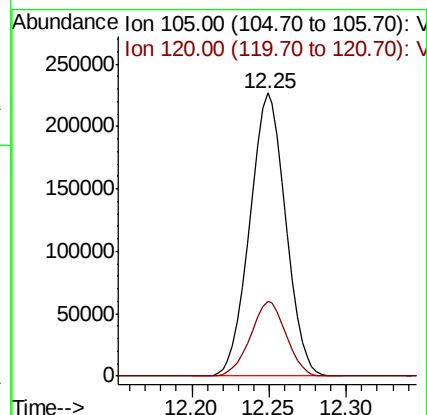
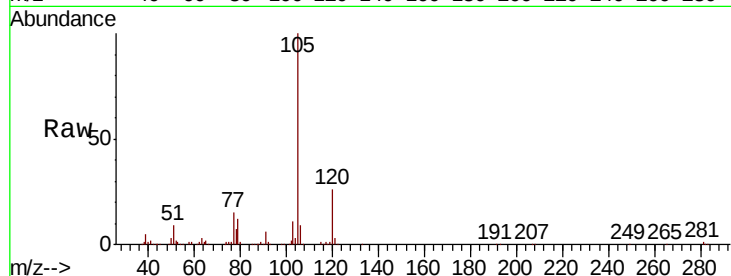
120 26.2 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.755 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion: 43 Resp: 135093

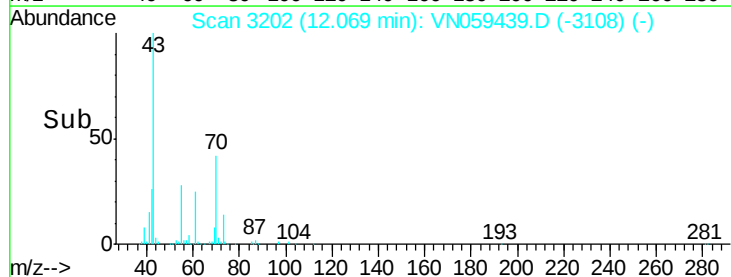
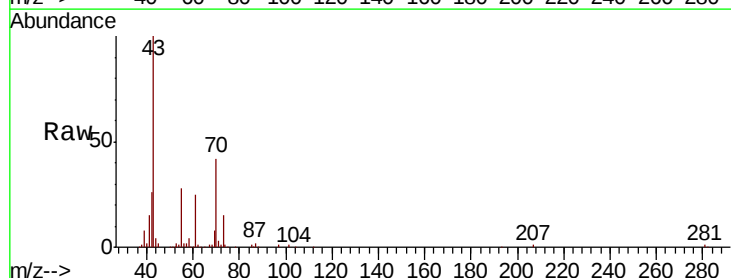
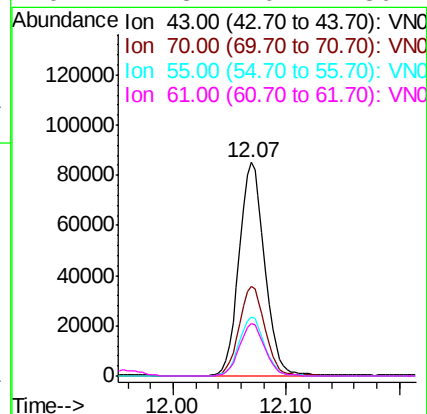
Ion Ratio Lower Upper

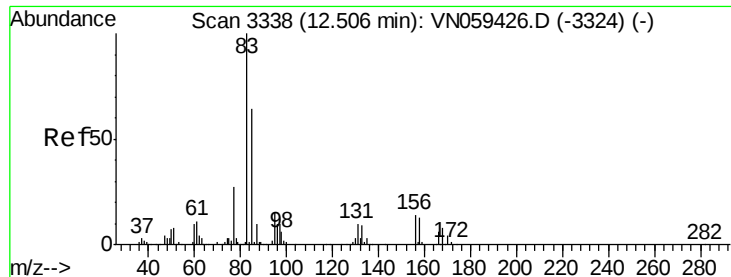
43 100

70 42.3 34.6 52.0

55 27.3 20.5 30.7

61 24.3 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.868 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

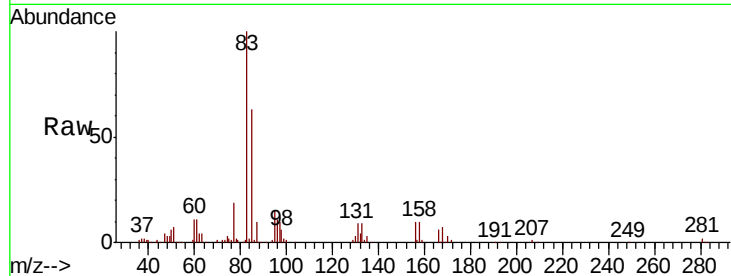
ClientSampleId :

VN1129WBS01

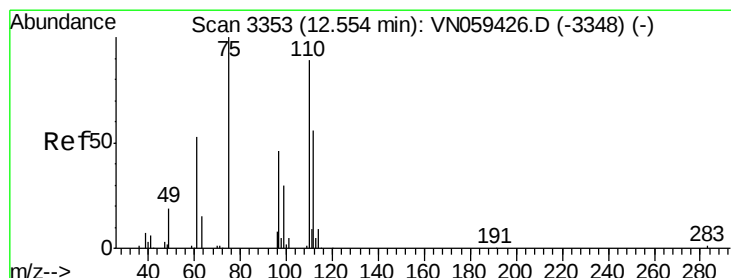
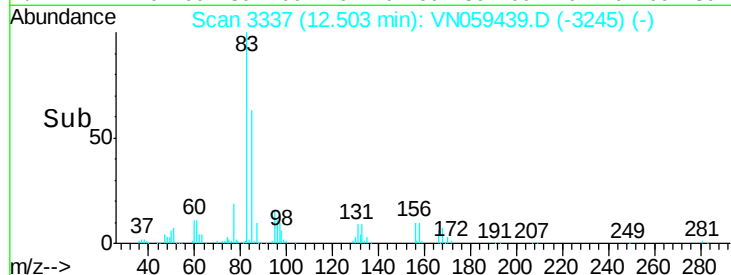
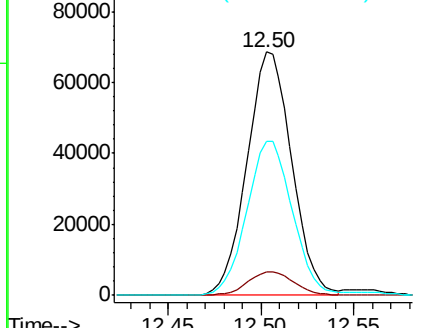
Tot Ion:	83	Resp:	115583
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	64.4	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VN059439.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 20.065 ug/l m

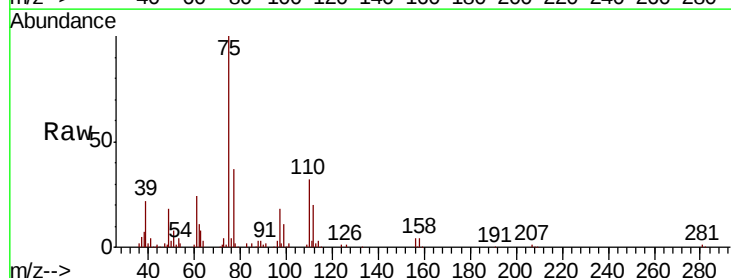
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

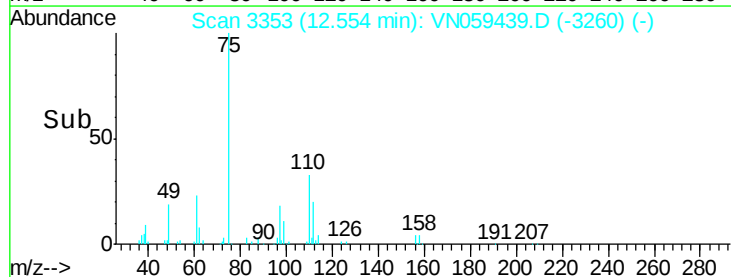
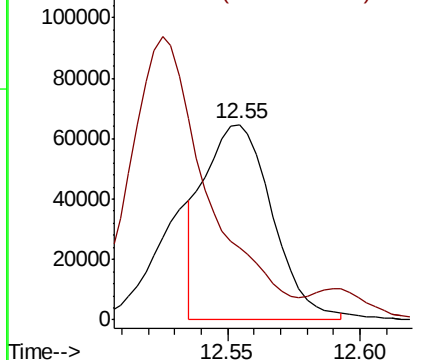
Lab File: VN059439.D

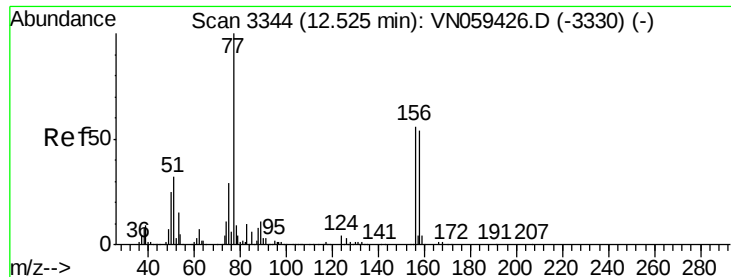
Acq: 29 Nov 2019 11:50

Tgt Ion:	75	Resp:	115100
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059439.D (-3260) (-)





#77

Bromobenzene

Concen: 19.726 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

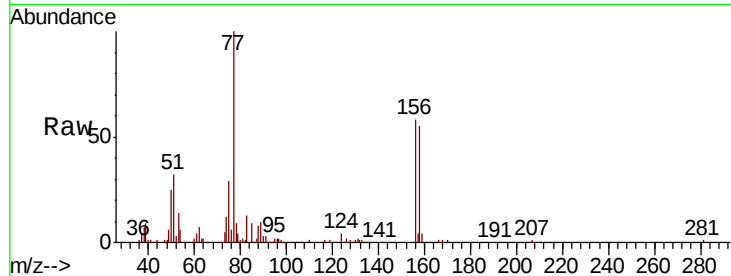
ClientSampleId :

VN1129WBS01

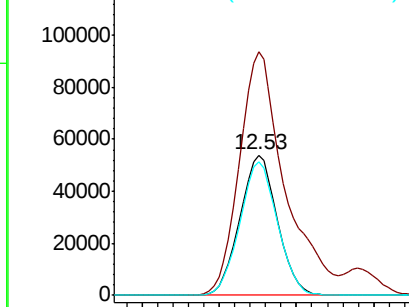
Tot Ion:	156	Resp:	90720
Ion Ratio	Lower	Upper	
156	100		
77	212.2	108.7	326.3
158	95.4	48.3	144.9

Manual Integrations
APPROVED

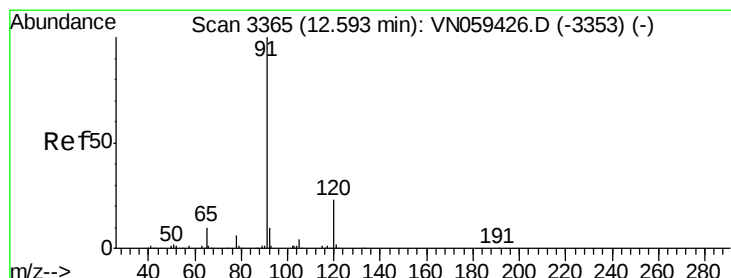
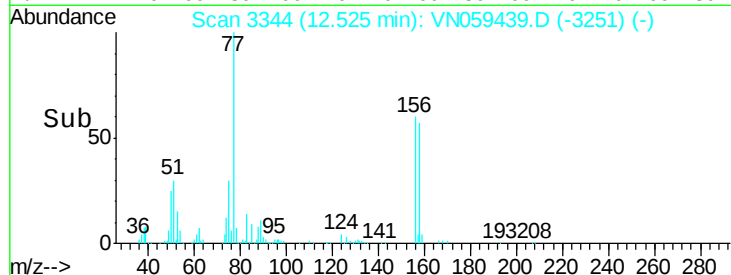
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.550 ug/l

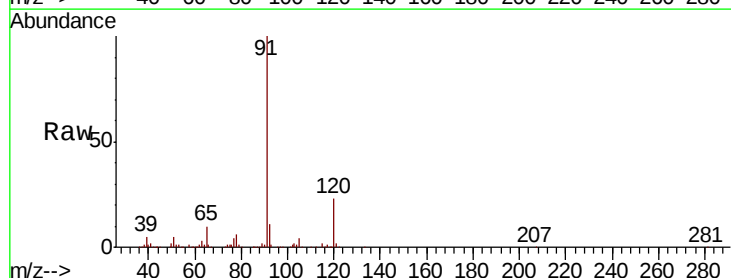
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

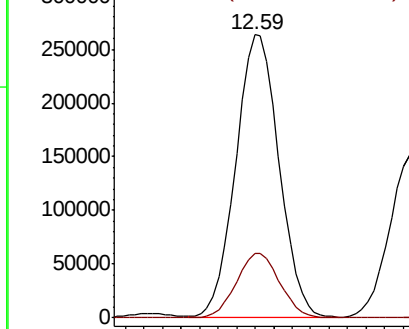
Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

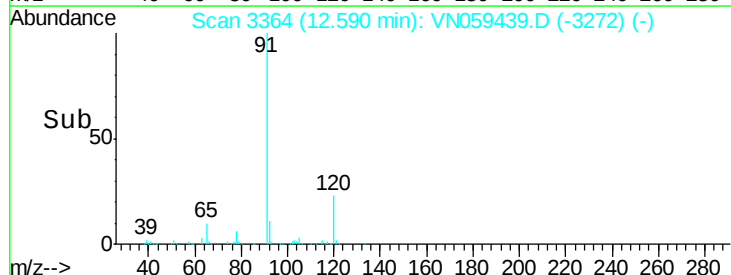
Tgt Ion:	91	Resp:	423209
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4

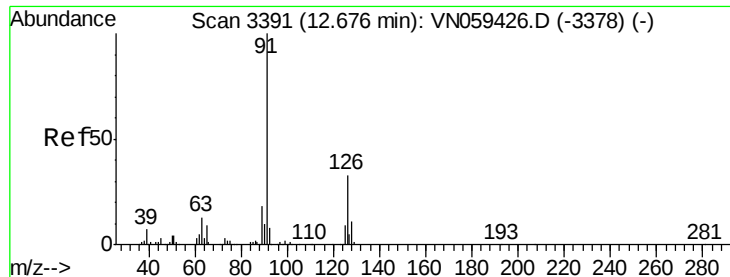


Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V



Time-->





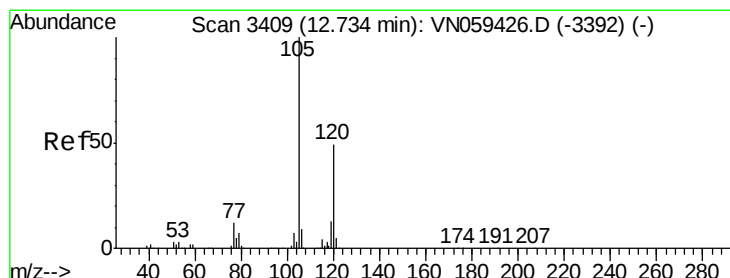
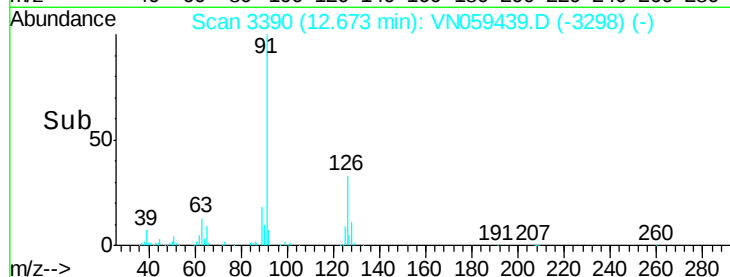
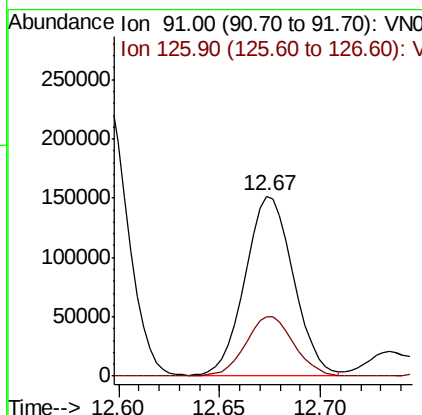
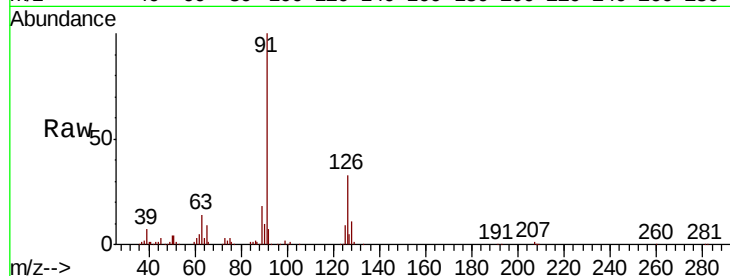
#79
2-Chlorotoluene
Concen: 19.487 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion: 91 Resp: 252202
Ion Ratio Lower Upper
91 100
126 33.3 16.7 50.1

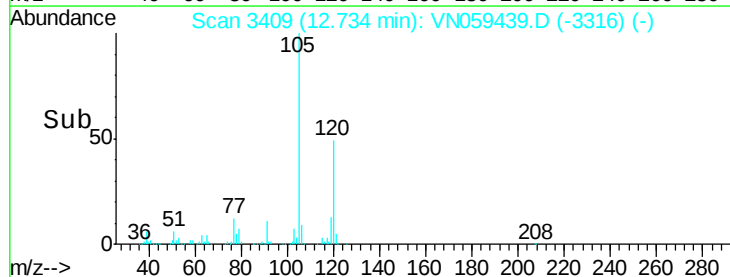
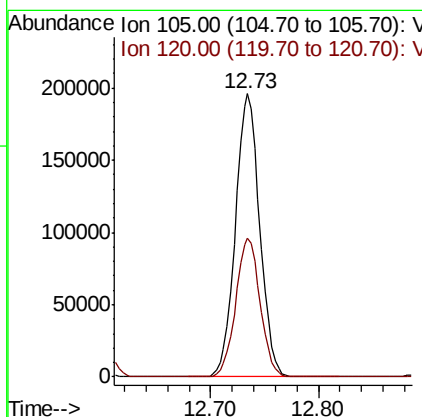
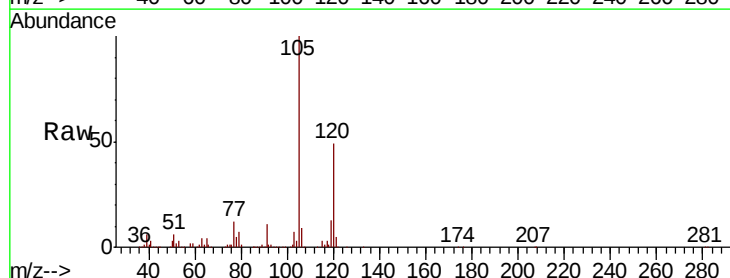
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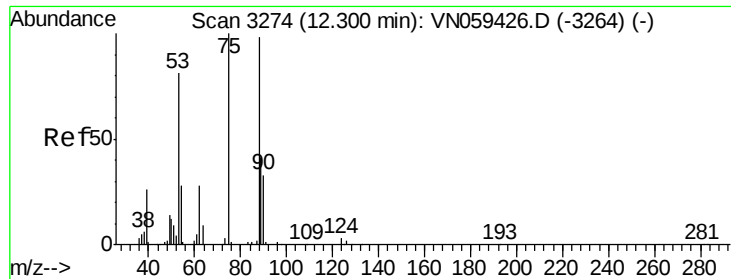
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#80
1,3,5-Trimethylbenzene
Concen: 19.462 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 105 Resp: 307311
Ion Ratio Lower Upper
105 100
120 49.2 24.6 73.8





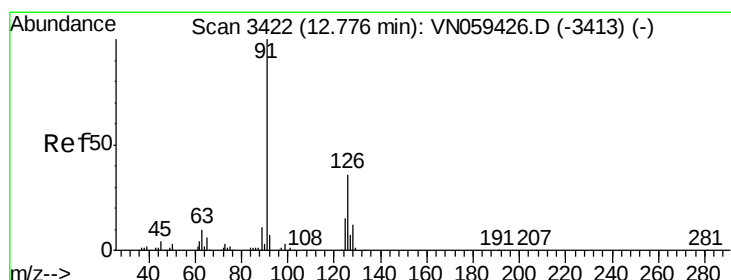
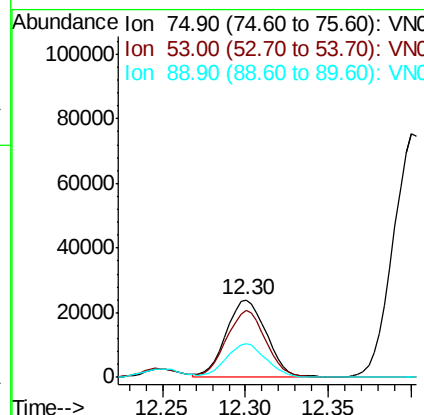
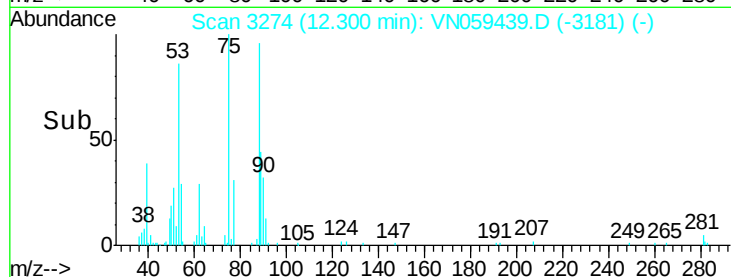
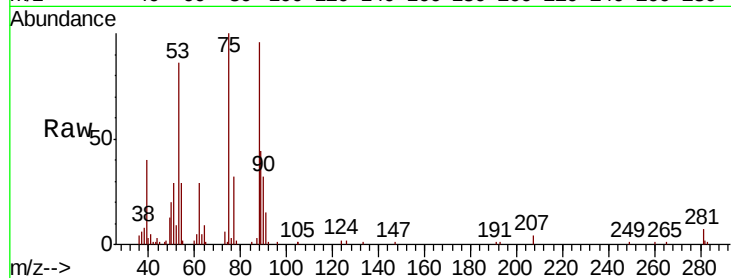
#81
trans-1,4-Dichloro-2-butene
Concen: 17.947 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.8	66.2	99.4
89	44.1	33.9	50.9

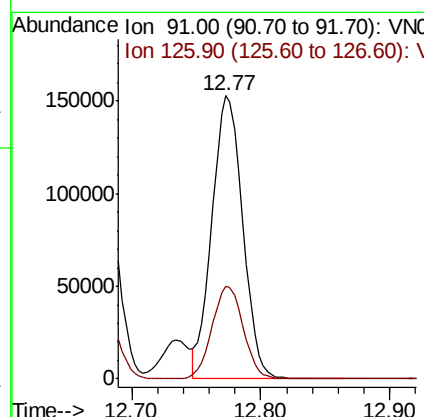
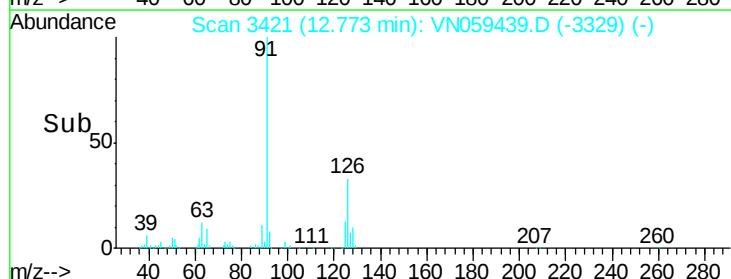
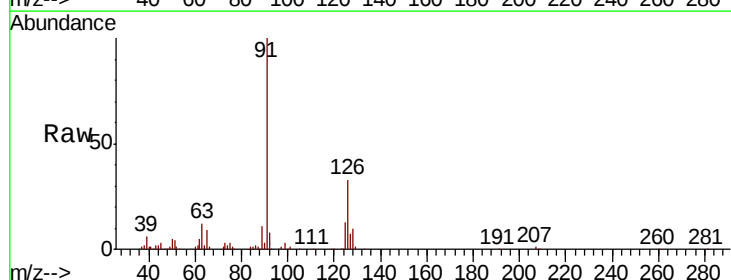
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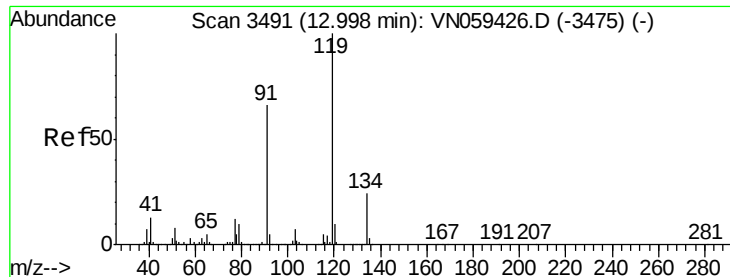
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#82
4-Chlorotoluene
Concen: 19.006 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.0





#83

tert-Butylbenzene

Concen: 19.245 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

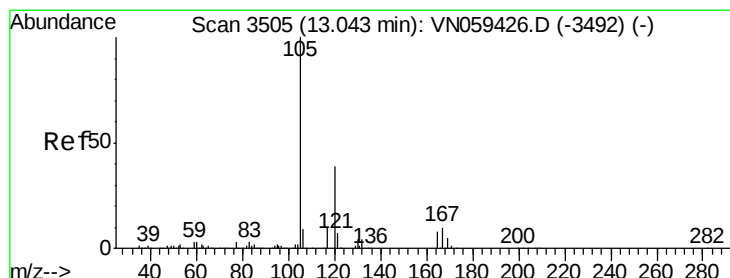
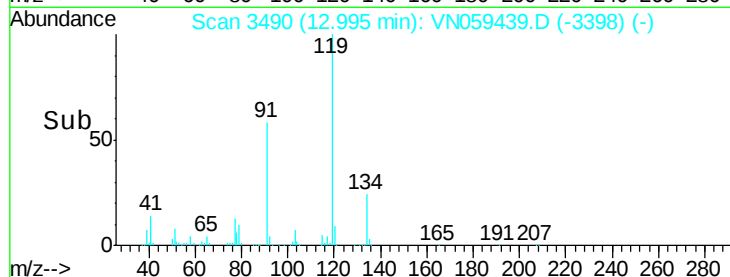
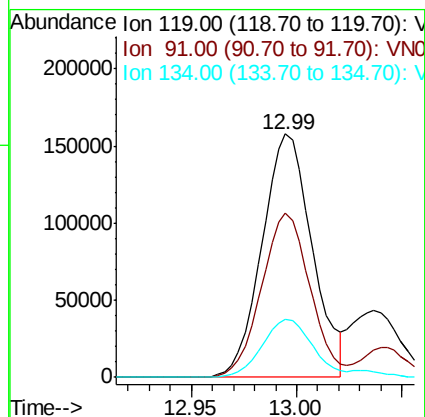
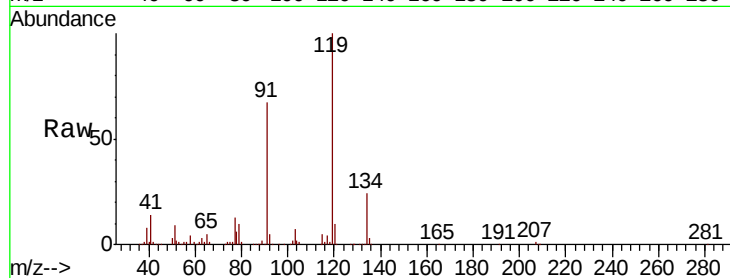
ClientSampleId :

VN1129WBS01

Tot Ion:	119	Resp:	260934
Ion Ratio	Lower	Upper	
119	100		
91	65.5	32.8	98.4
134	23.9	12.9	38.6

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#84

1,2,4-Trimethylbenzene

Concen: 19.516 ug/l

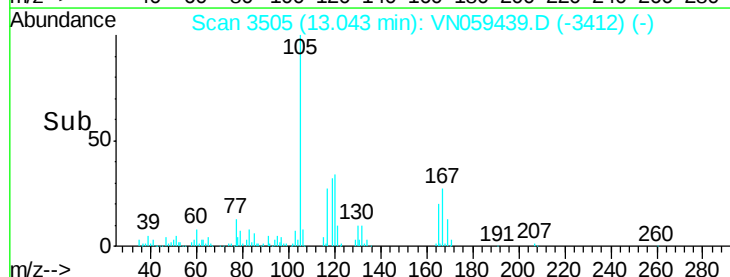
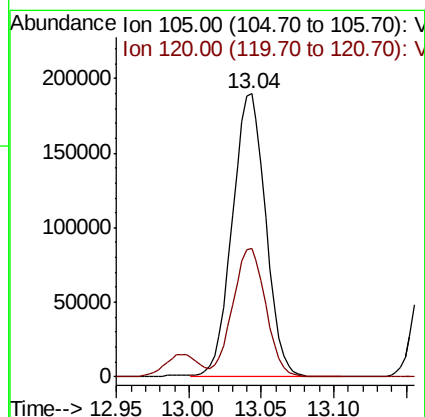
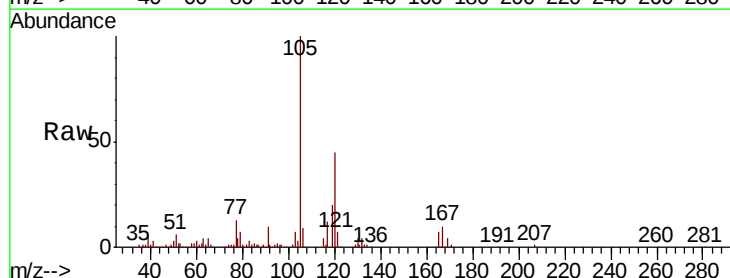
RT: 13.04 min Scan# 3505

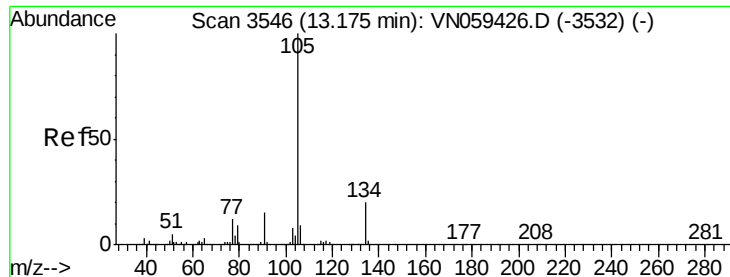
Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion:	105	Resp:	301881
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 19.400 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBS01

Tot Ion:105 Resp: 349309

Ion Ratio Lower Upper

105 100

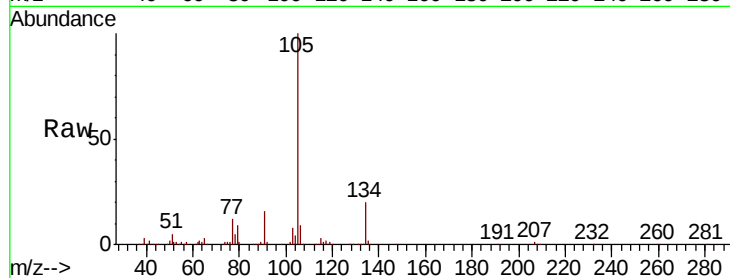
134 20.0 9.9 29.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

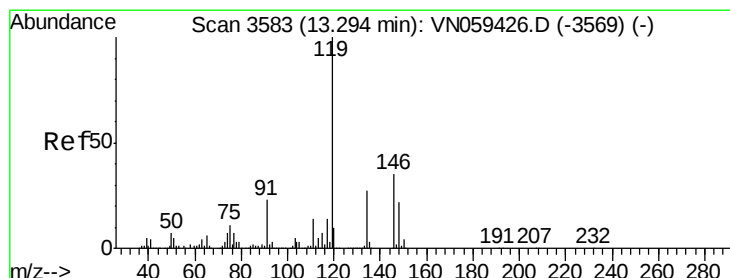
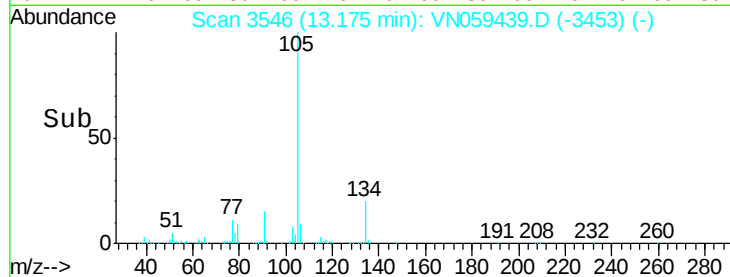
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.384 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

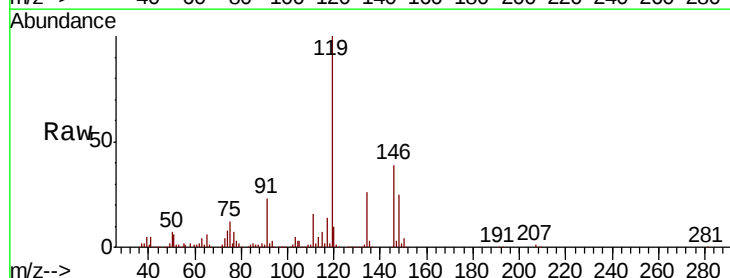
Tgt Ion:119 Resp: 315531

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 23.3 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

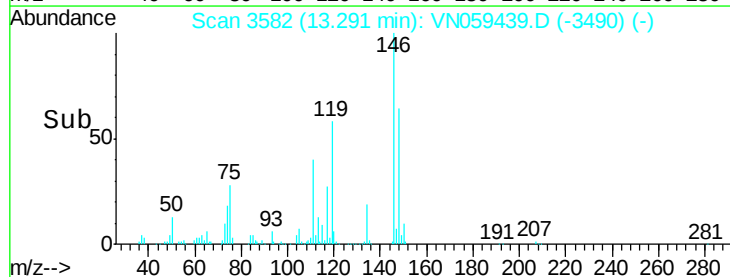
150000

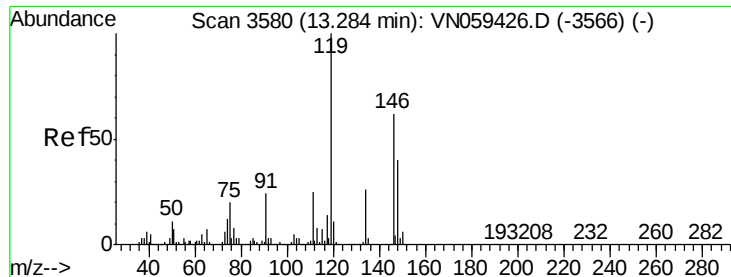
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.176 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059439.D

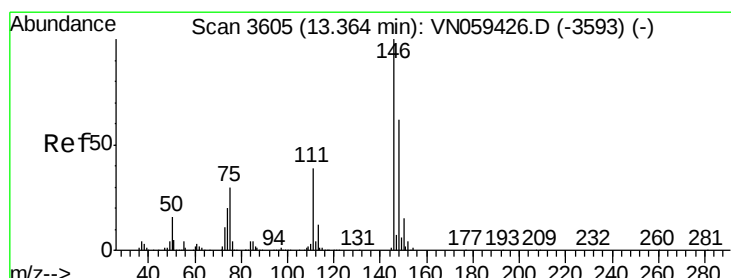
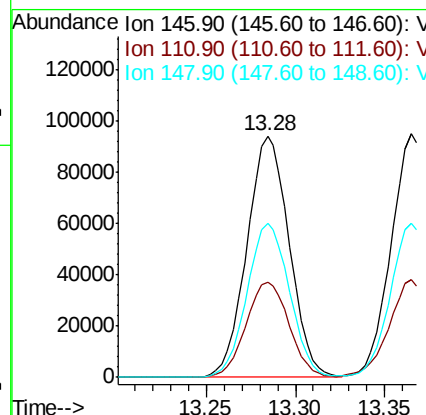
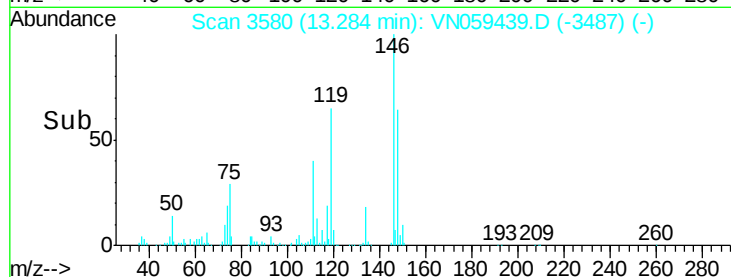
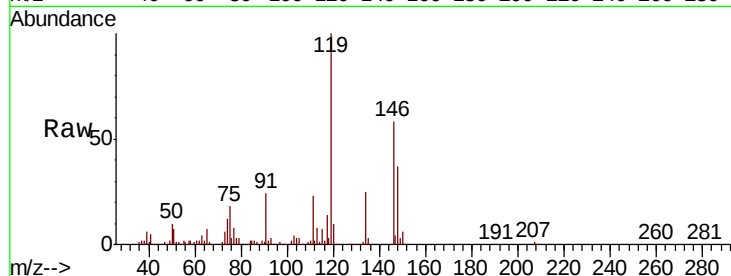
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156295		
111	40.1	20.4	61.2	
148	64.2	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 18.793 ug/l

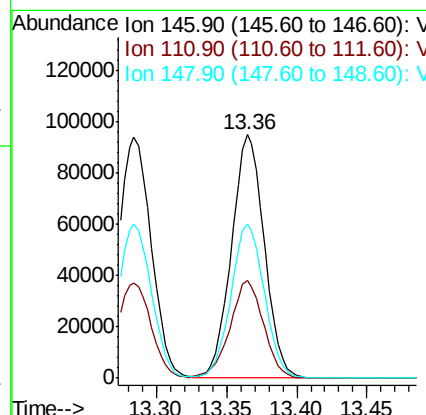
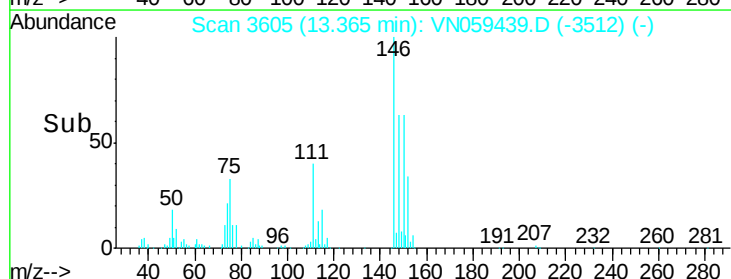
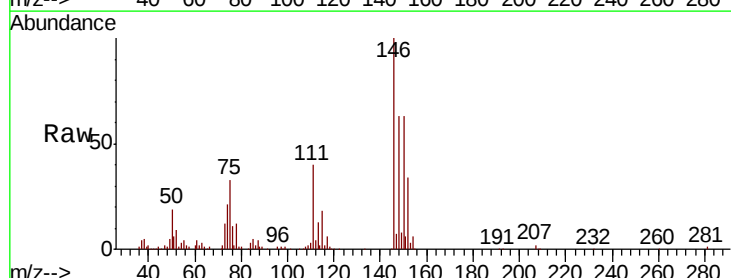
RT: 13.36 min Scan# 3605

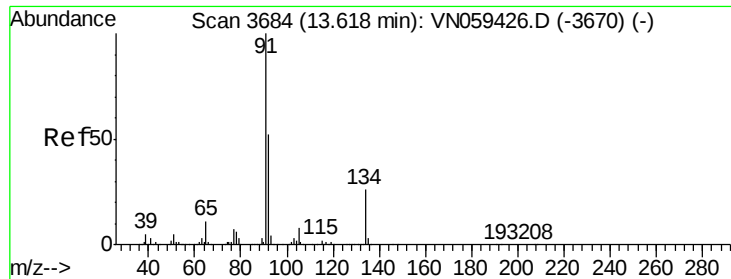
Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	153777		
111	41.3	19.9	59.7	
148	64.8	31.6	95.0	





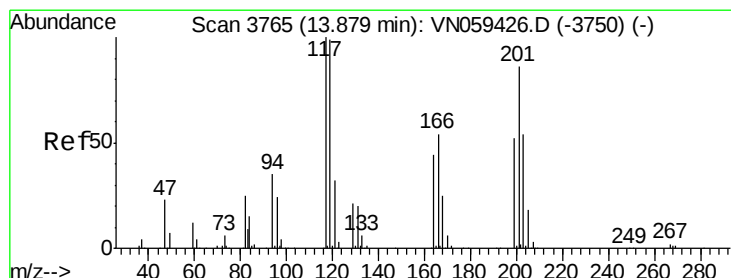
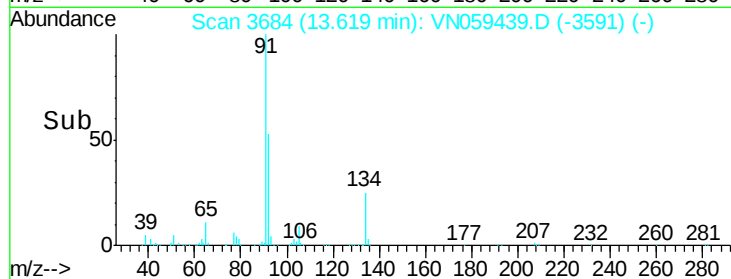
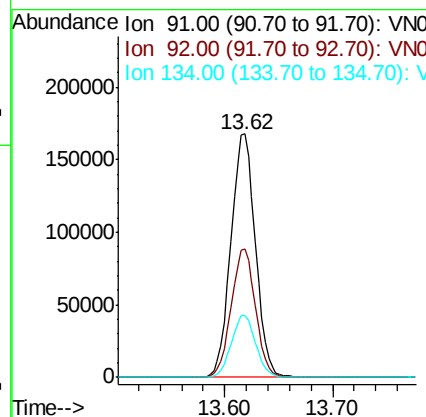
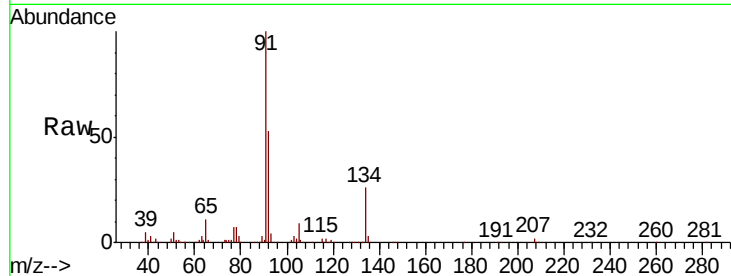
#89
n-Butylbenzene
Concen: 18.697 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	25.3	12.8	38.4

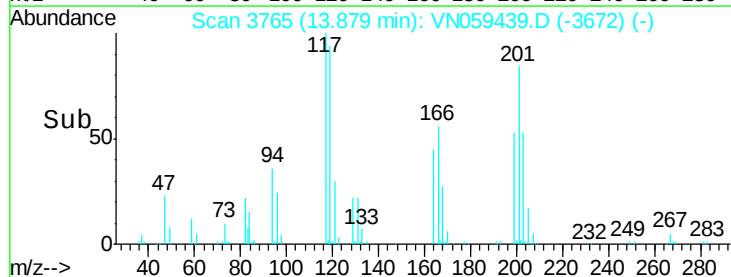
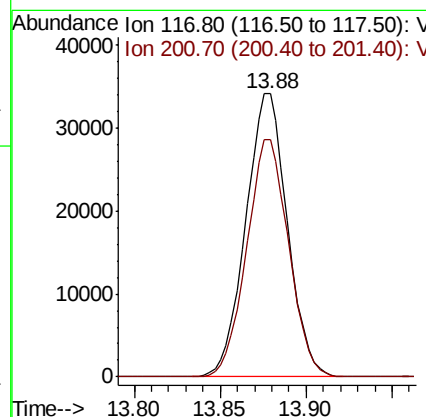
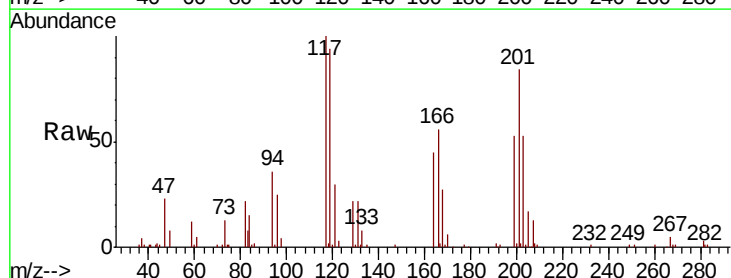
Manual Integrations
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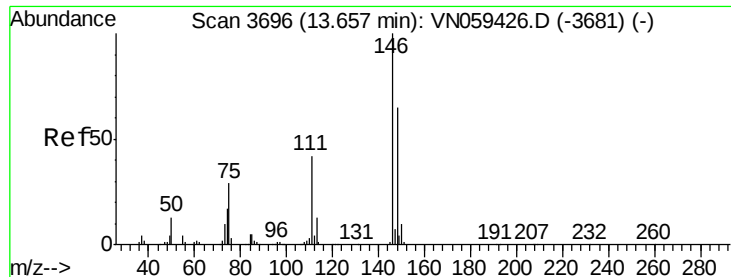
apatel
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#90
Hexachloroethane
Concen: 18.390 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	42.1	126.4





#91

1,2-Dichlorobenzene

Concen: 19.079 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

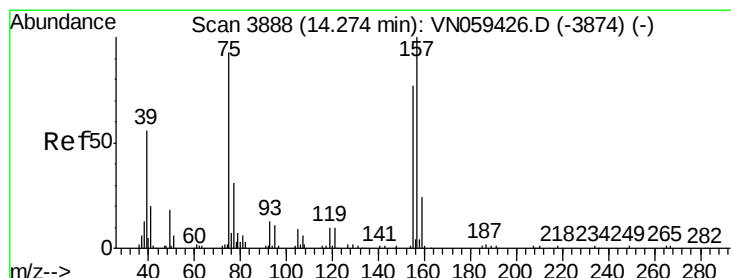
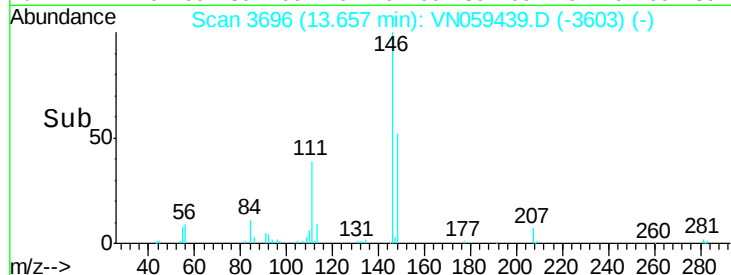
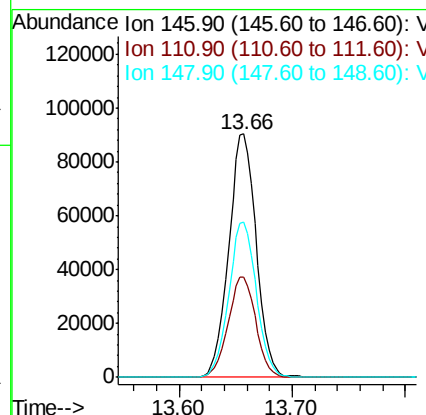
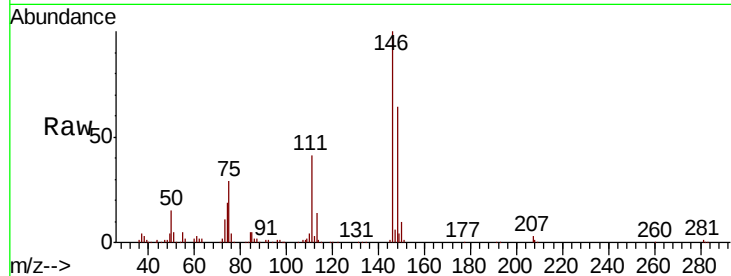
ClientSampleId :

VN1129WBS01

Tot Ion:	146	Resp:	152374
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.3	63.7
148	63.9	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.906 ug/l

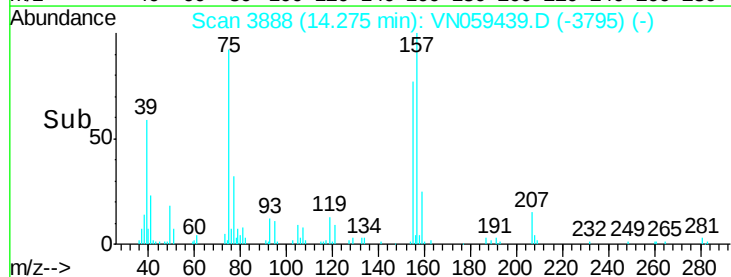
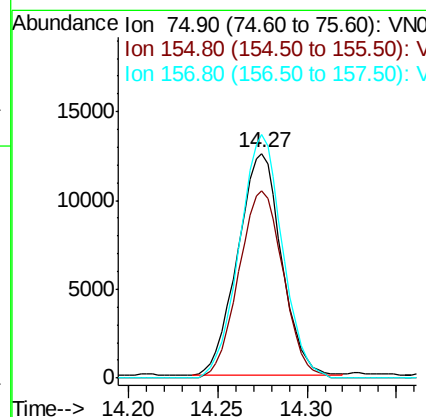
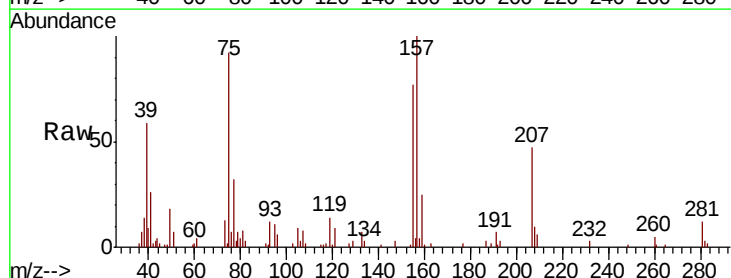
RT: 14.27 min Scan# 3888

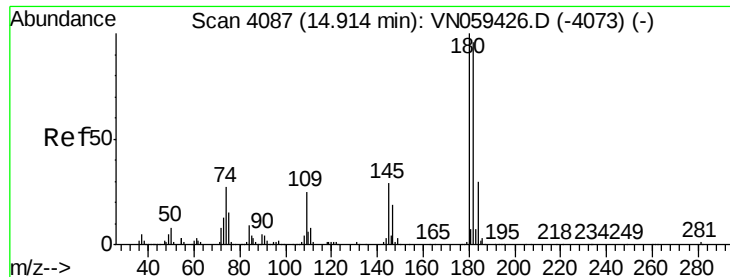
Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion:	75	Resp:	21463
Ion Ratio	Lower	Upper	
75	100		
155	85.6	41.9	125.8
157	107.7	54.1	162.3





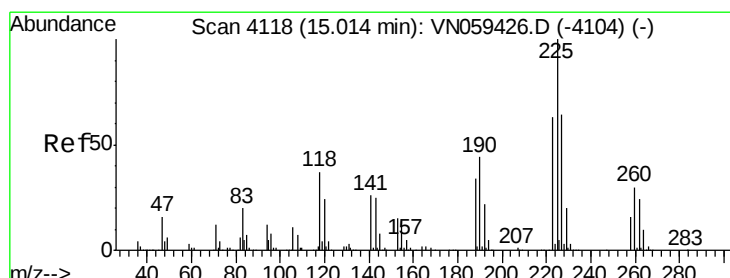
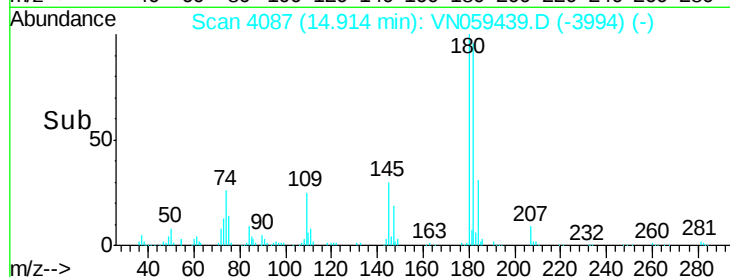
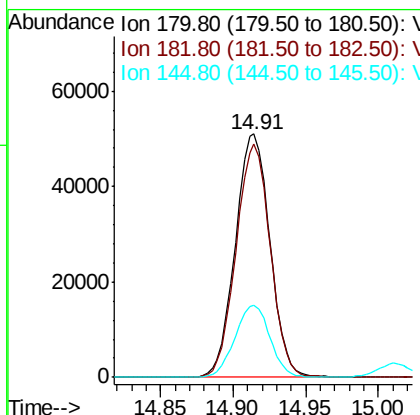
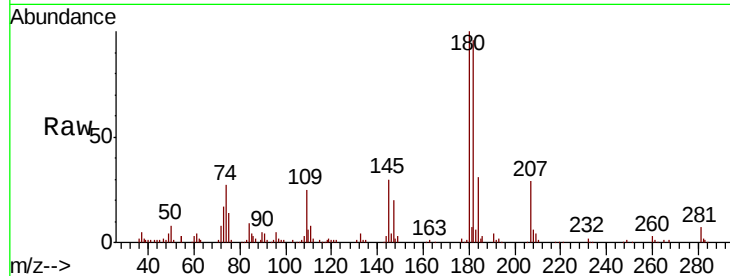
#93
 1,2,4-Trichlorobenzene
 Concen: 17.102 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	29.9	14.8	44.4

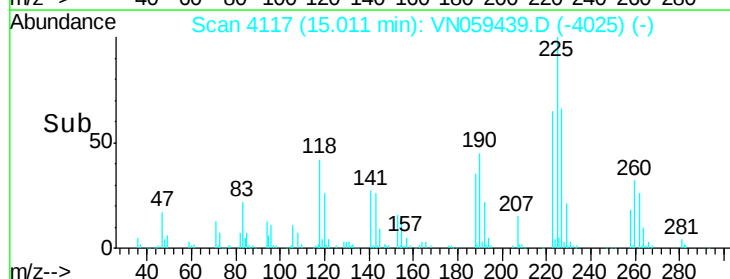
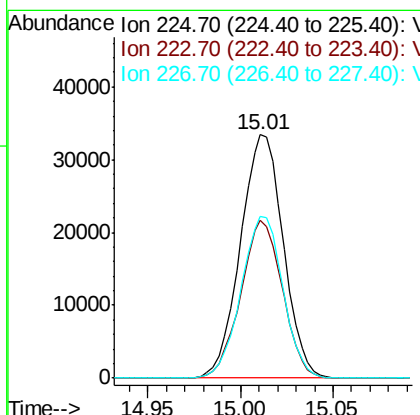
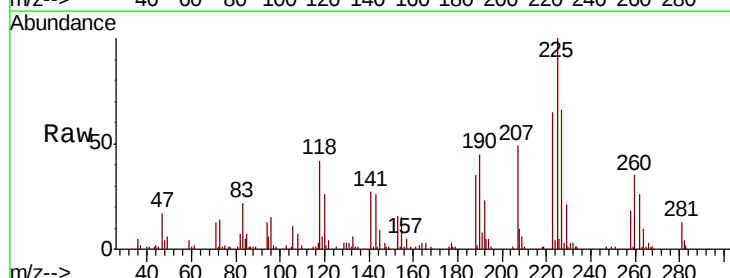
Manual Integrations
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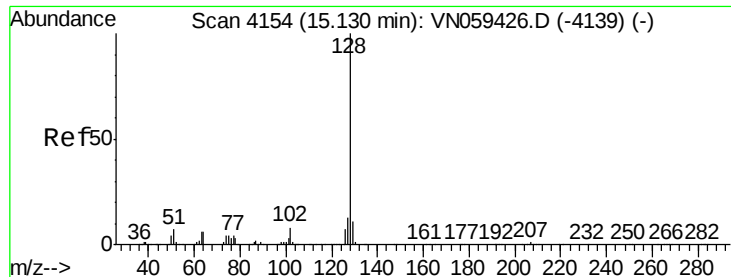
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#94
 Hexachlorobutadiene
 Concen: 17.668 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.9	31.9	95.7





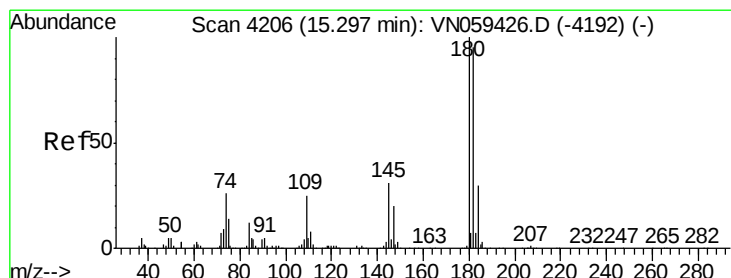
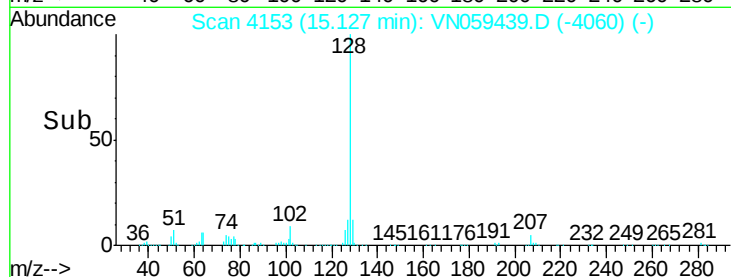
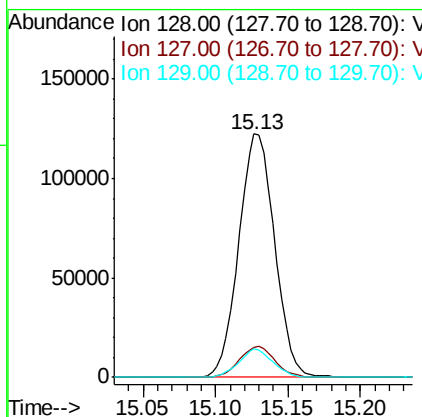
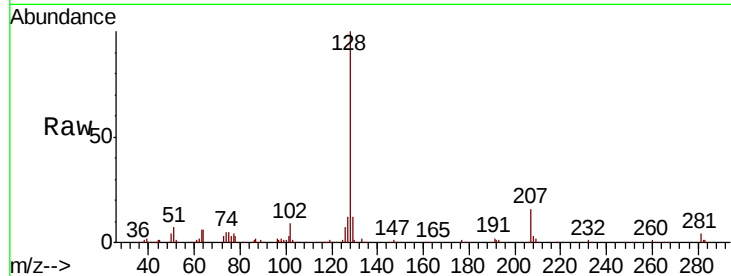
#95
Naphthalene
Concen: 20.223 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.0	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 20.397 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	33.1	15.7	47.1

