

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059443.D
 Acq On : 29 Nov 2019 13:17
 Operator : JC/SP
 Sample : VN1129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

Manual Integrations
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 12/2/2019 10:38:55 AM

Quant Time: Nov 29 23:24:17 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	7.65	168	346262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	544541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	486316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	198516	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.57	113	158774	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.08	98	626878	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.40	95	212712	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86163	21.142	ug/l	98
3) Chloromethane	2.04	50	102045	20.499	ug/l	98
4) Vinyl Chloride	2.17	62	98708	20.634	ug/l	100
5) Bromomethane	2.55	94	55660	19.325	ug/l	95
6) Chloroethane	2.68	64	53386	19.904	ug/l	99
7) Trichlorofluoromethane	3.00	101	119182	20.916	ug/l	97
8) Diethyl Ether	3.39	74	46469	20.039	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72107	20.547	ug/l	99
10) Methyl Iodide	3.93	142	89321	19.555	ug/l	98
11) Tert butyl alcohol	4.76	59	68952	98.130	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	71264	20.736	ug/l	99
13) Acrolein	3.58	56	52177	76.069	ug/l	99
14) Allyl chloride	4.29	41	127583	20.016	ug/l	98
15) Acrylonitrile	4.96	53	200372	102.337	ug/l	99
16) Acetone	3.79	43	205441	106.318	ug/l	100
17) Carbon Disulfide	4.03	76	225334	19.106	ug/l	100
18) Methyl Acetate	4.30	43	100851	19.166	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	228741	20.654	ug/l	99
20) Methylene Chloride	4.52	84	79086	20.142	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	76425	20.410	ug/l	98
22) Diisopropyl ether	5.92	45	246470	20.808	ug/l	96
23) Vinyl Acetate	5.87	43	995717	104.198	ug/l	100
24) 1,1-Dichloroethane	5.82	63	141648	20.784	ug/l	99
25) 2-Butanone	6.81	43	270877	101.899	ug/l	99
26) 2,2-Dichloropropane	6.80	77	120729	20.816	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	84440	20.619	ug/l	100
28) Bromochloromethane	7.17	49	57521	20.506	ug/l	100
29) Tetrahydrofuran	7.19	42	179183	101.350	ug/l	99
30) Chloroform	7.35	83	134199	19.568	ug/l	98
31) Cyclohexane	7.63	56	136142	19.927	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	116203	20.720	ug/l	99
36) 1,1-Dichloropropene	7.77	75	106471	20.332	ug/l	99
37) Ethyl Acetate	6.90	43	111279	20.085	ug/l	98
38) Carbon Tetrachloride	7.75	117	101042	20.446	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	126893	20.255	ug/l	99
40) Benzene	8.02	78	314662	20.238	ug/l	100
41) Methacrylonitrile	7.15	41	40988m	15.888	ug/l	
42) 1,2-Dichloroethane	8.10	62	104895	21.276	ug/l	100
43) Isopropyl Acetate	8.15	43	169489	20.137	ug/l	93
44) Trichloroethene	8.82	130	81658	20.597	ug/l	100
45) 1,2-Dichloropropane	9.10	63	82755	20.348	ug/l	100
46) Dibromomethane	9.19	93	51312	20.445	ug/l	99
47) Bromodichloromethane	9.39	83	102828	20.257	ug/l	100
48) Methyl methacrylate	9.19	41	71952	19.269	ug/l	98
49) 1,4-Dioxane	9.19	88	22028	403.910	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	505881	103.621	ug/l	99
52) Toluene	10.15	92	191074	20.570	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	117042	20.066	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	127026	20.174	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	73271	20.153	ug/l	97
56) Ethyl methacrylate	10.42	69	105060	21.233	ug/l	97
57) 1,3-Dichloropropane	10.70	76	128115	20.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	181069	116.233	ug/l	99
59) 2-Hexanone	10.75	43	369179	101.980	ug/l	98
60) Dibromochloromethane	10.90	129	77740	20.484	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74865	20.094	ug/l	100
64) Tetrachloroethene	10.63	164	76461	21.257	ug/l	99
65) Chlorobenzene	11.43	112	196525	19.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73235	20.512	ug/l	99
67) Ethyl Benzene	11.51	91	351870	20.348	ug/l	99
68) m/p-Xylenes	11.62	106	258487	40.035	ug/l	99
69) o-Xylene	11.95	106	123266	19.907	ug/l	98
70) Styrene	11.96	104	192860	21.025	ug/l	99
71) Bromoform	12.13	173	53916	19.833	ug/l #	98
73) Isopropylbenzene	12.25	105	330324	20.253	ug/l	99
74) N-amyl acetate	12.07	43	119733	21.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	103674	19.492	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105270m	21.136	ug/l	
77) Bromobenzene	12.53	156	81018	20.289	ug/l	99
78) n-propylbenzene	12.59	91	382890	20.372	ug/l	99
79) 2-Chlorotoluene	12.68	91	227577	20.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	278519	20.315	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35935	18.538	ug/l	93
82) 4-Chlorotoluene	12.77	91	231571	20.030	ug/l	99
83) tert-Butylbenzene	12.99	119	235371	19.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273399	20.357	ug/l	98
85) sec-Butylbenzene	13.17	105	317390	20.302	ug/l	99
86) p-Isopropyltoluene	13.29	119	285042	20.169	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	139612	19.728	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136782	19.253	ug/l	98
89) n-Butylbenzene	13.62	91	242136	19.599	ug/l	99
90) Hexachloroethane	13.88	117	52913	19.588	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	135906	19.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21273	23.158	ug/l	93

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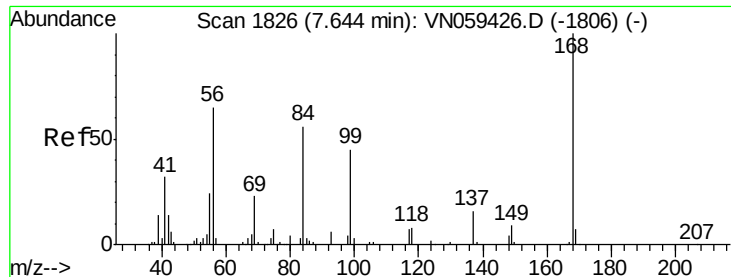
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73913	17.148	ug/l	98
94) Hexachlorobutadiene	15.01	225	51027	19.317	ug/l	100
95) Naphthalene	15.13	128	190335	21.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76146	21.297	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion:168 Resp: 346262

Ion Ratio Lower Upper

168 100

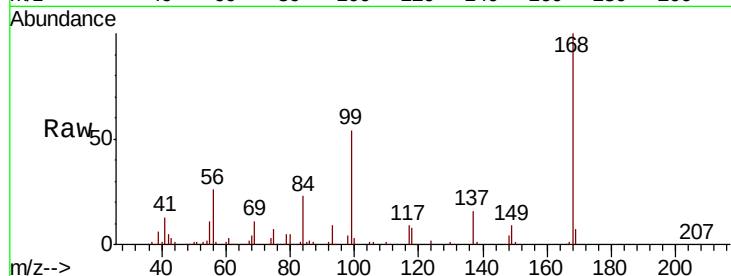
99 54.2 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

150000

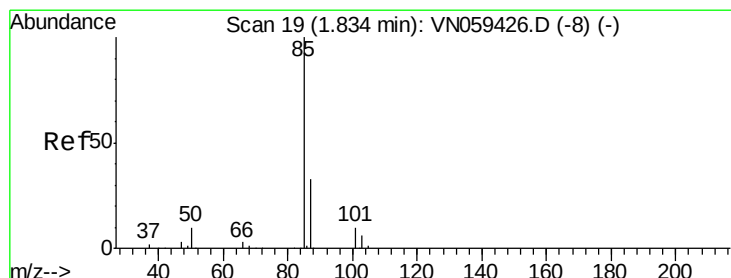
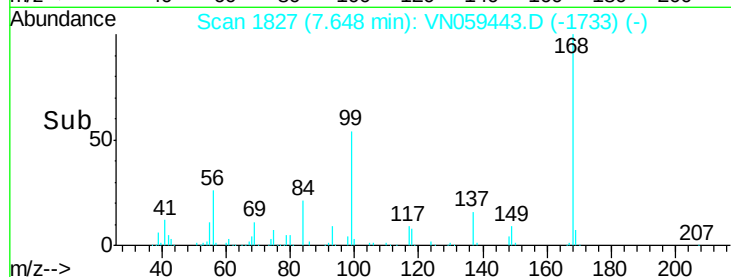
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.142 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059443.D

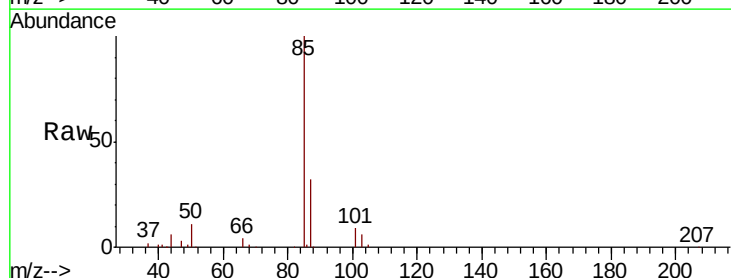
Acq: 29 Nov 2019 13:17

Tgt Ion: 85 Resp: 86163

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

60000

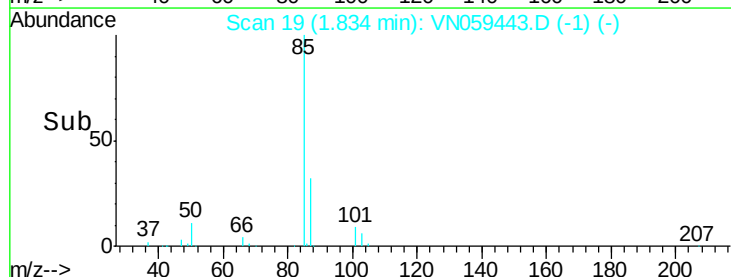
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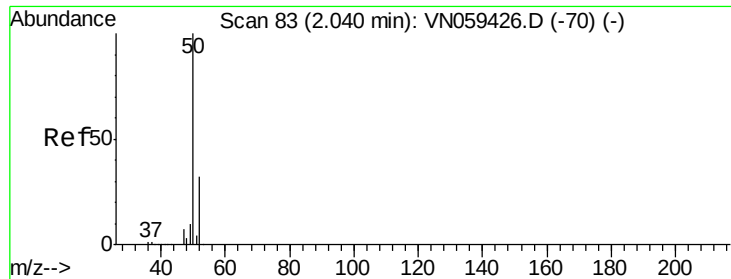
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.499 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 50 Resp: 102045

Ion Ratio Lower Upper

50 100

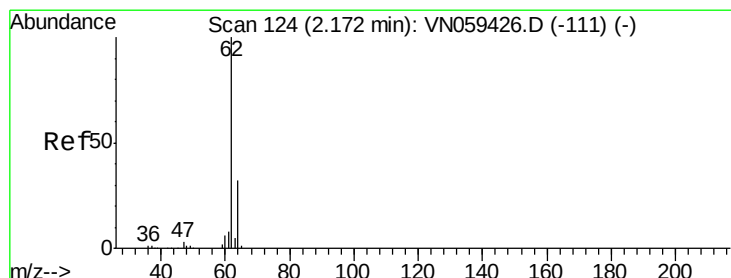
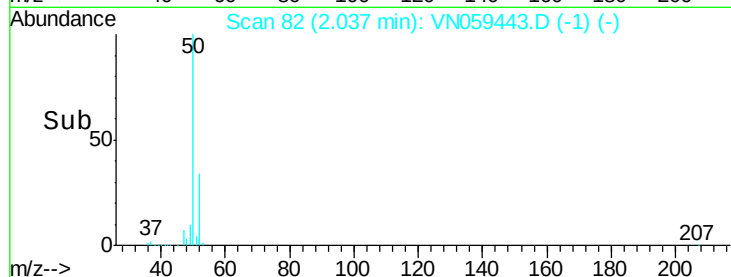
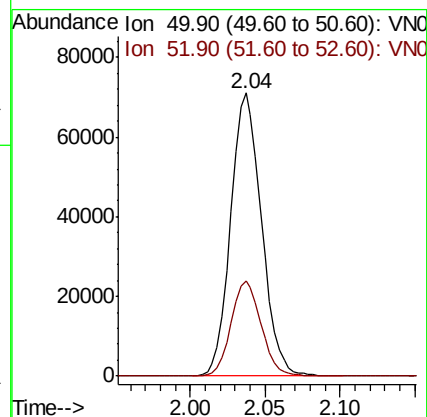
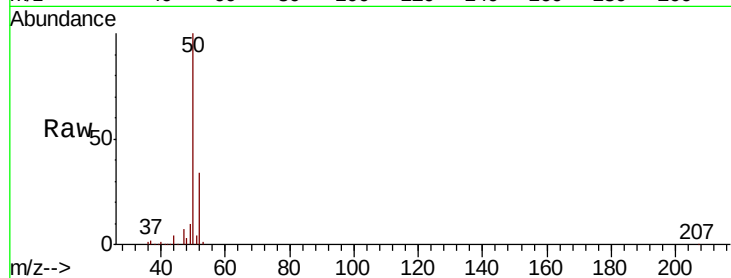
52 33.6 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.634 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059443.D

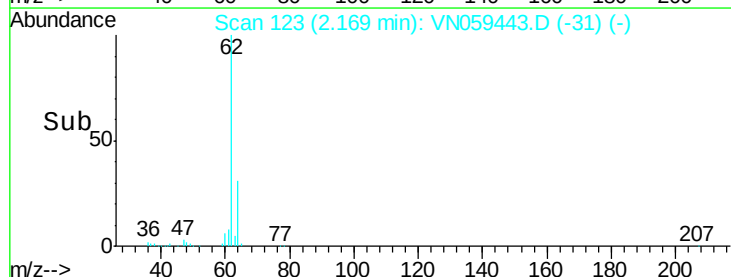
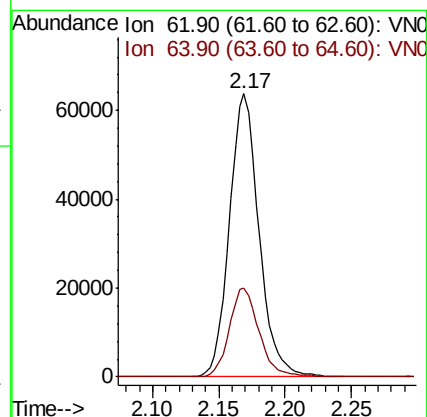
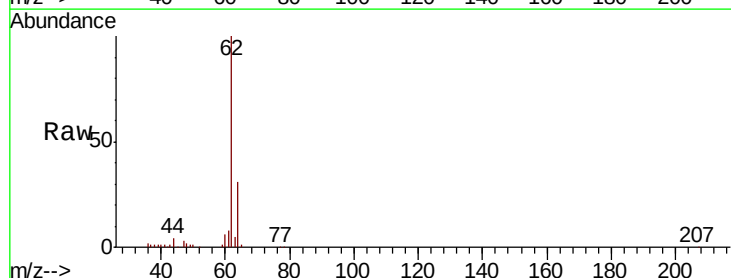
Acq: 29 Nov 2019 13:17

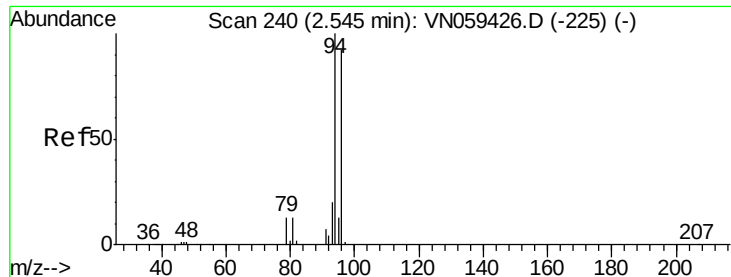
Tgt Ion: 62 Resp: 98708

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 19.325 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 94 Resp: 55660

Ion Ratio Lower Upper

94 100

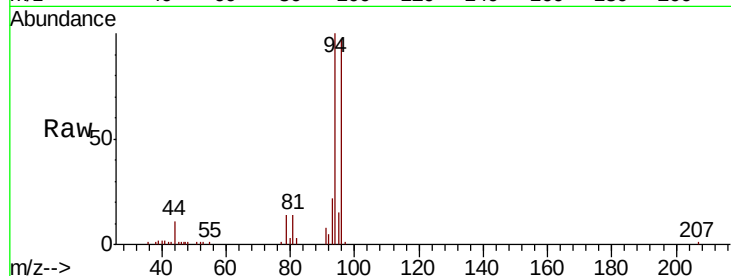
96 96.7 73.8 110.6

Manual Integrations

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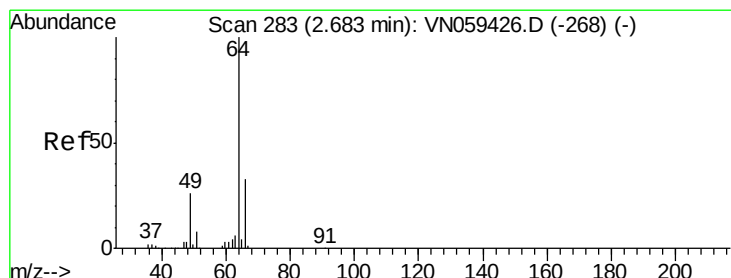
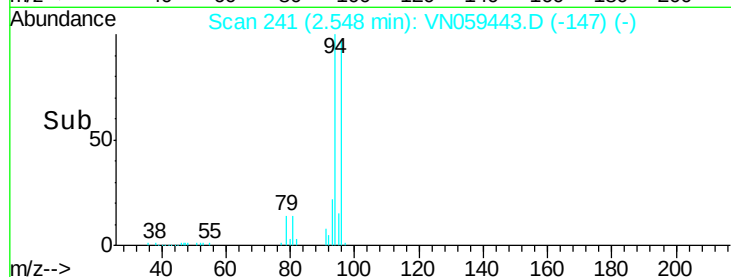
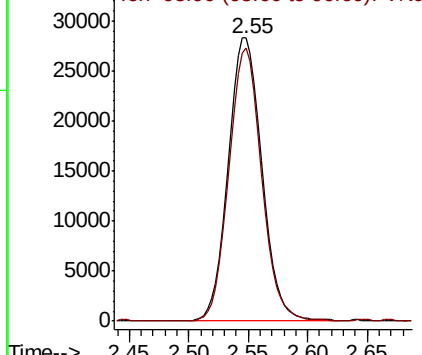
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.904 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059443.D

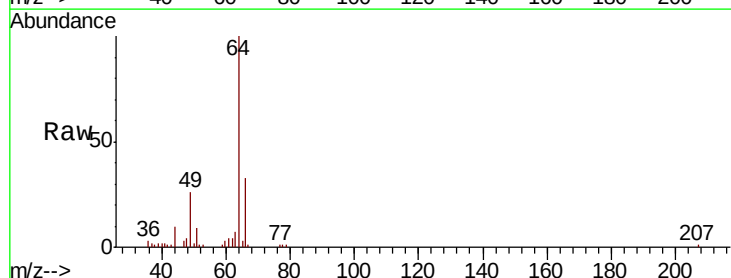
Acq: 29 Nov 2019 13:17

Tgt Ion: 64 Resp: 53386

Ion Ratio Lower Upper

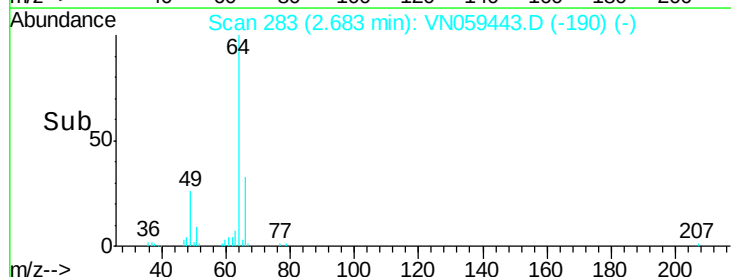
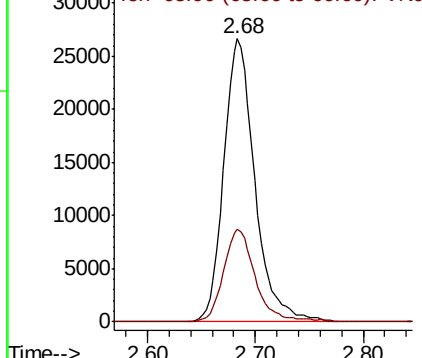
64 100

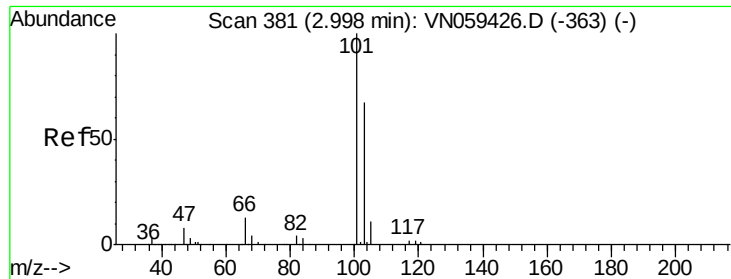
66 32.7 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

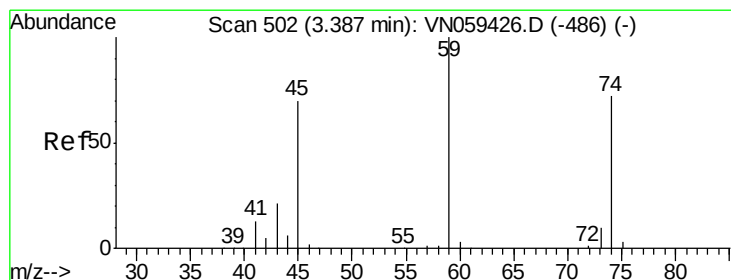
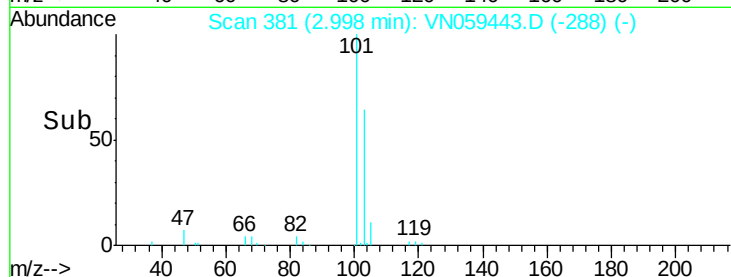
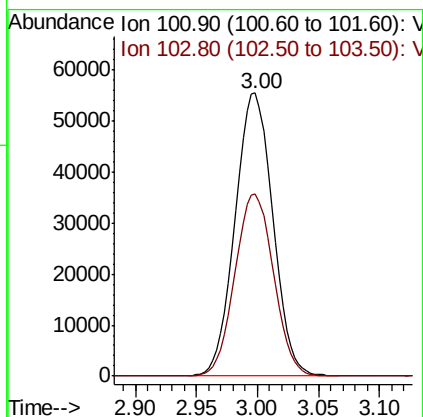
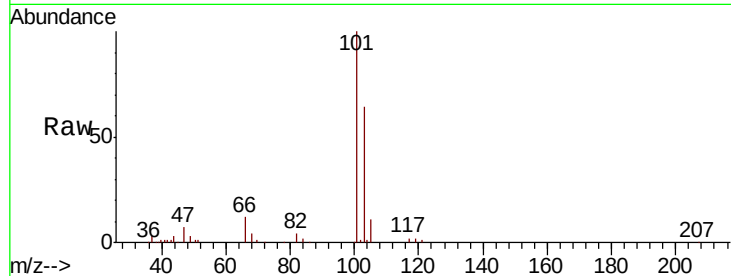
Trichlorofluoromethane
Concen: 20.916 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059443.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		119182		
103	64.4	53.6	80.4		

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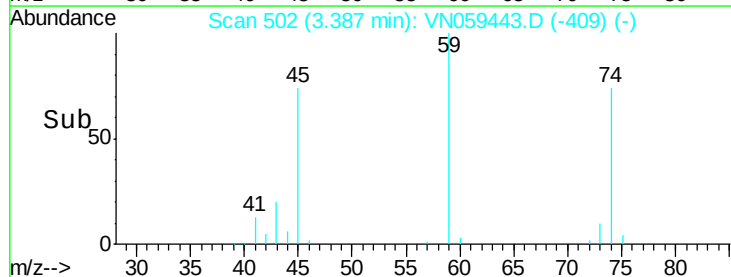
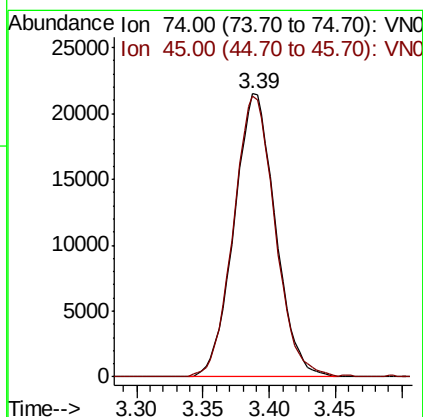
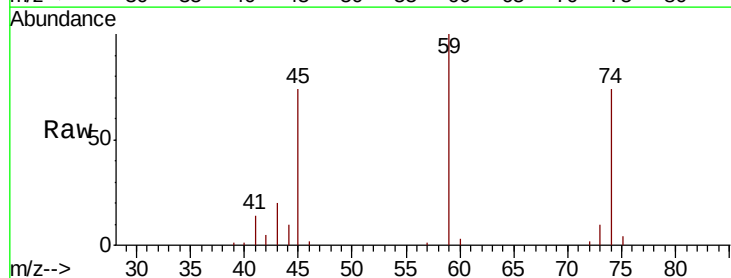
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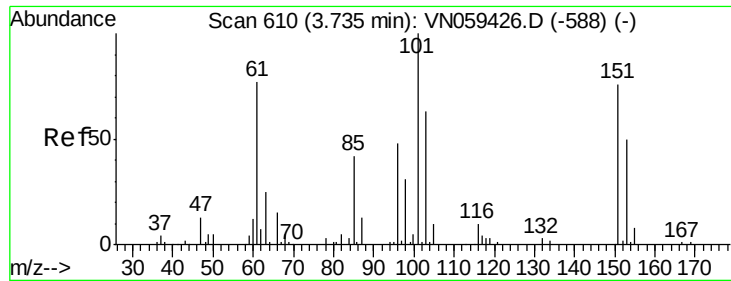


#8

Diethyl Ether
Concen: 20.039 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		46469		
45	100.0	49.7	149.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.547 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

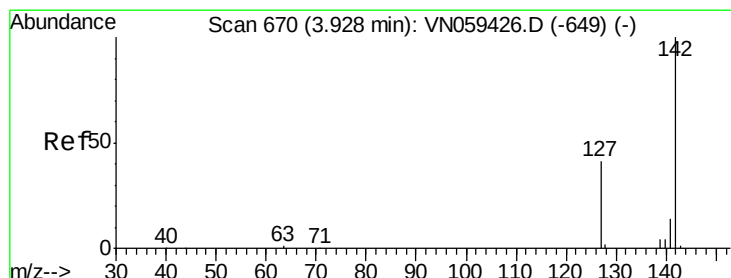
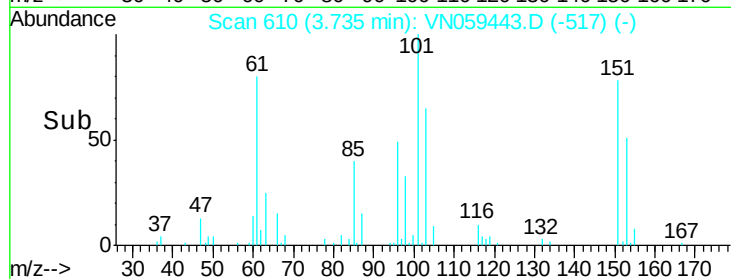
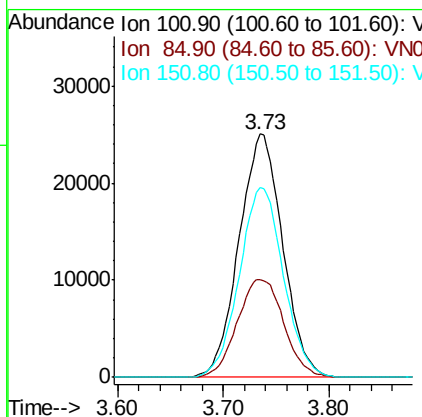
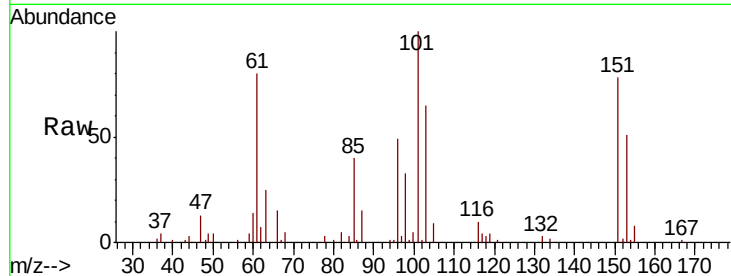
ClientSampleId :

VN1129WBSD01

Tot Ion:	101	Resp:	72107
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	78.9	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.555 ug/l

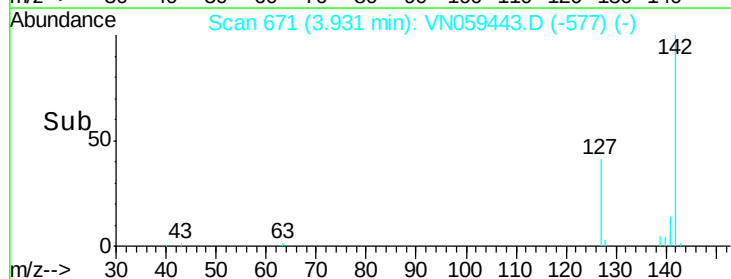
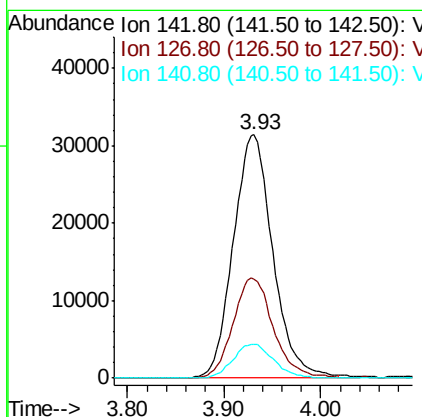
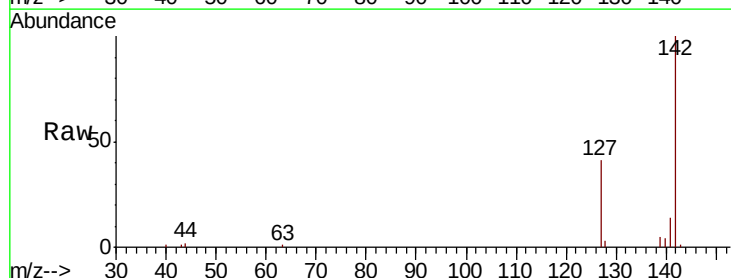
RT: 3.93 min Scan# 671

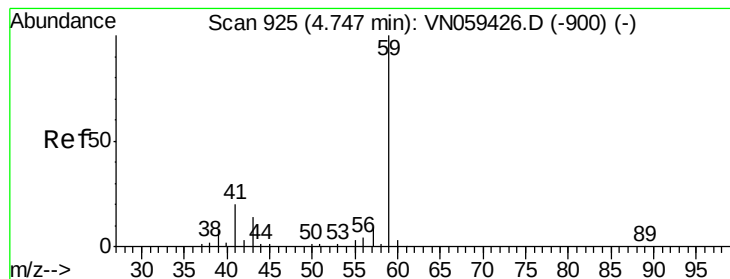
Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	142	Resp:	89321
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.6	48.8
141	14.1	11.1	16.7





#11

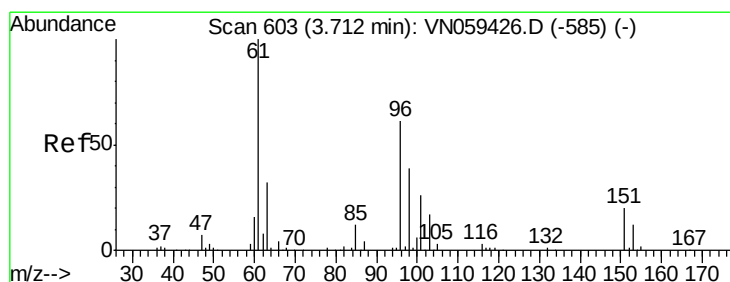
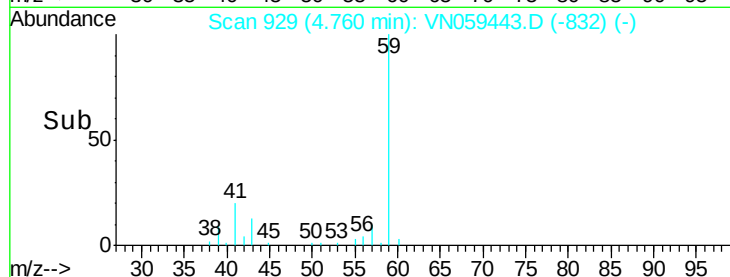
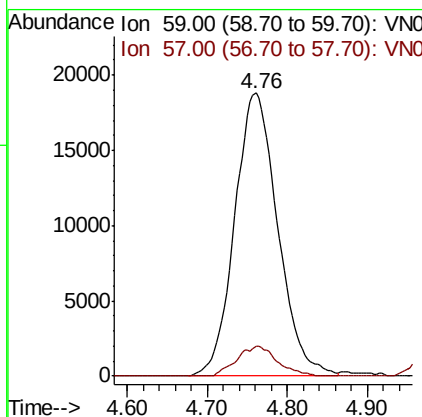
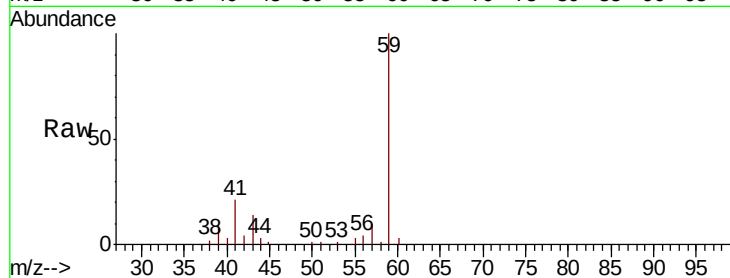
Tert butyl alcohol
Concen: 98.130 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	3.8	5.8#

Manual Integrations
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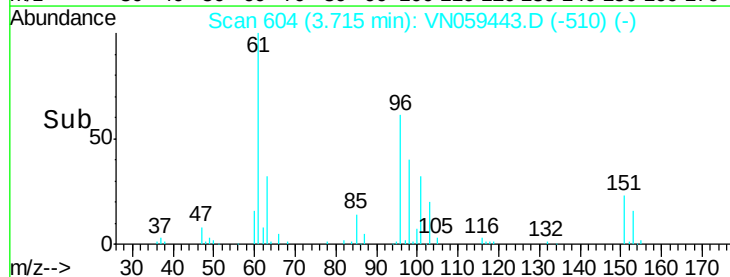
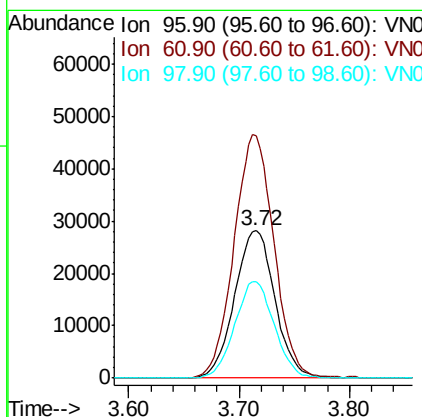
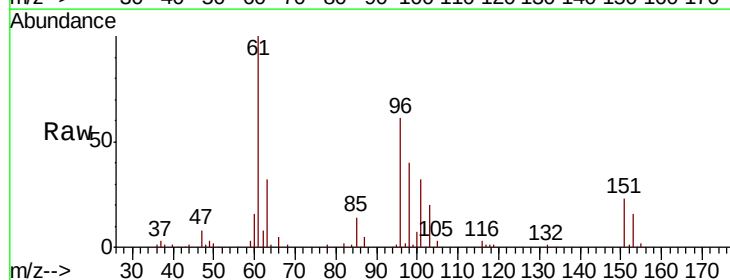
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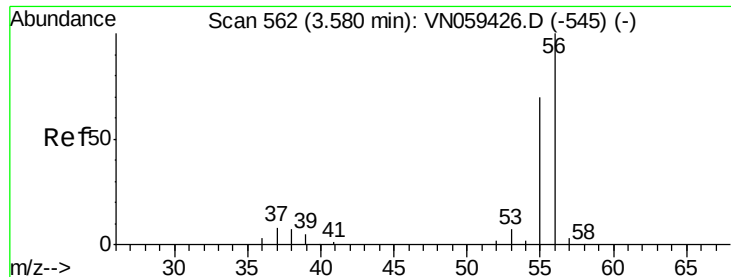


#12

1,1-Dichloroethene
Concen: 20.736 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.6	130.5	195.7
98	65.4	51.3	76.9





#13

Acrolein

Concen: 76.069 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 56 Resp: 52177

Ion Ratio Lower Upper

56 100

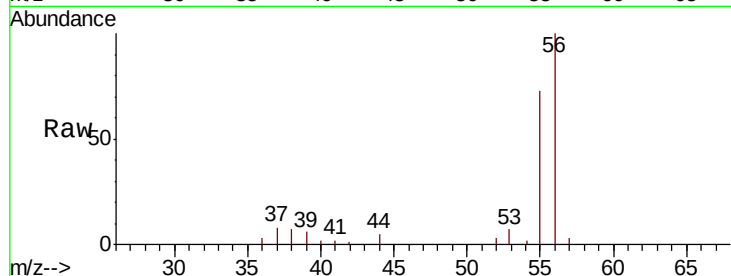
55 72.8 57.8 86.6

Manual Integrations

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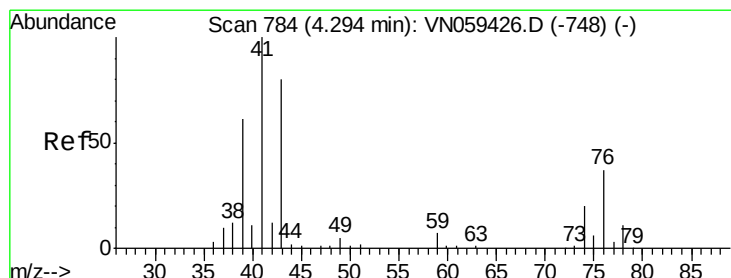
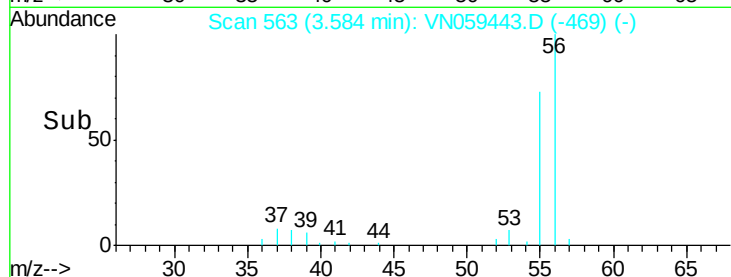
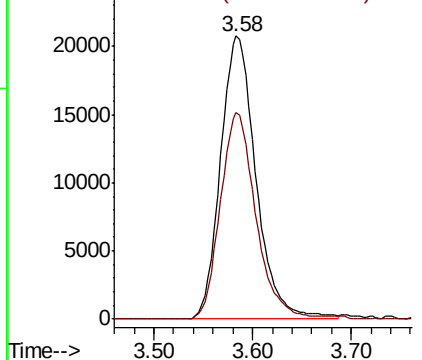
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.016 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

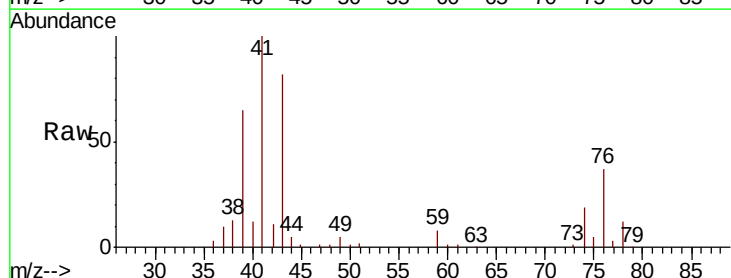
Tgt Ion: 41 Resp: 127583

Ion Ratio Lower Upper

41 100

39 60.5 46.5 69.7

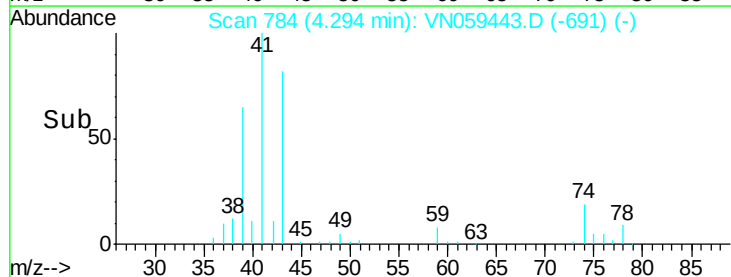
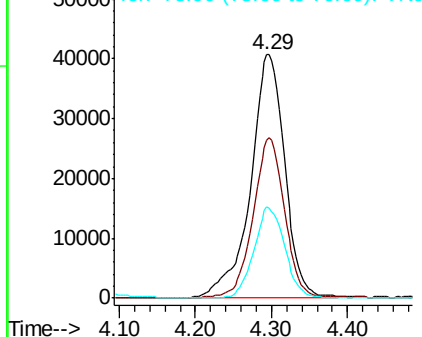
76 33.4 26.8 40.2

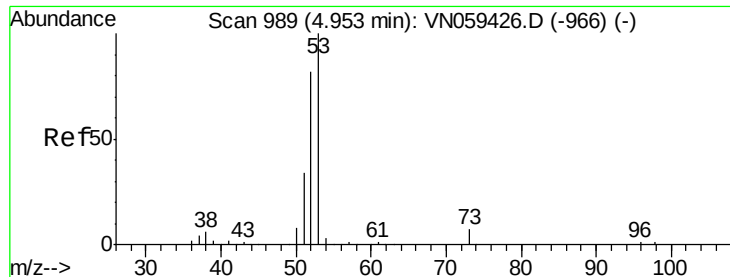


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.337 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

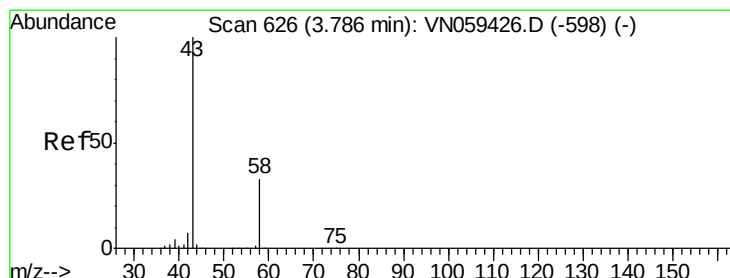
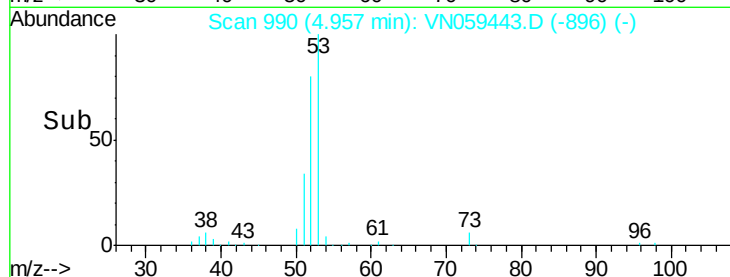
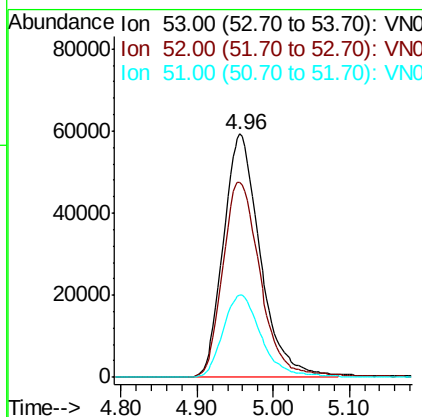
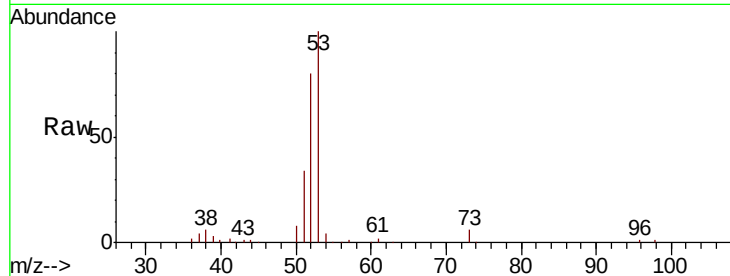
ClientSampleId :

VN1129WBSD01

Tot Ion:	53	Resp:	200372
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.1	97.7
51	35.2	27.8	41.8

Manual Integrations
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#16

Acetone

Concen: 106.318 ug/l

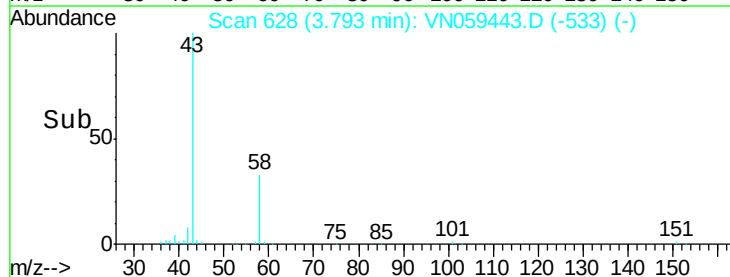
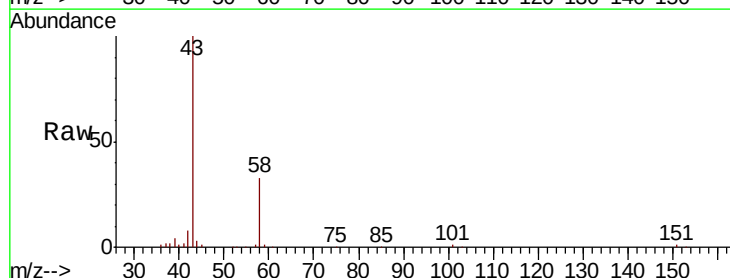
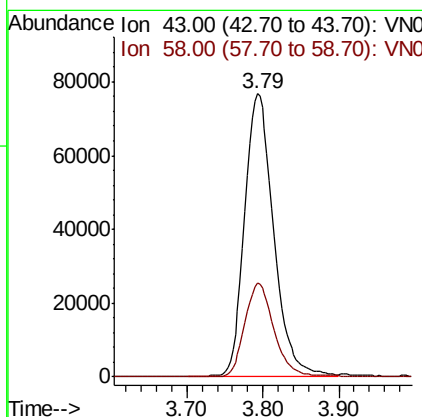
RT: 3.79 min Scan# 628

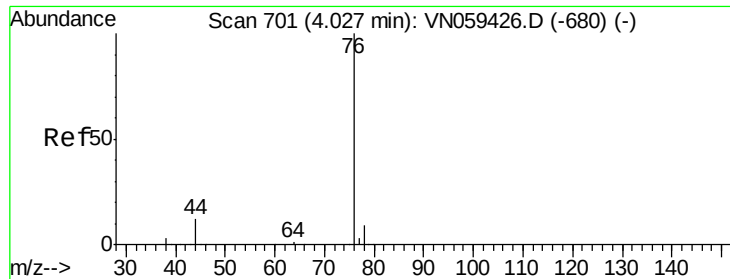
Delta R.T. 0.01 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	43	Resp:	205441
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.6	39.8





#17

Carbon Disulfide

Concen: 19.106 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 76 Resp: 225334

Ion Ratio Lower Upper

76 100

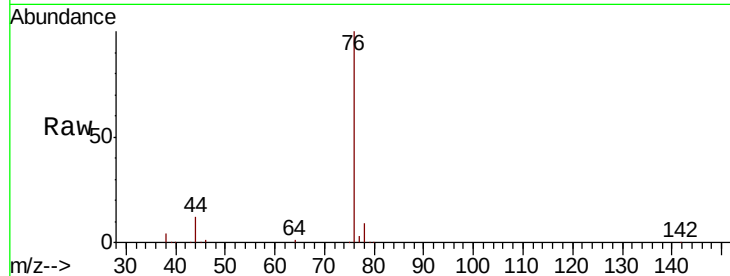
78 9.2 7.4 11.0

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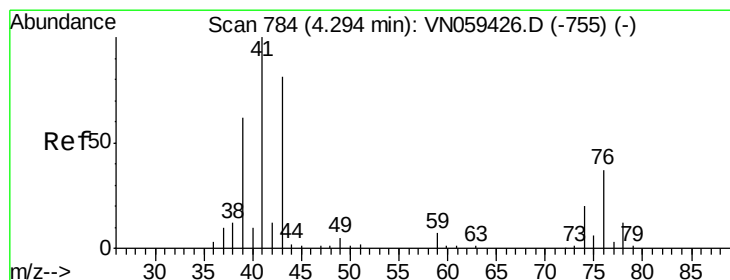
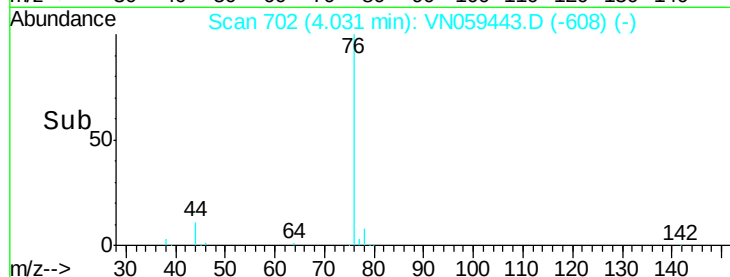
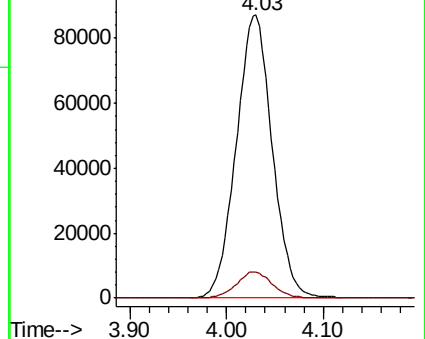
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Abundance Ion 75.90 (75.60 to 76.60): VN059426.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN059426.D (-680) (-)



#18

Methyl Acetate

Concen: 19.166 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059443.D

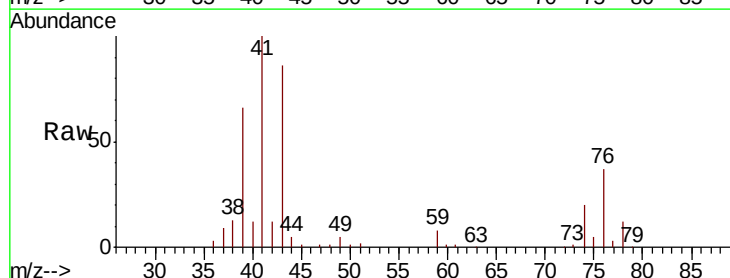
Acq: 29 Nov 2019 13:17

Tgt Ion: 43 Resp: 100851

Ion Ratio Lower Upper

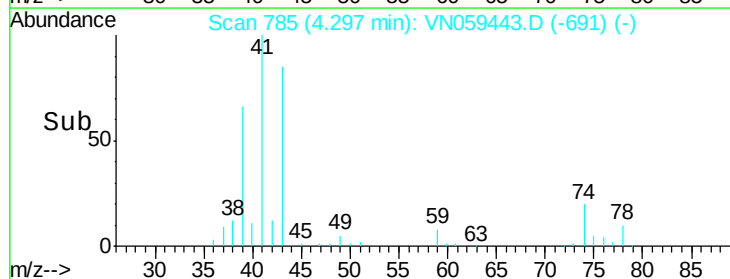
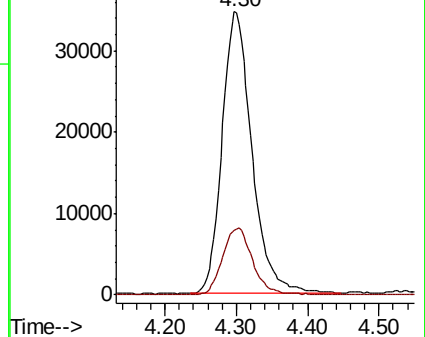
43 100

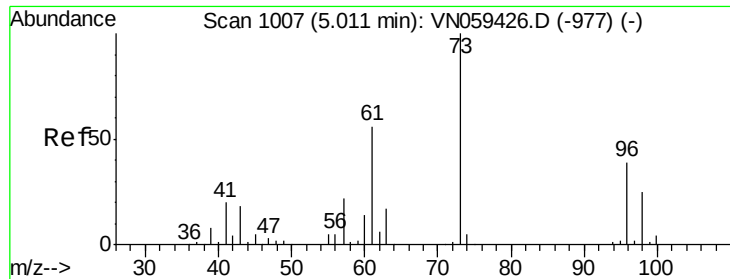
74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN059443.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059443.D (-691) (-)





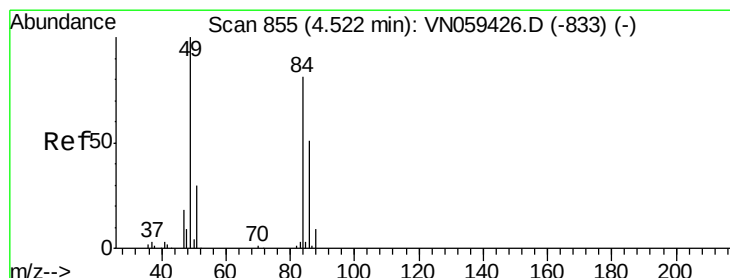
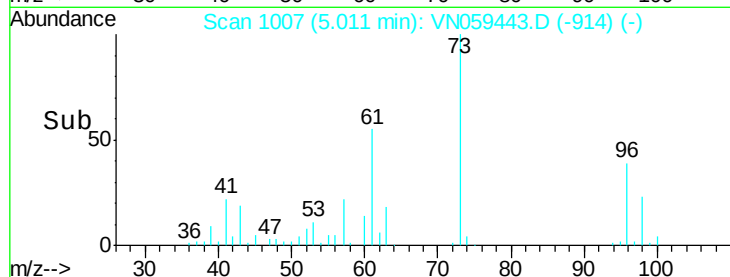
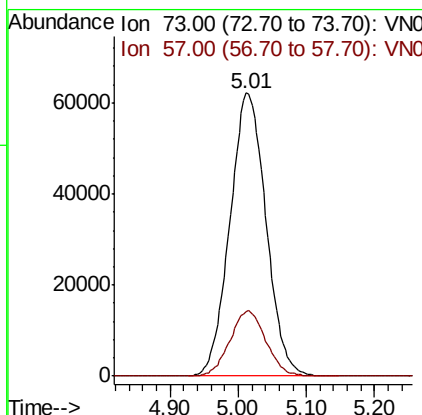
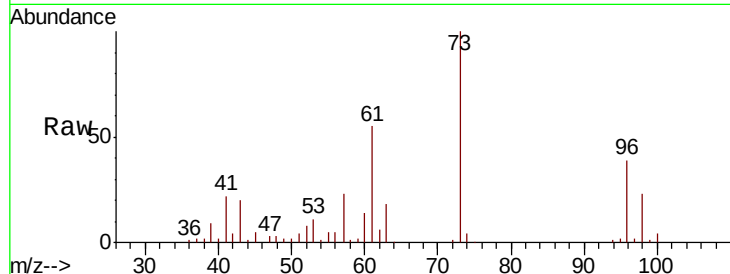
#19
Methyl tert-butyl Ether
Concen: 20.654 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion: 73 Resp: 228741
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

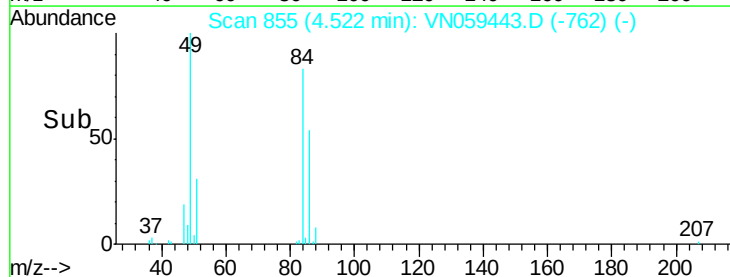
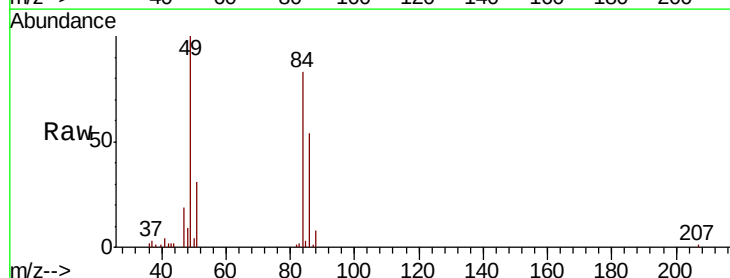
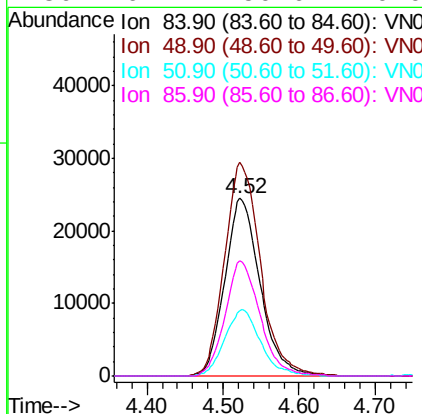
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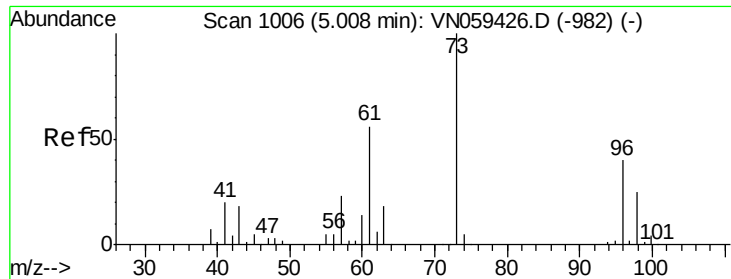
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#20
Methylene Chloride
Concen: 20.142 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 84 Resp: 79086
Ion Ratio Lower Upper
84 100
49 120.4 98.6 148.0
51 37.0 29.4 44.0
86 64.7 50.6 76.0





#21

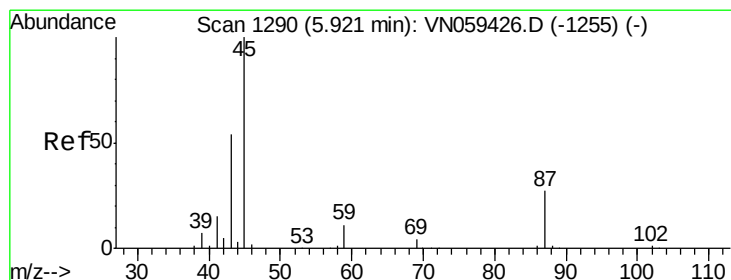
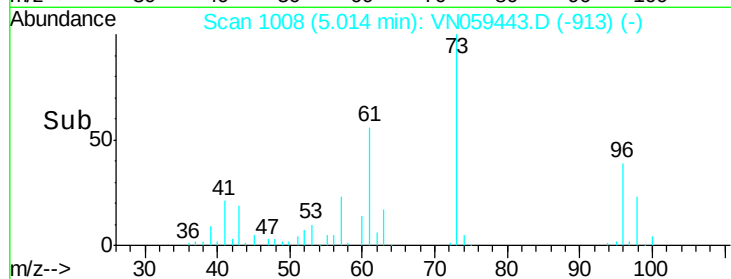
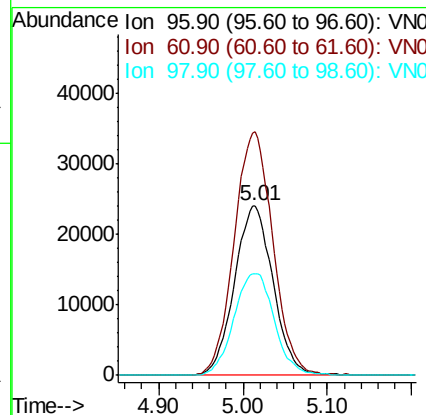
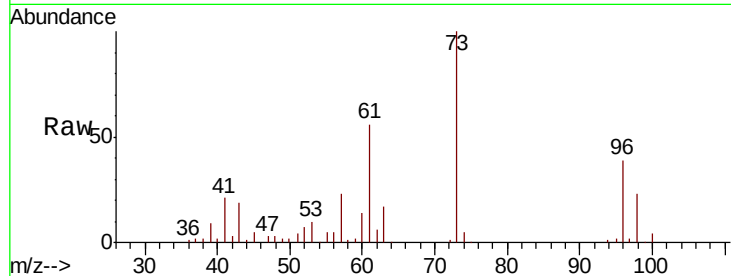
trans-1,2-Dichloroethene
Concen: 20.410 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	114.0	171.0
98	60.1	50.5	75.7

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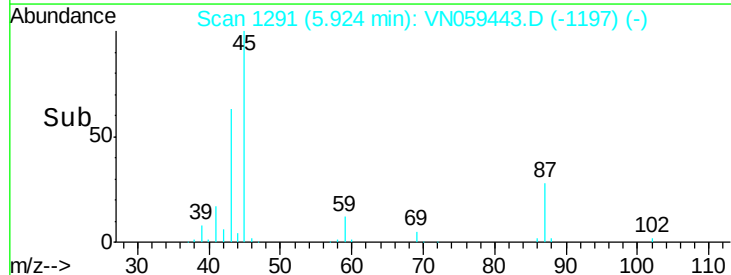
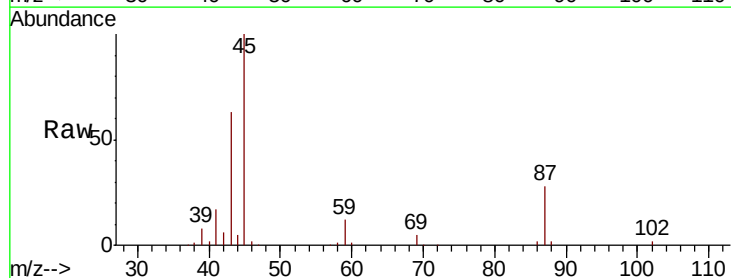
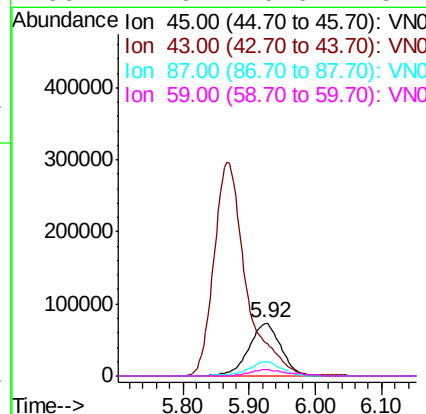
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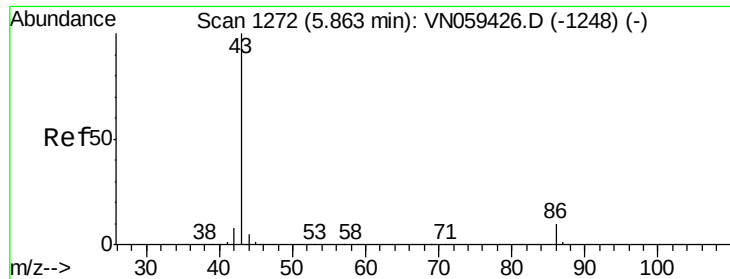


#22

Diisopropyl ether
Concen: 20.808 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	46.3	69.5
87	28.0	21.8	32.6
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 104.198 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 43 Resp: 995717

Ion Ratio Lower Upper

43 100

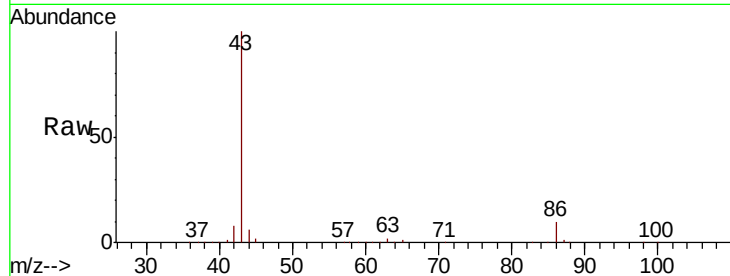
86 10.3 8.2 12.4

Manual Integrations

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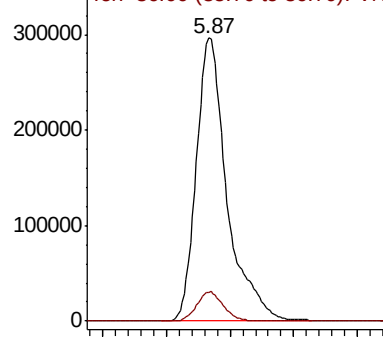
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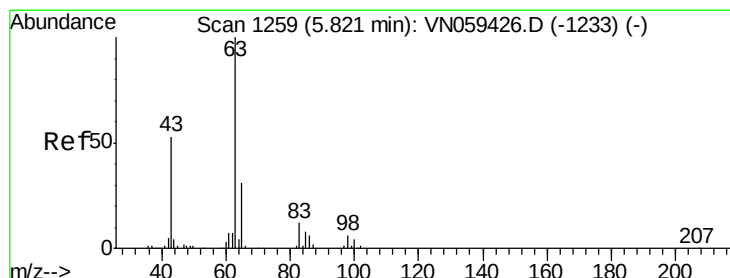
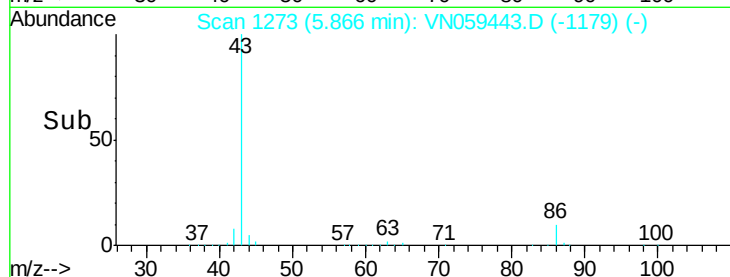


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.784 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

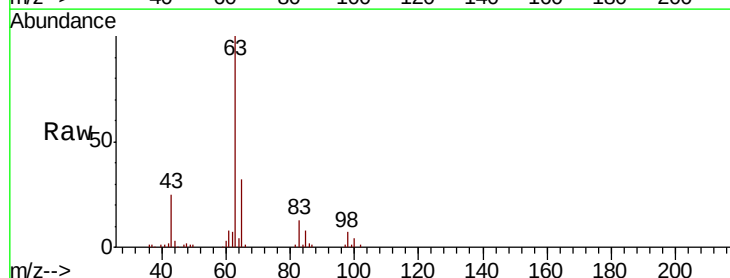
Tgt Ion: 63 Resp: 141648

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

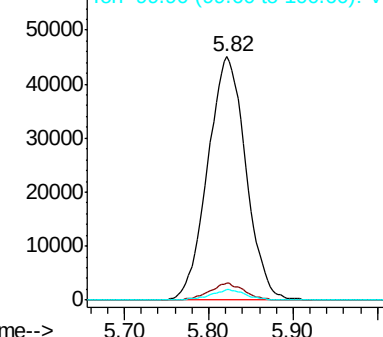
100 4.3 2.1 6.3



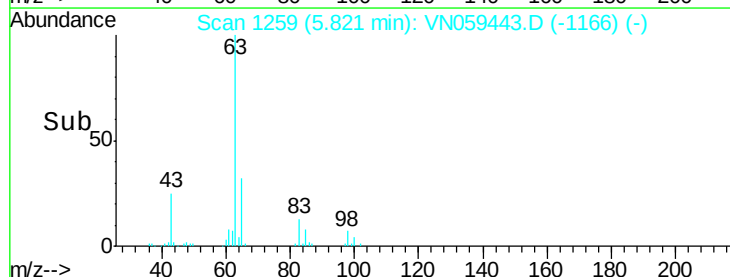
Abundance Ion 62.90 (62.60 to 63.60): VN0

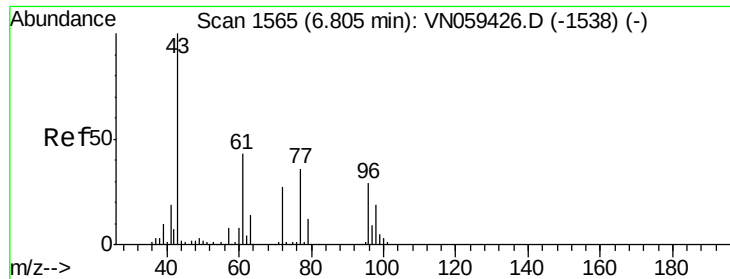
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 101.899 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 43 Resp: 270877

Ion Ratio Lower Upper

43 100

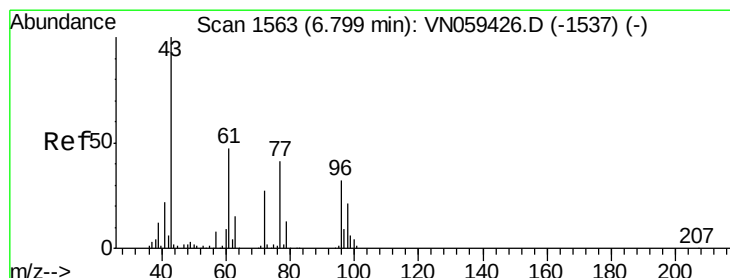
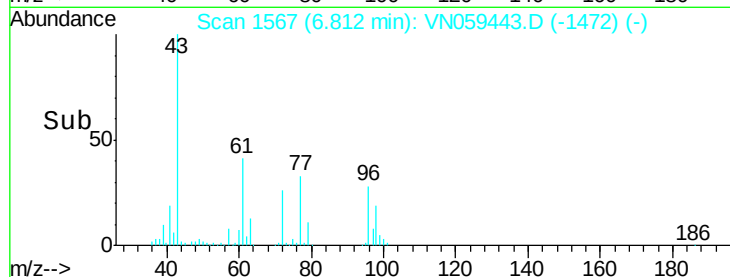
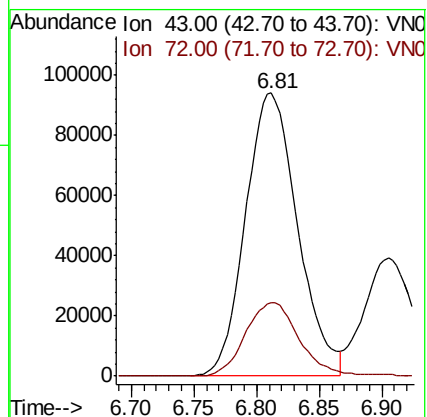
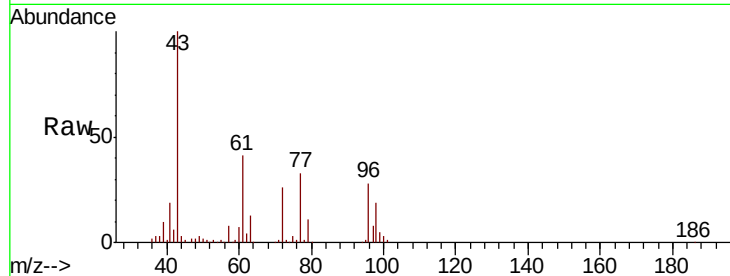
72 26.2 21.4 32.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.816 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059443.D

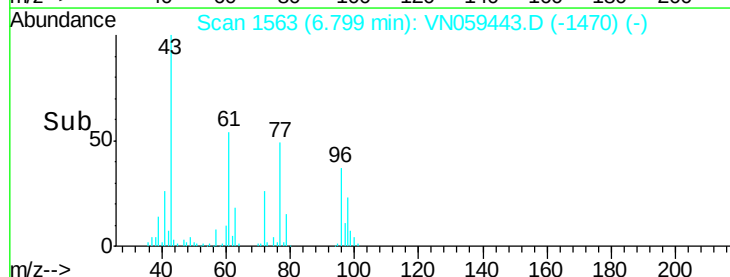
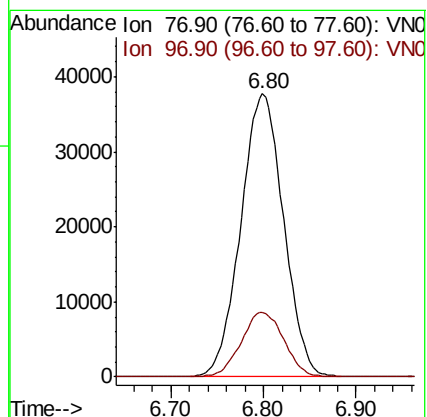
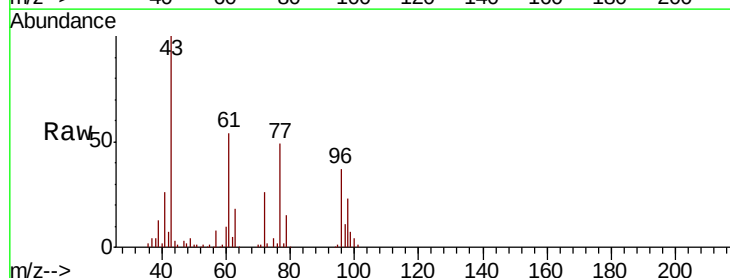
Acq: 29 Nov 2019 13:17

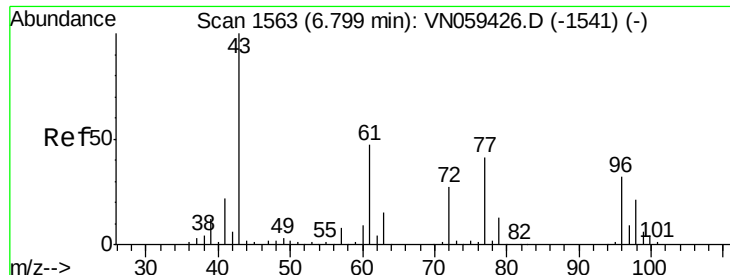
Tgt Ion: 77 Resp: 120729

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.619 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

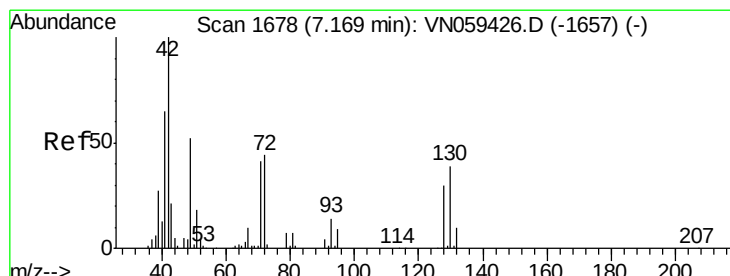
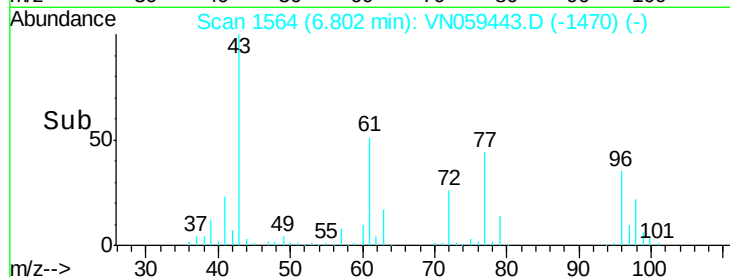
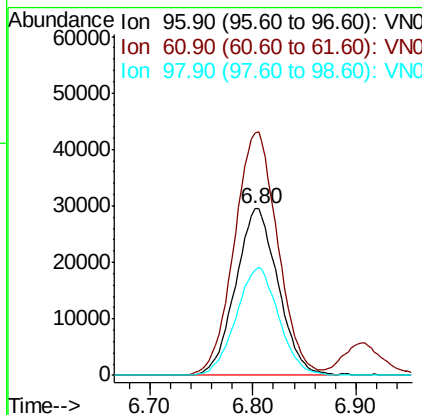
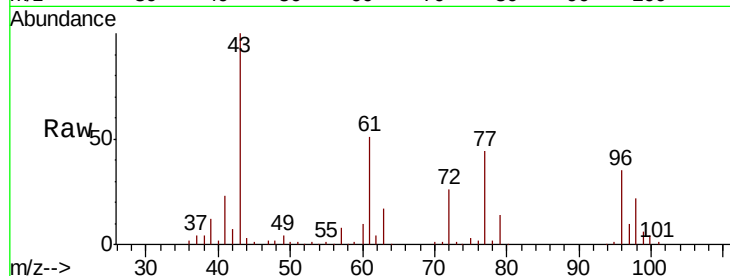
ClientSampleId :

VN1129WBSD01

Tot Ion:	96	Resp:	84440
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	297.6
98	64.9	0.0	130.8

Manual Integrations
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#28

Bromochloromethane

Concen: 20.506 ug/l

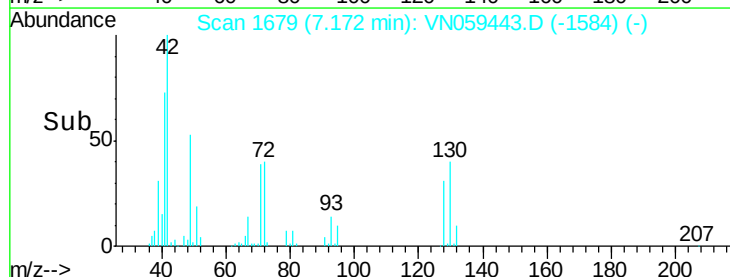
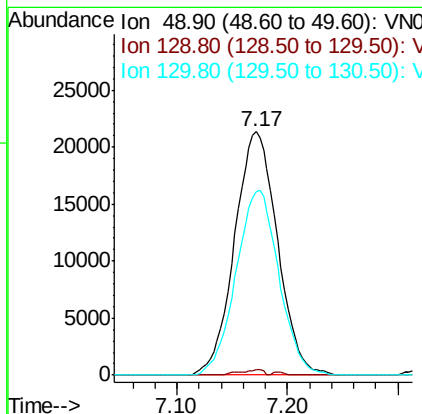
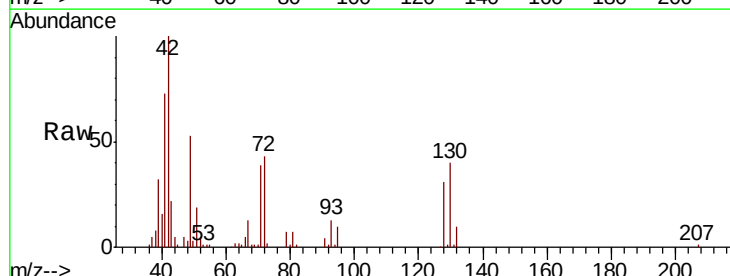
RT: 7.17 min Scan# 1679

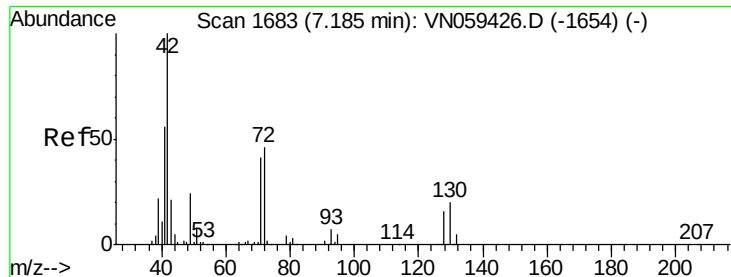
Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	49	Resp:	57521
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	75.8	60.5	90.7





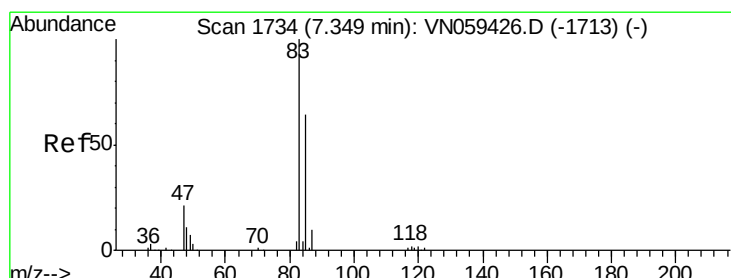
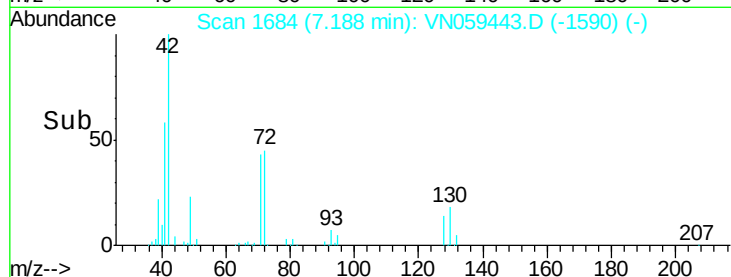
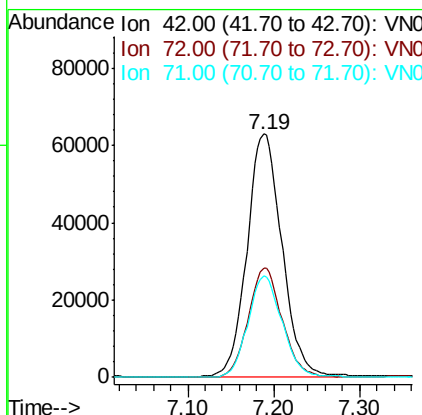
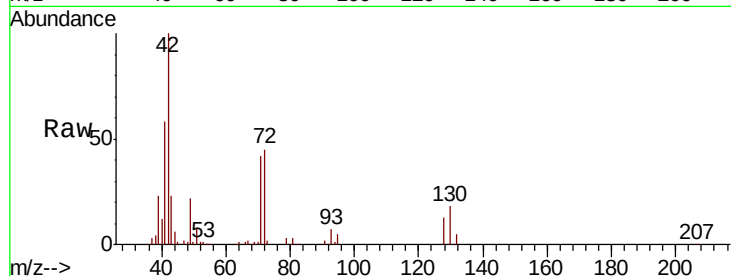
#29
Tetrahydrofuran
Concen: 101.350 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	51.8
71	40.7	33.0	49.6

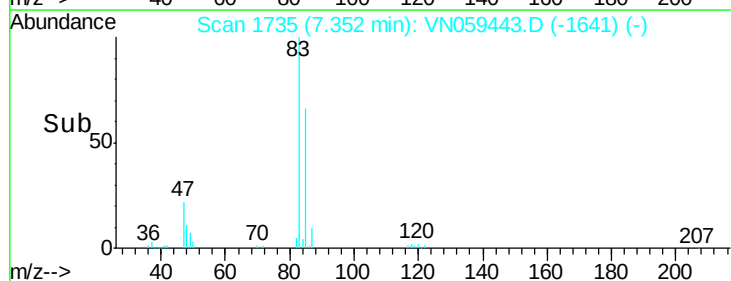
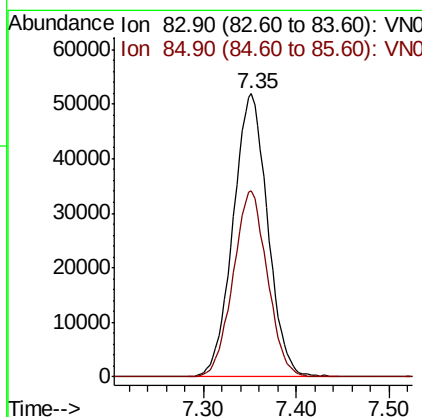
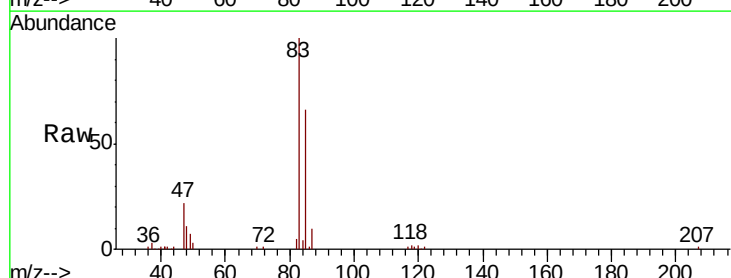
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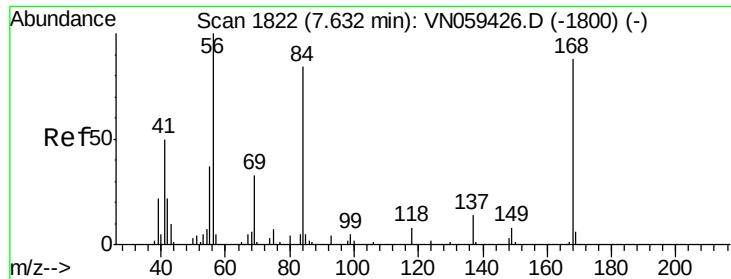
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#30
Chloroform
Concen: 19.568 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4





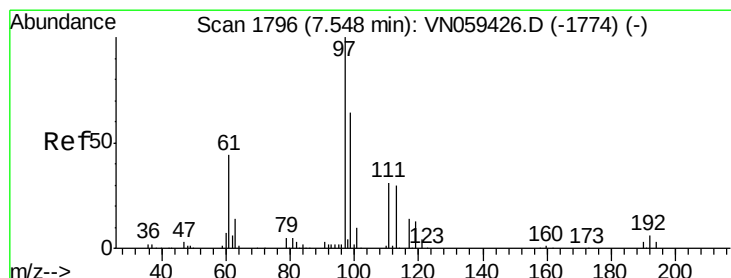
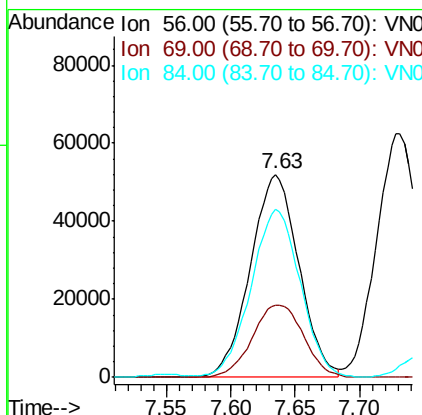
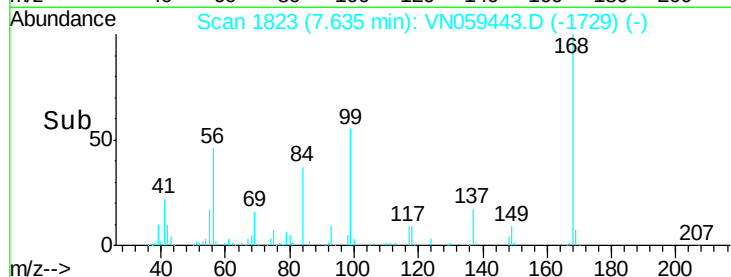
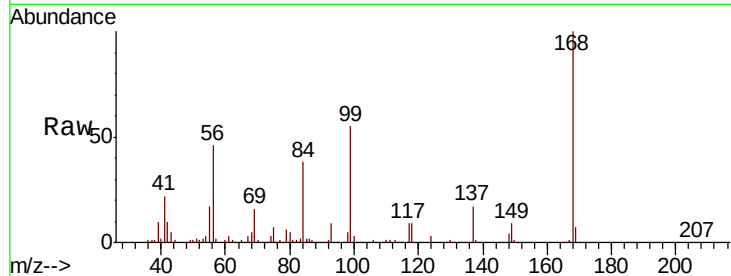
#31
Cyclohexane
Concen: 19.927 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.4	39.6
84	81.9	67.0	100.6

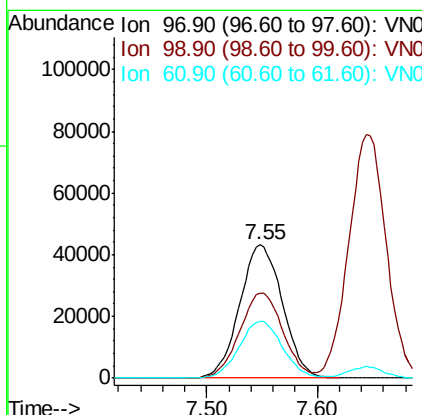
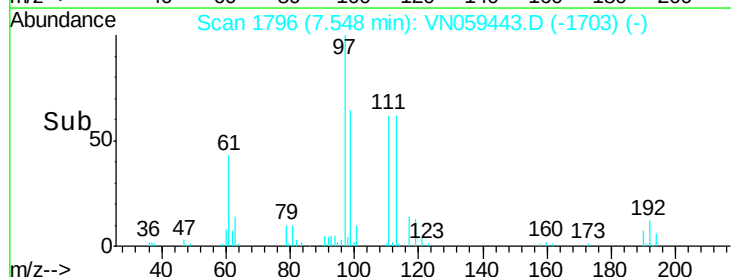
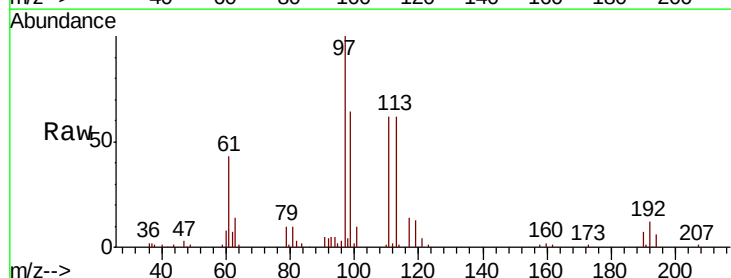
Manual Integrations
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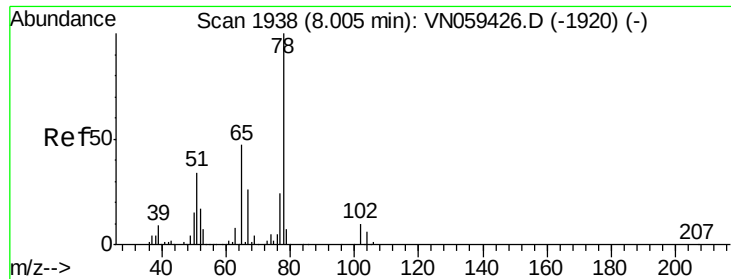
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.720 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	43.1	34.3	51.5





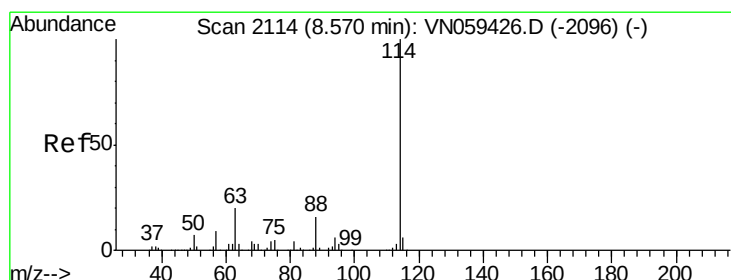
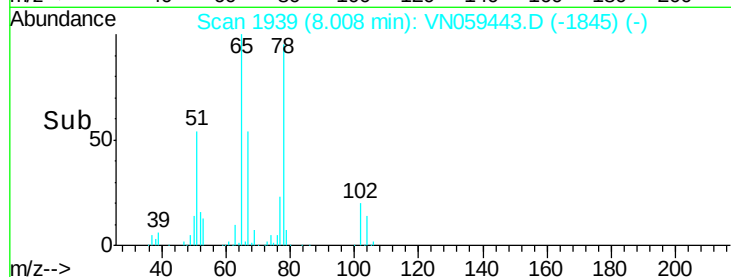
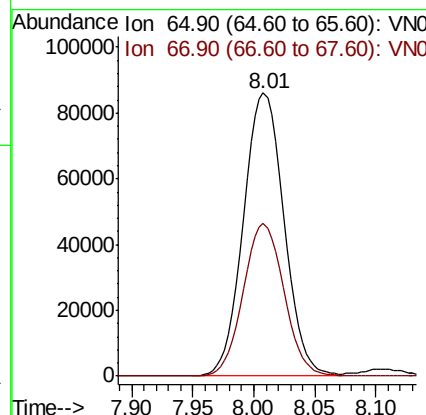
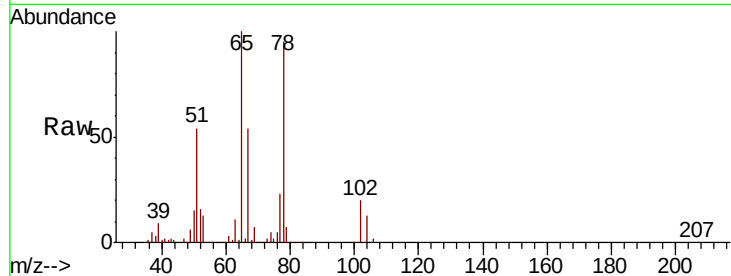
#33
 1,2-Dichloroethane-d4
 Concen: 48.942 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1129WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198516		
67	54.1	0.0	111.2	

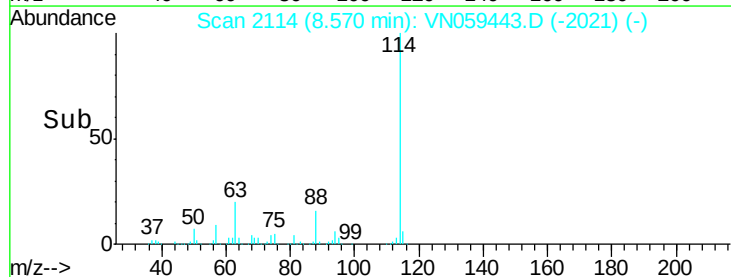
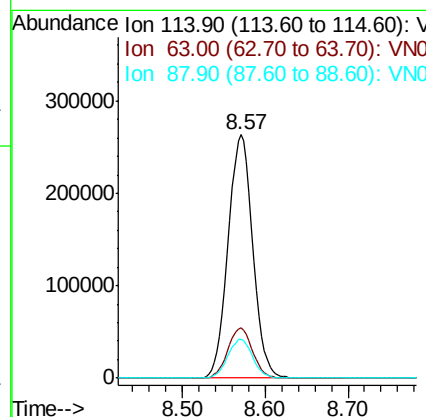
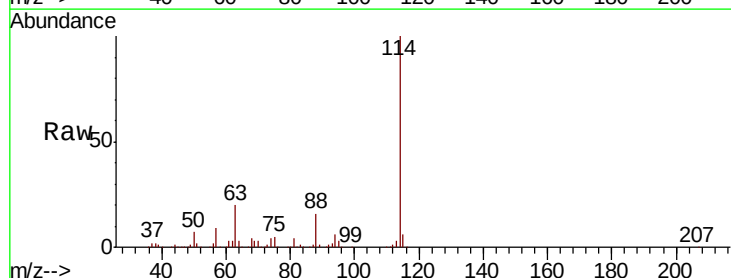
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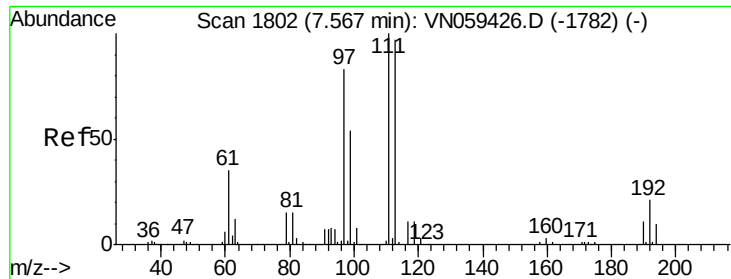
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	544541		
63	20.4	0.0	40.4	
88	16.2	0.0	32.2	





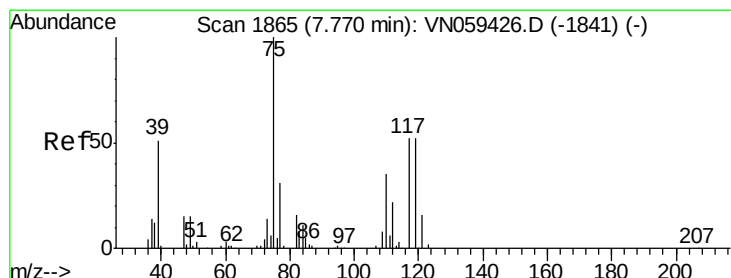
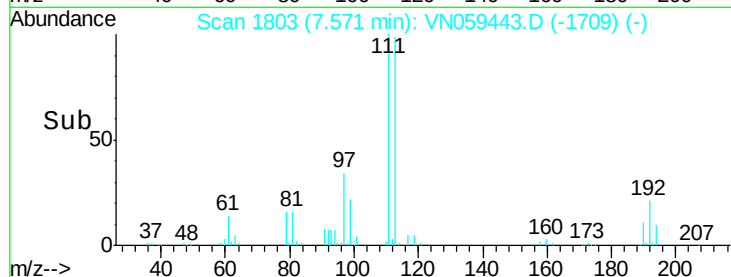
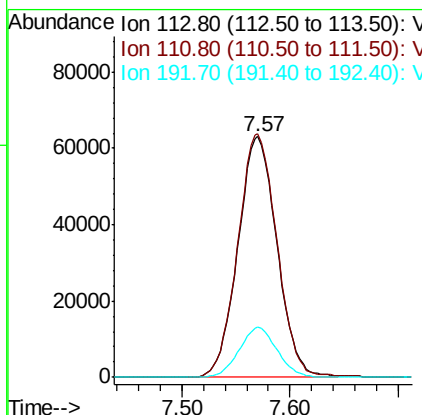
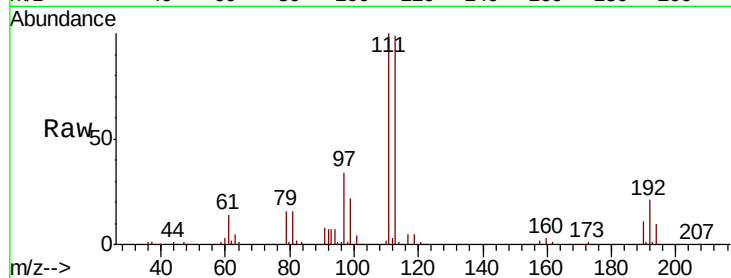
#35
 Dibromofluoromethane
 Concen: 47.868 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158774		
111	101.8	81.9	122.9	
192	20.3	16.6	24.8	

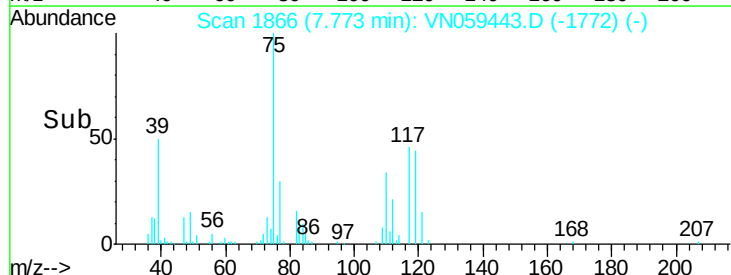
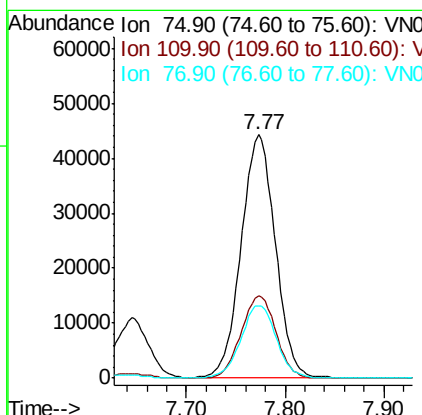
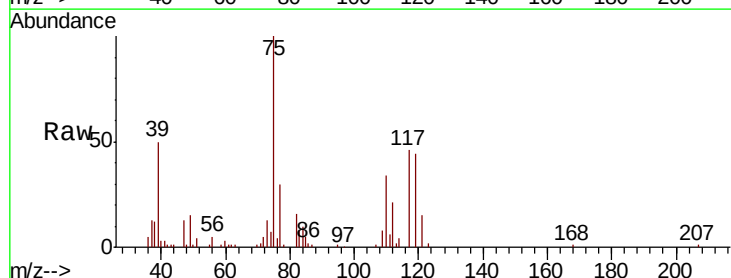
Manual Integrations
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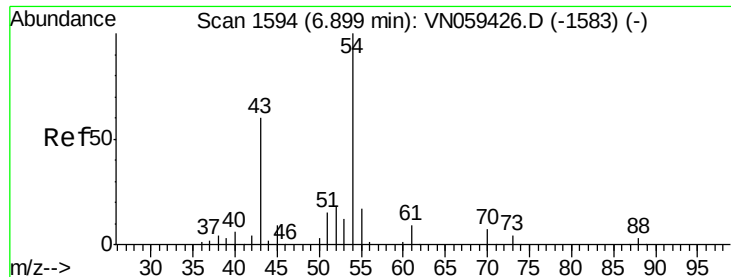
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.332 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106471		
110	34.2	17.3	52.0	
77	30.9	24.9	37.3	





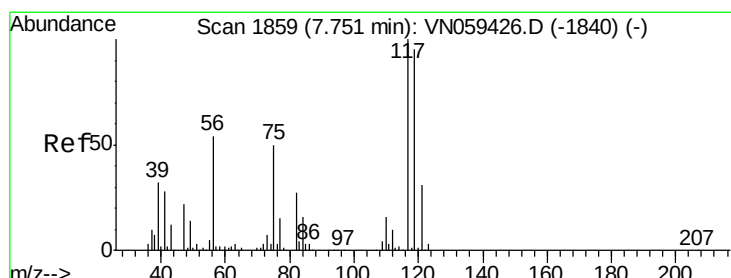
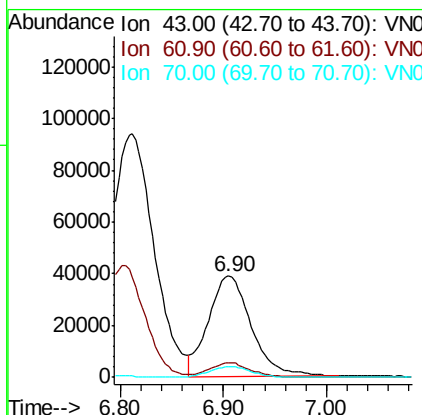
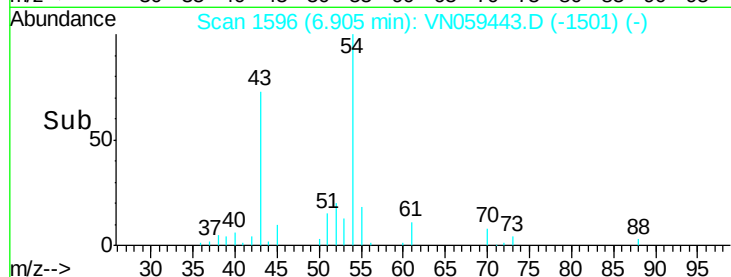
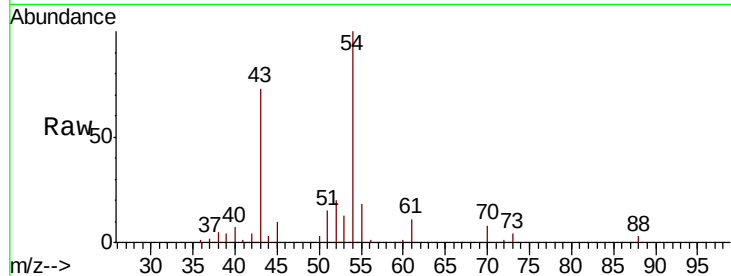
#37
Ethyl Acetate
Concen: 20.085 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	10.5	8.8	13.2

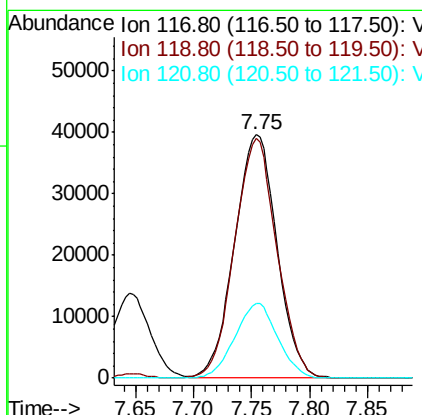
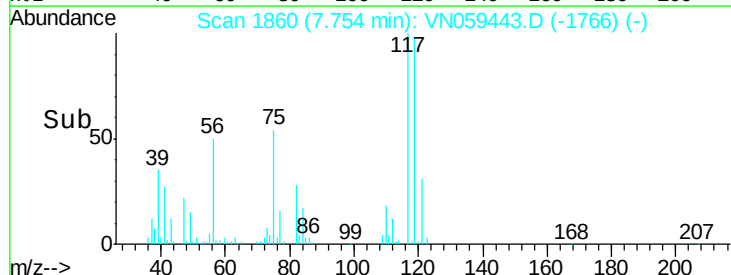
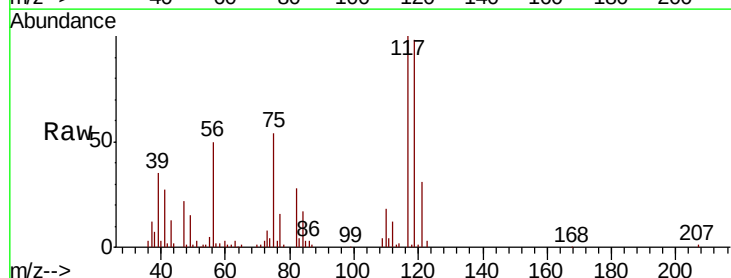
Manual Integrations
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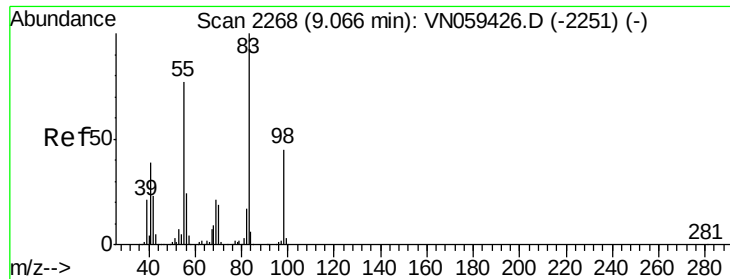
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#38
Carbon Tetrachloride
Concen: 20.446 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.9	113.9
121	30.7	24.6	36.8





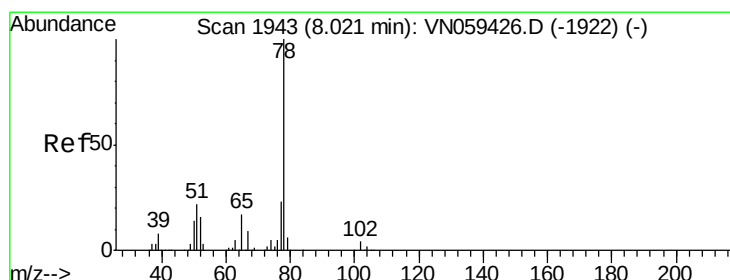
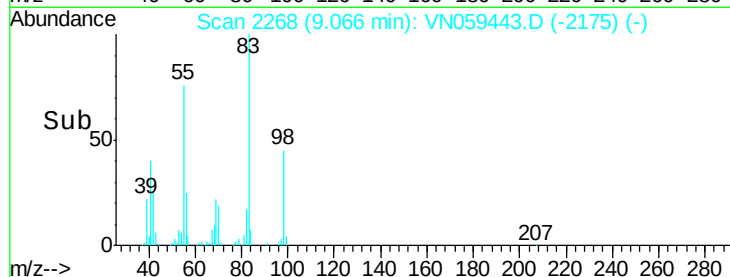
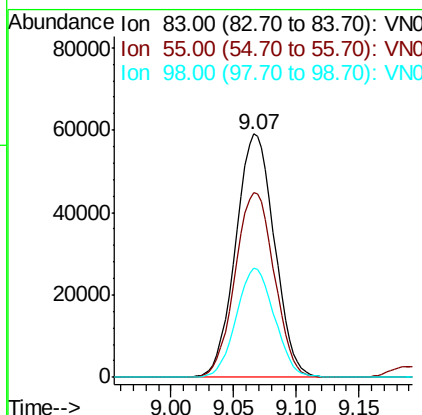
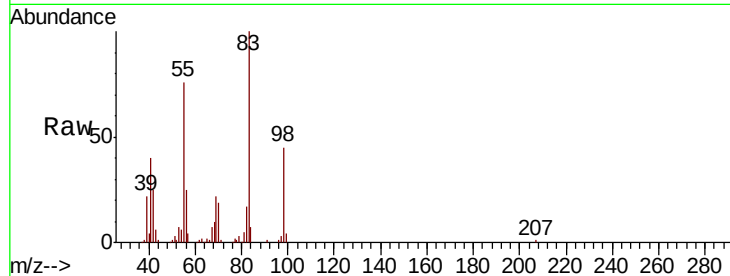
#39
Methylvlcyclohexane
Concen: 20.255 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.6	92.4
98	44.7	35.7	53.5

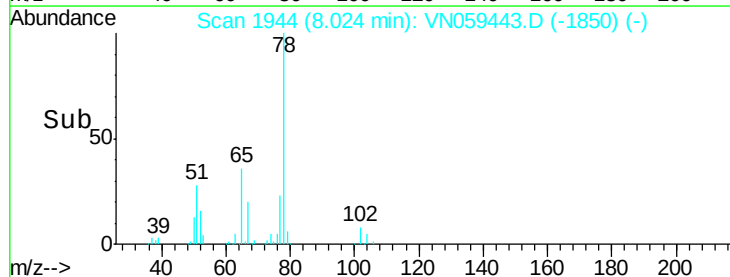
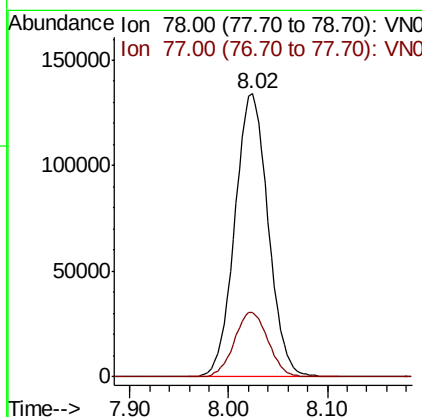
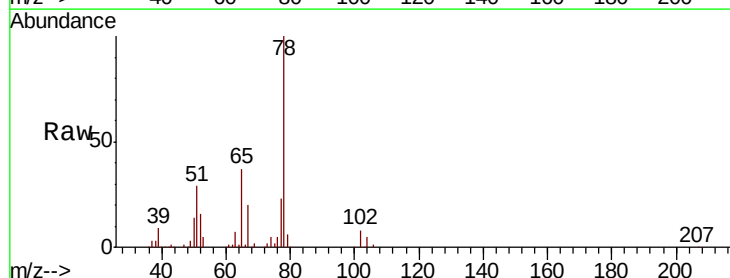
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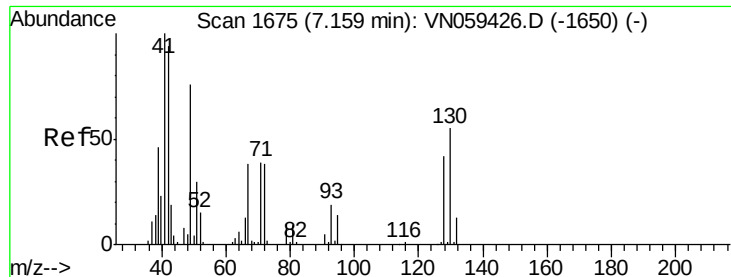
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#40
Benzene
Concen: 20.238 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





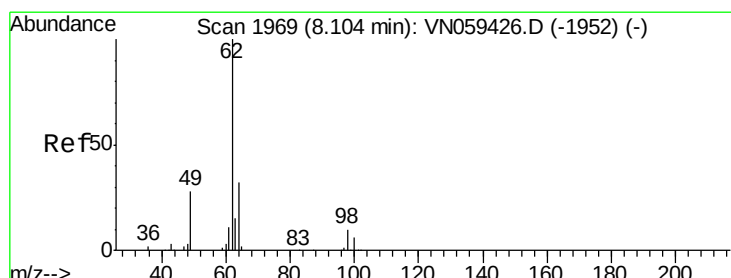
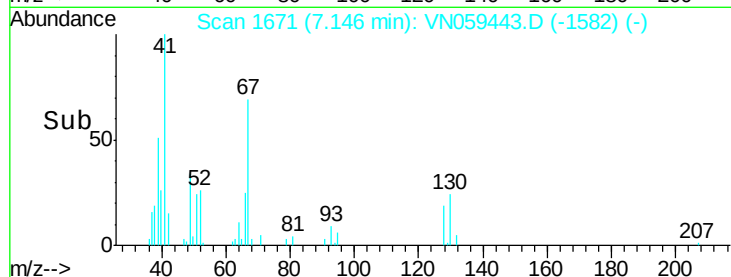
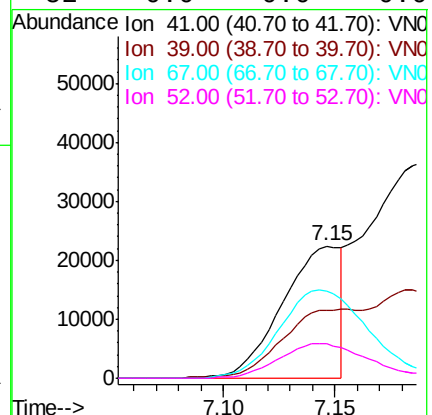
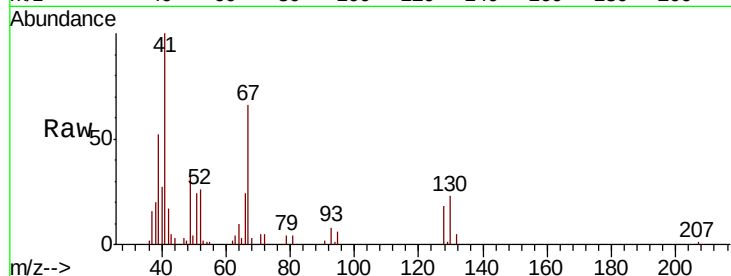
#41
Methacrylonitrile
Concen: 15.888 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	41	Resp:	40988
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

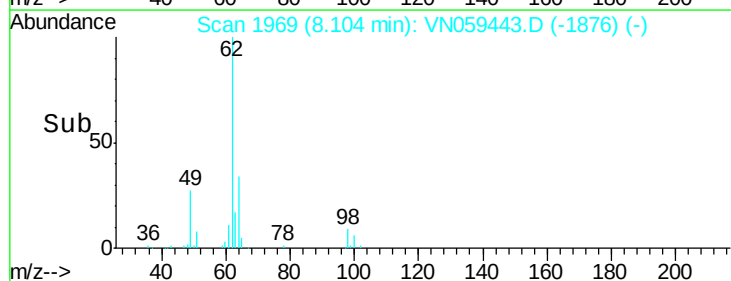
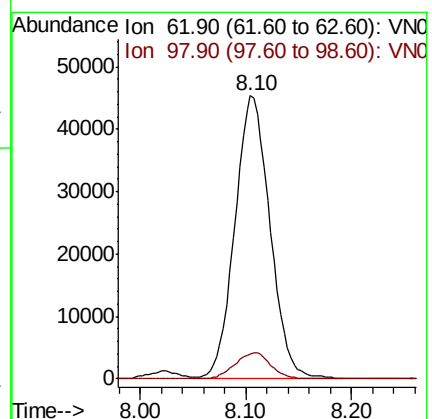
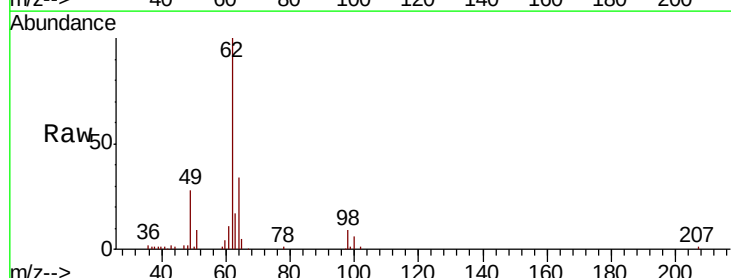
Manual Integrations
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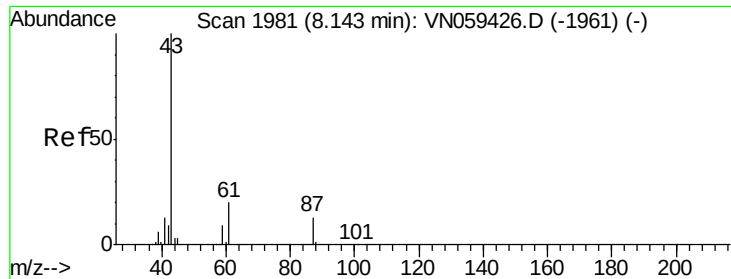
apatel
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#42
1,2-Dichloroethane
Concen: 21.276 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	62	Resp:	104895
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.137 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

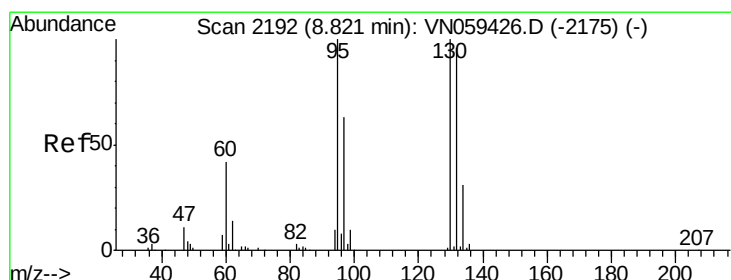
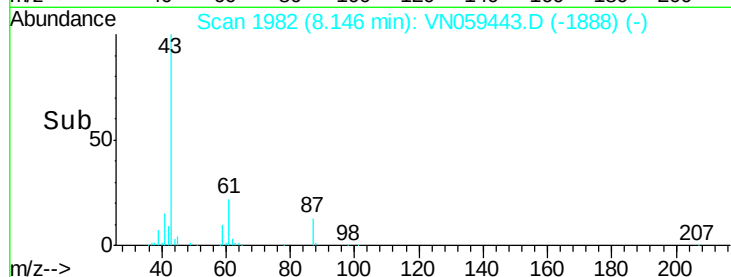
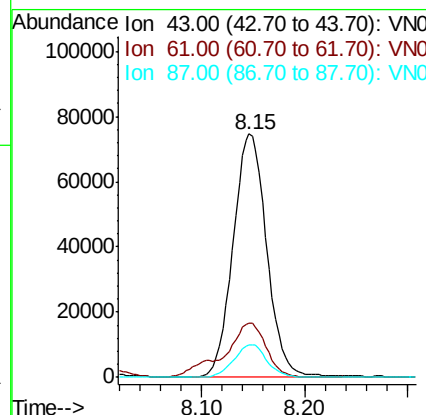
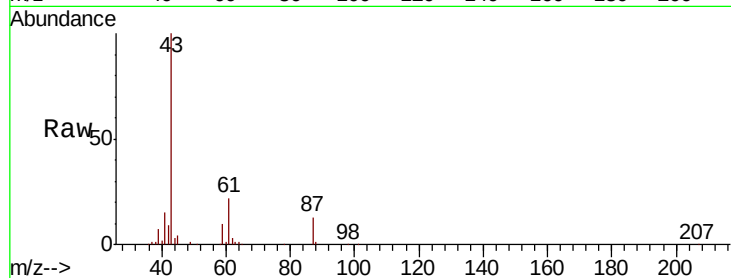
ClientSampleId :

VN1129WBSD01

Tot Ion:	43	Resp:	169489
Ion	Ratio	Lower	Upper
43	100		
61	22.4	22.2	33.2
87	13.3	10.7	16.1

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#44

Trichloroethene

Concen: 20.597 ug/l

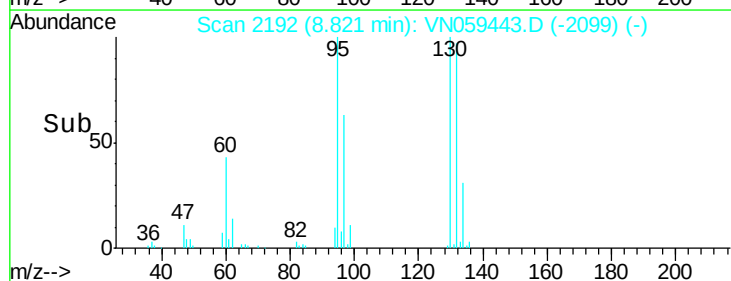
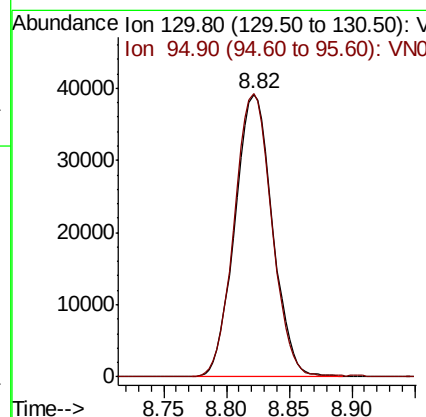
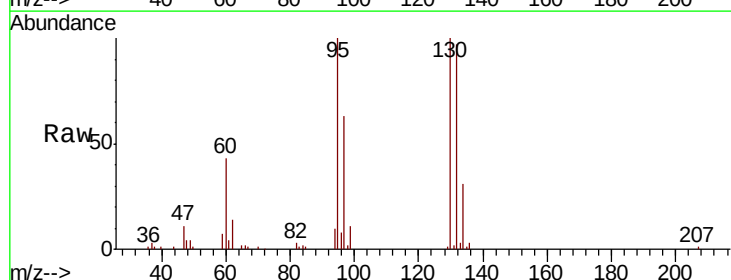
RT: 8.82 min Scan# 2192

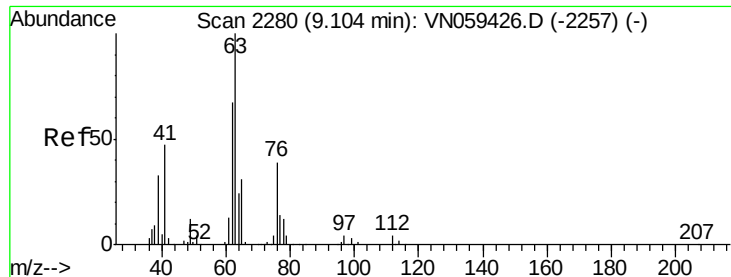
Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	130	Resp:	81658
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	199.6





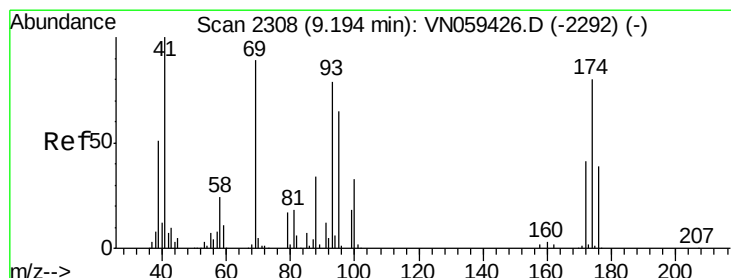
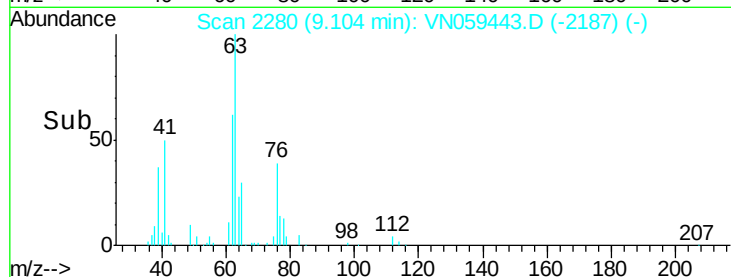
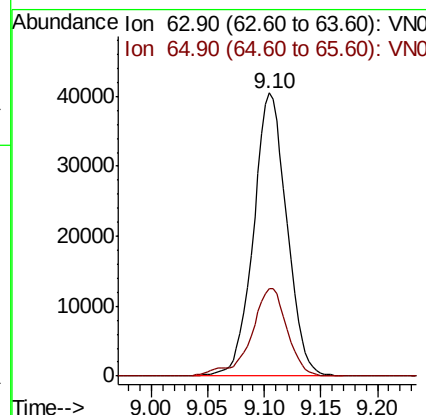
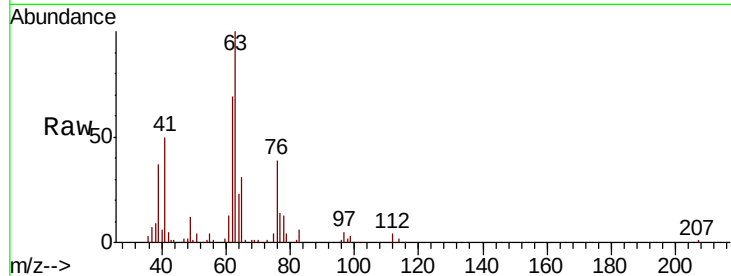
#45
 1,2-Dichloropropane
 Concen: 20.348 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

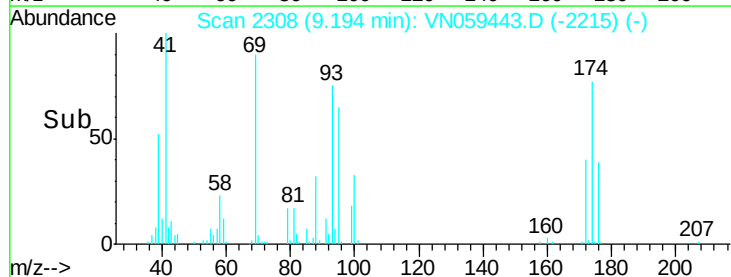
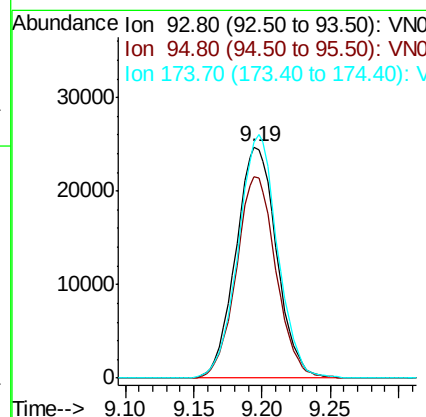
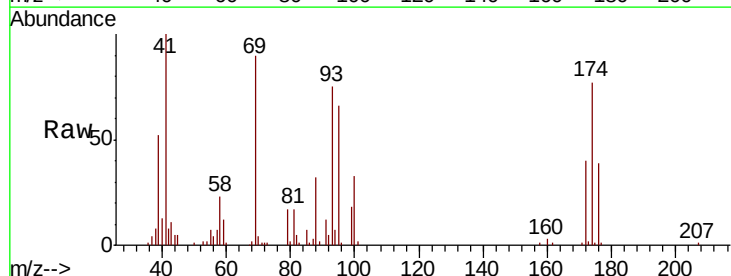
Manual Integrations
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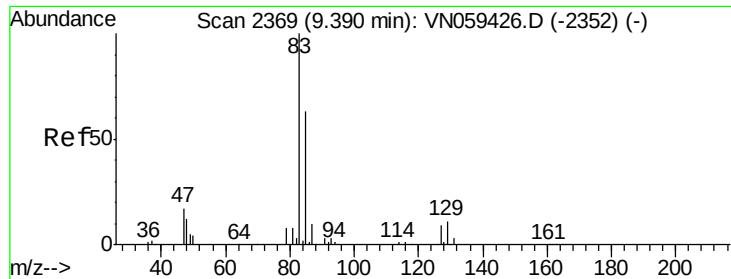
apatel
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#46
 Dibromomethane
 Concen: 20.445 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.2	99.4
174	101.7	81.8	122.8





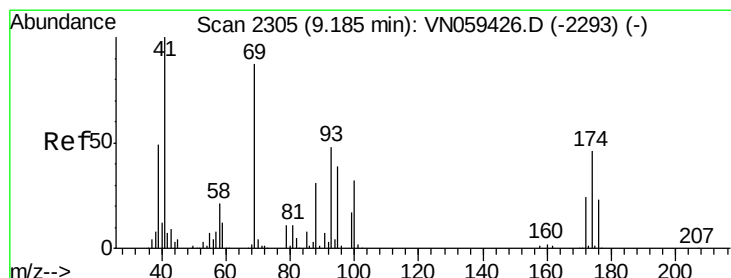
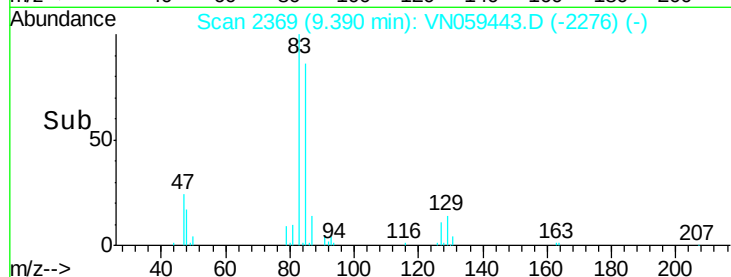
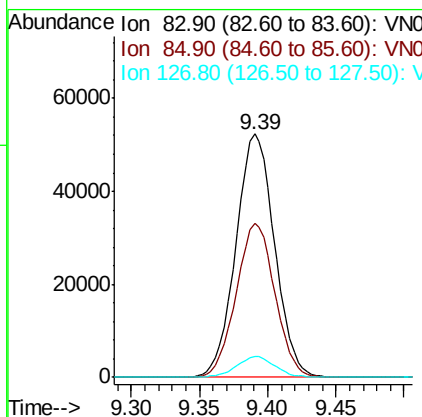
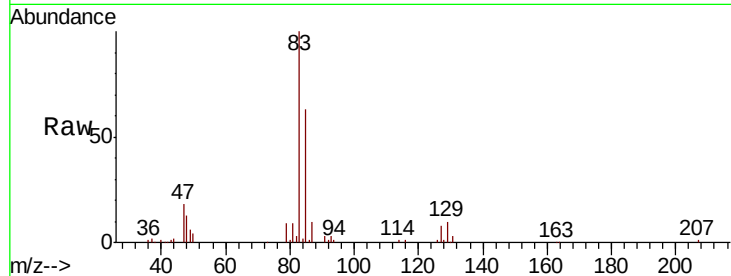
#47
Bromodichloromethane
Concen: 20.257 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	50.6	75.8	
127	8.5	6.8	10.2	

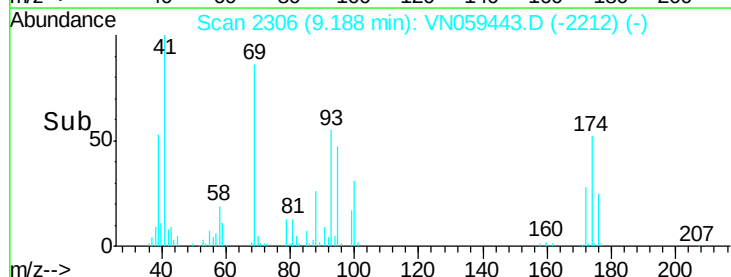
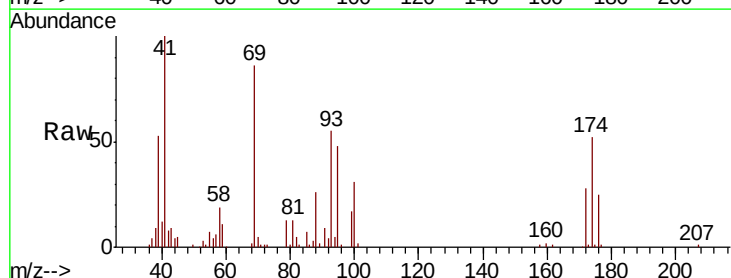
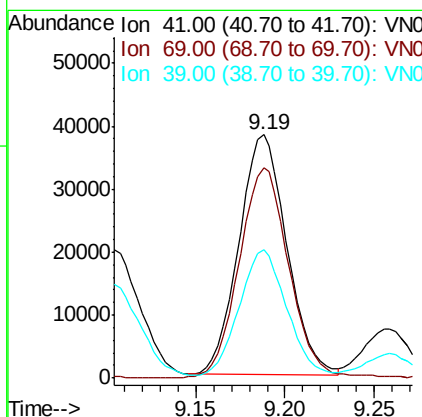
Manual Integrations
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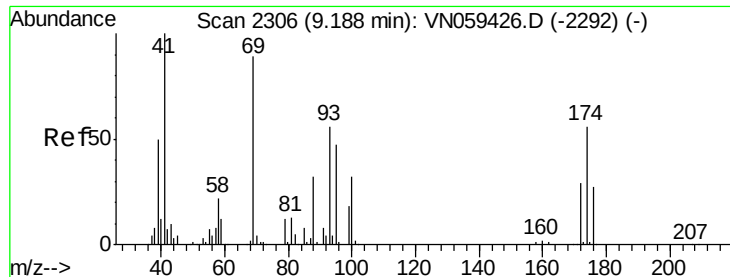
apatel
12/2/2019 10:38:55 AM



#48
Methyl methacrylate
Concen: 19.269 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.1	71.6	107.4	
39	53.1	41.3	61.9	





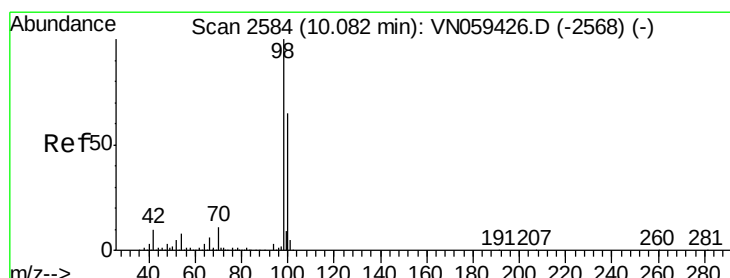
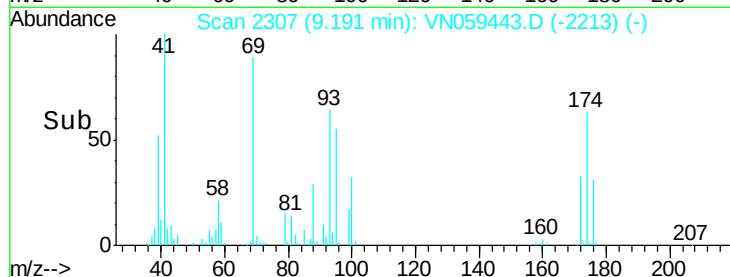
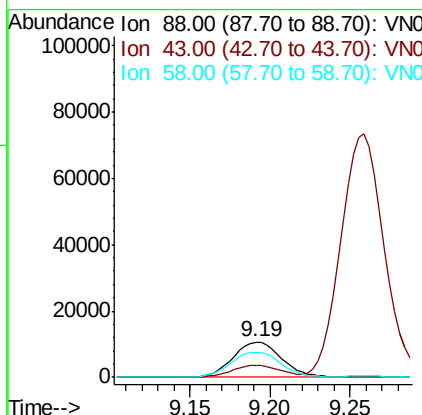
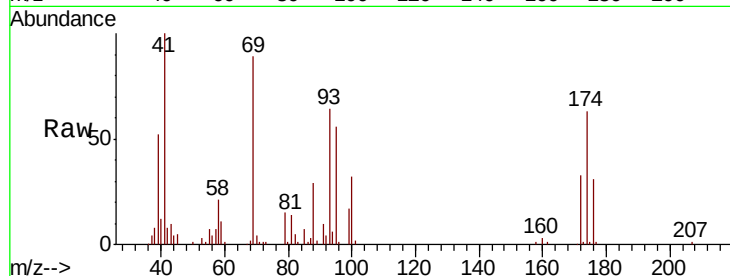
#49
1,4-Dioxane
Concen: 403.910 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleID :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	23.7	35.5
58	73.2	56.3	84.5

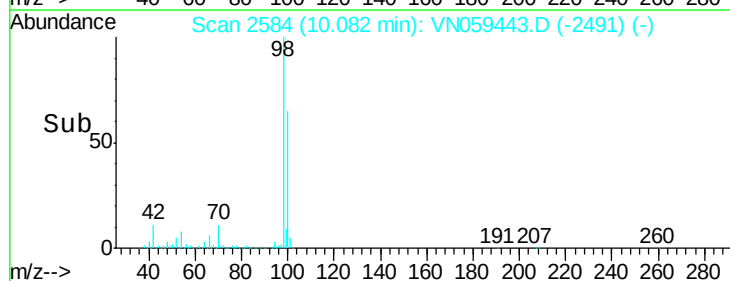
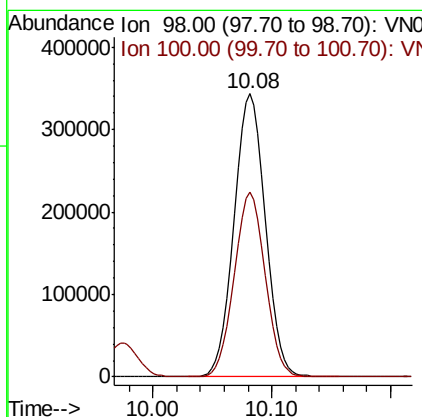
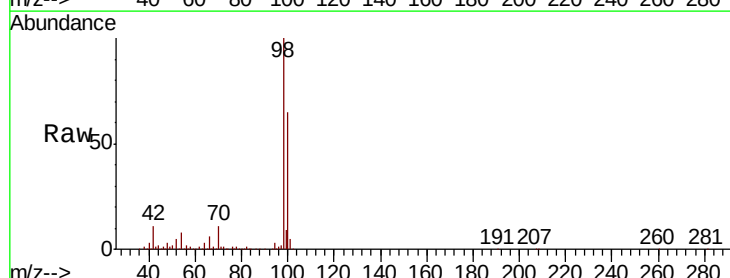
Manual Integrations
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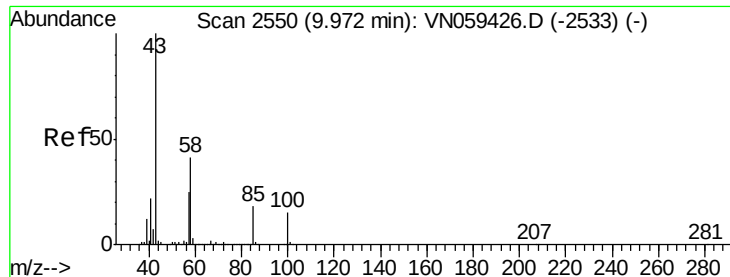
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#50
Toluene-d8
Concen: 47.432 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 103.621 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 43 Resp: 505881

Ion Ratio Lower Upper

43 100

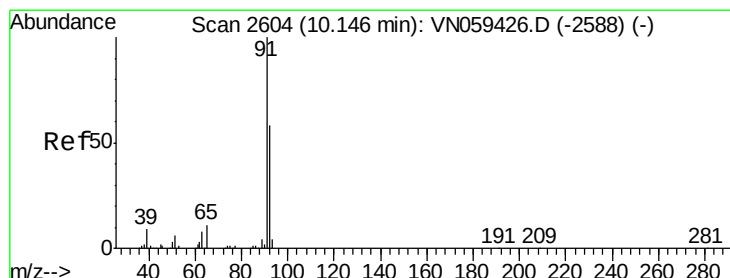
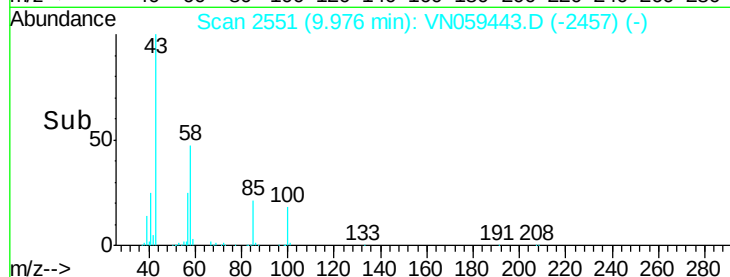
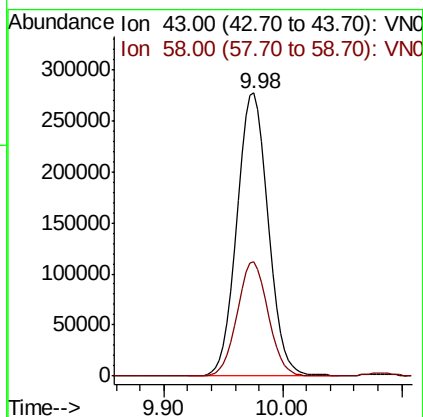
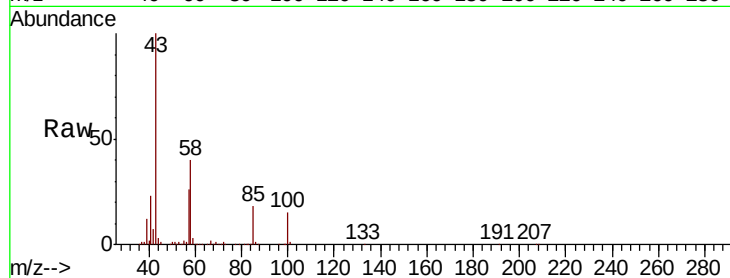
58 40.1 32.5 48.7

Manual Integrations

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#52

Toluene

Concen: 20.570 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059443.D

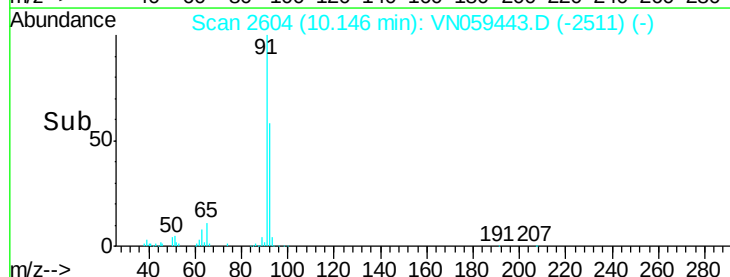
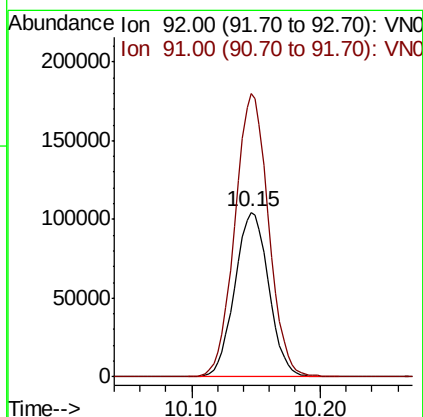
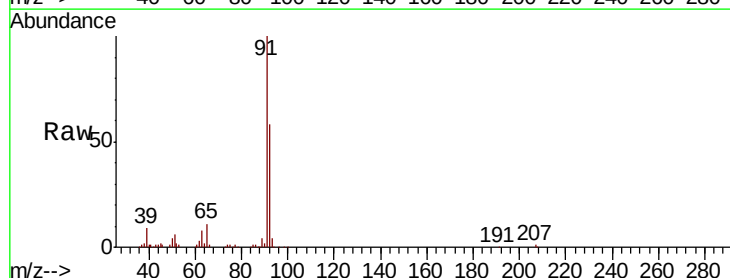
Acq: 29 Nov 2019 13:17

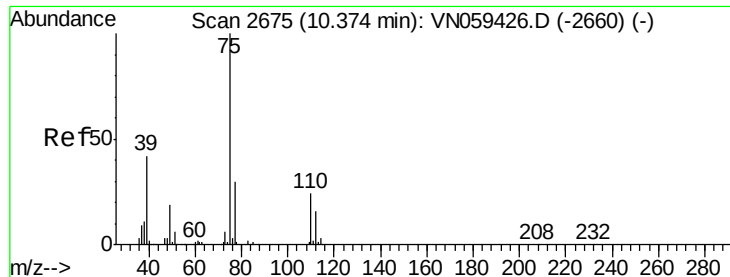
Tgt Ion: 92 Resp: 191074

Ion Ratio Lower Upper

92 100

91 170.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.066 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBSD01

Tot Ion: 75 Resp: 117042

Ion Ratio Lower Upper

75 100

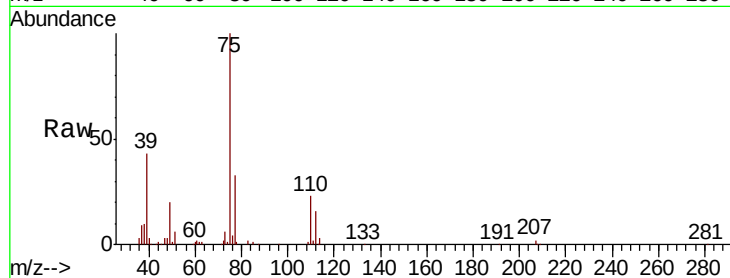
77 32.2 25.5 38.3

Manual Integrations

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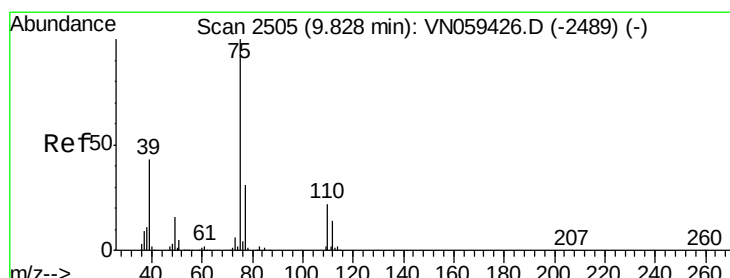
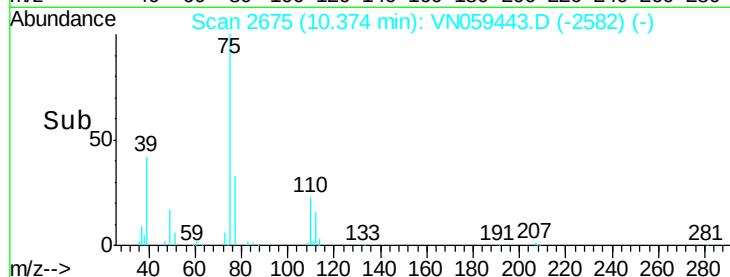
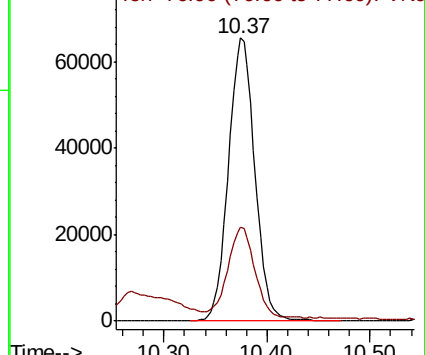
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.174 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

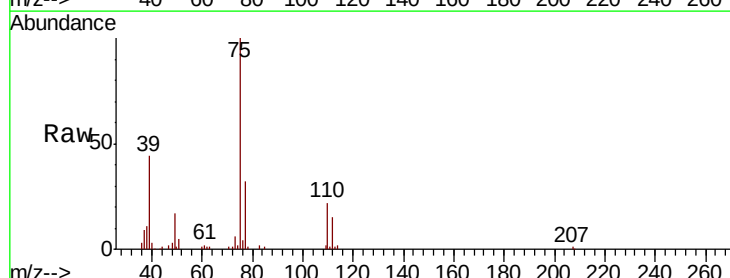
Tgt Ion: 75 Resp: 127026

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

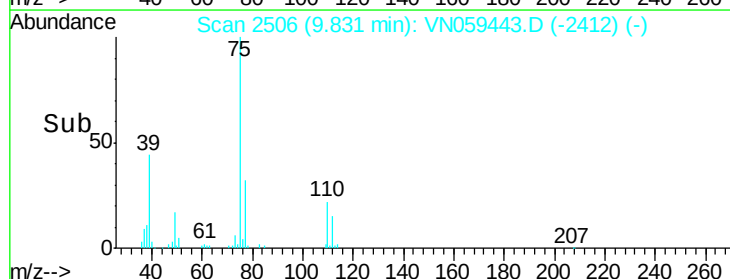
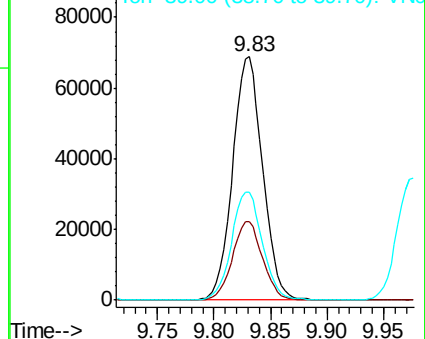
39 44.1 34.0 51.0

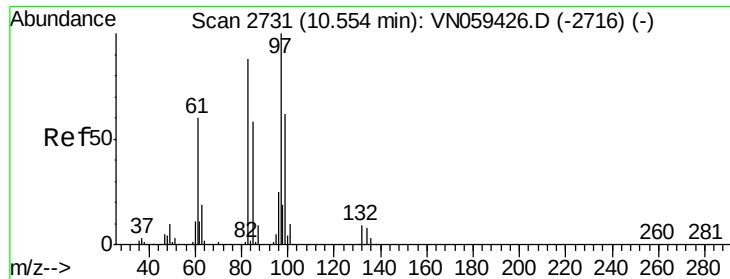


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.153 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

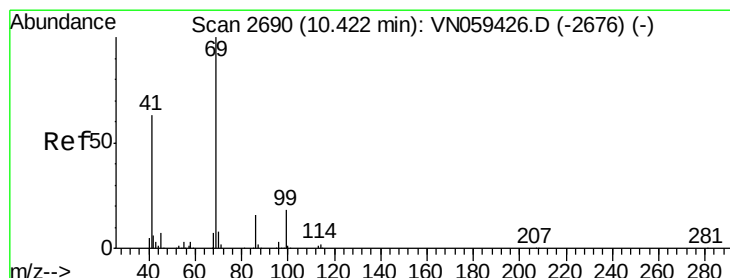
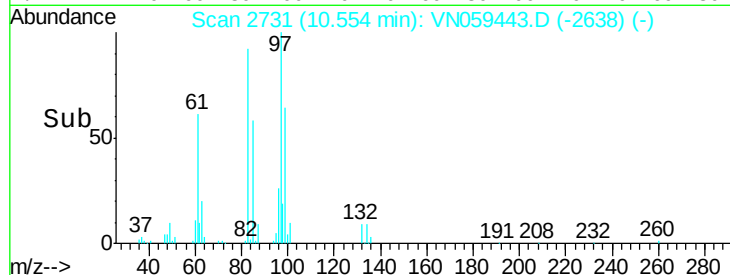
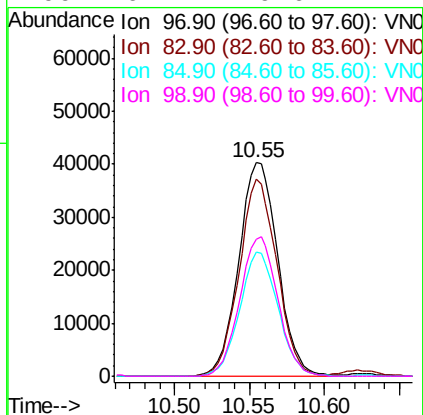
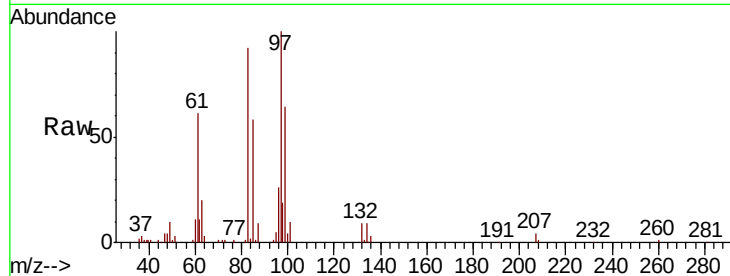
ClientSampleId :

VN1129WBSD01

Tot Ion:	97	Resp:	73271
Ion	Ratio	Lower	Upper
97	100		
83	92.0	70.7	106.1
85	58.1	46.4	69.6
99	64.4	49.6	74.4

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#56

Ethyl methacrylate

Concen: 21.233 ug/l

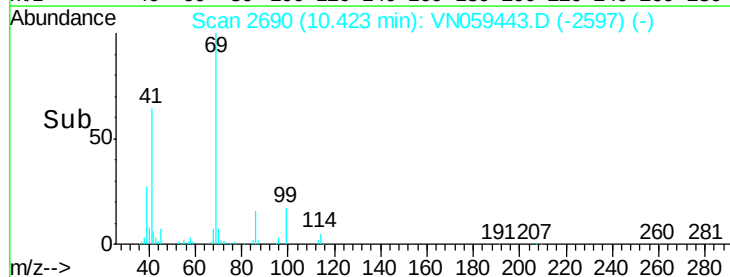
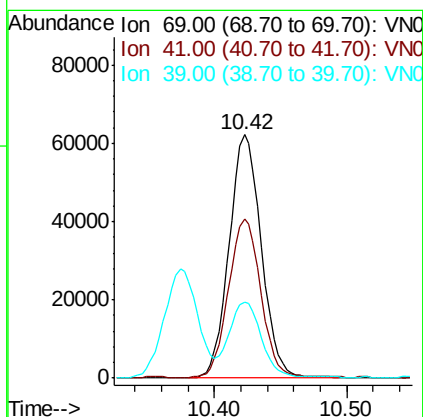
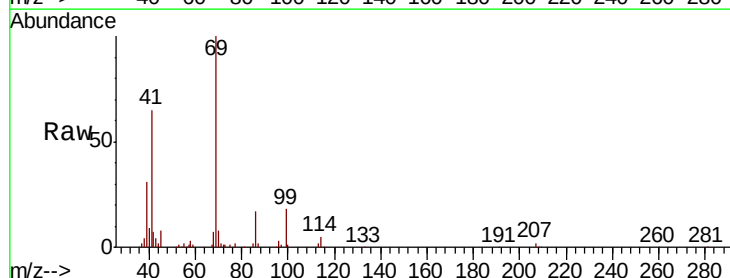
RT: 10.42 min Scan# 2690

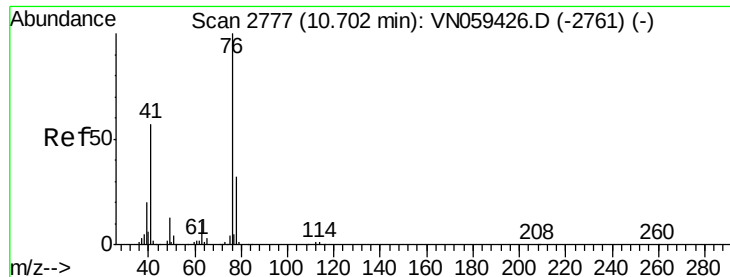
Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	69	Resp:	105060
Ion	Ratio	Lower	Upper
69	100		
41	64.8	50.1	75.1
39	31.8	23.9	35.9





#57

1,3-Dichloropropane

Concen: 20.388 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 76 Resp: 128115

Ion Ratio Lower Upper

76 100

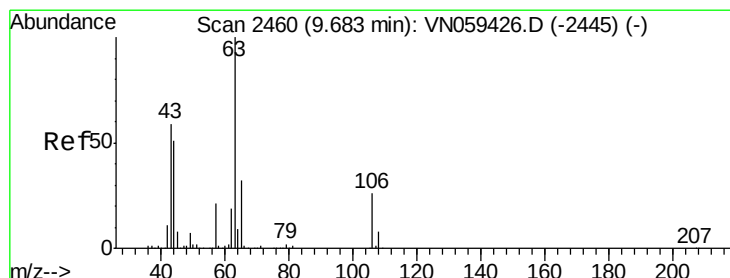
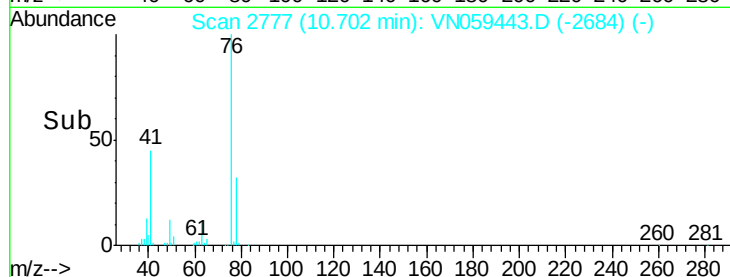
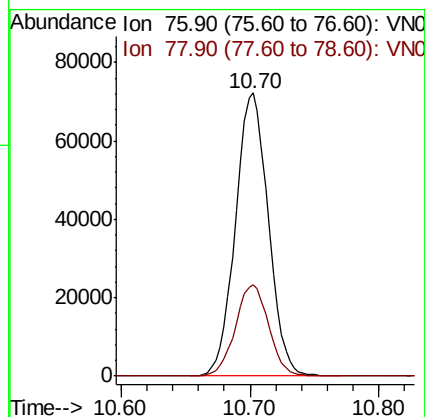
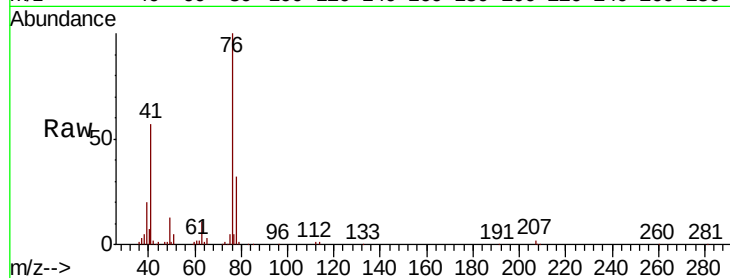
78 32.6 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 116.233 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059443.D

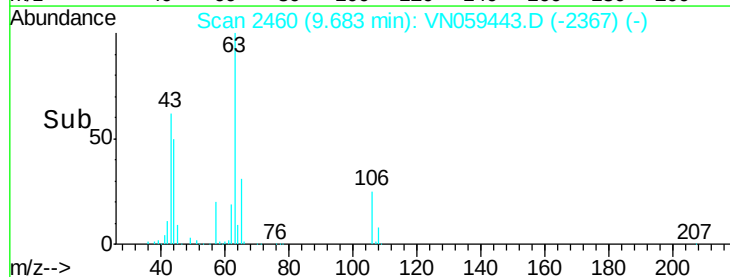
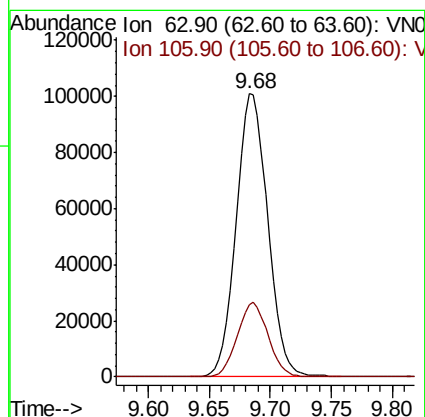
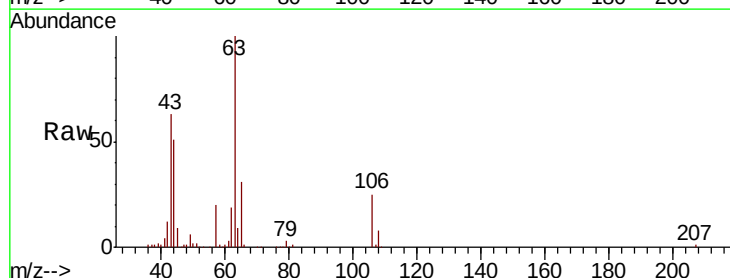
Acq: 29 Nov 2019 13:17

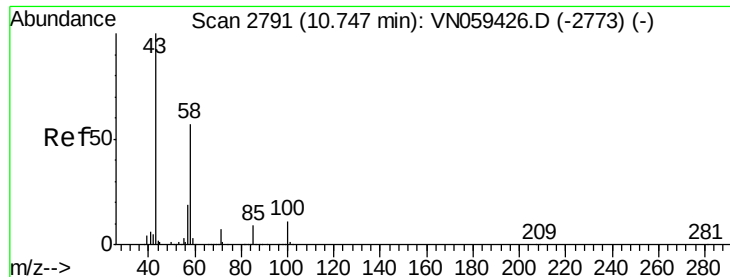
Tgt Ion: 63 Resp: 181069

Ion Ratio Lower Upper

63 100

106 25.6 20.9 31.3





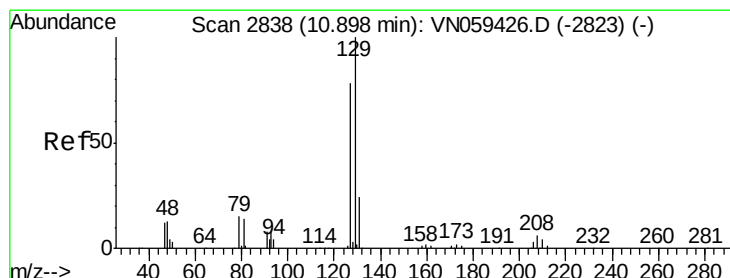
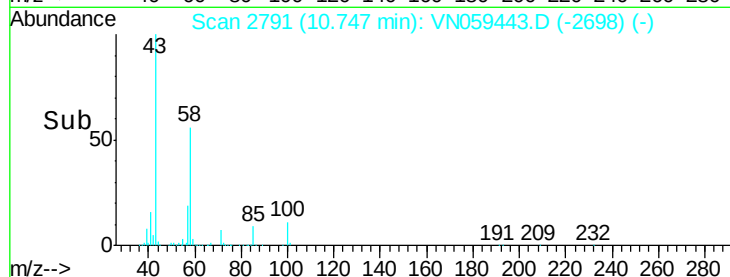
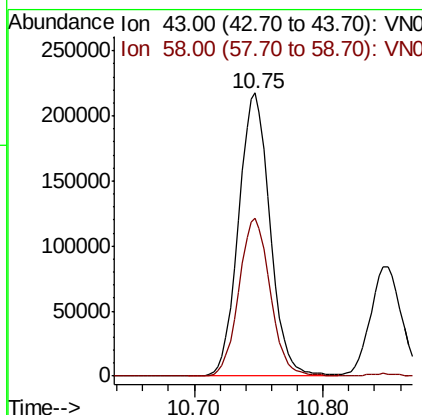
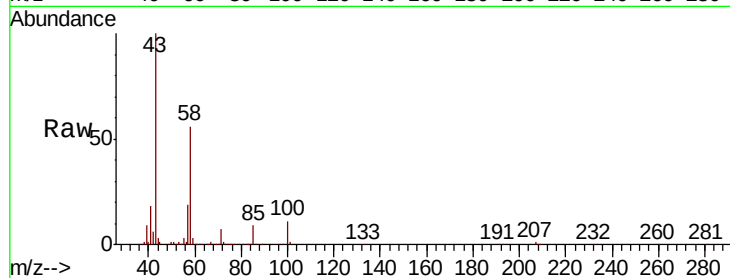
#59
2-Hexanone
Concen: 101.980 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	43	Resp	369179
Ion Ratio	100	Lower	Upper
43	100		
58	55.5	28.3	85.0

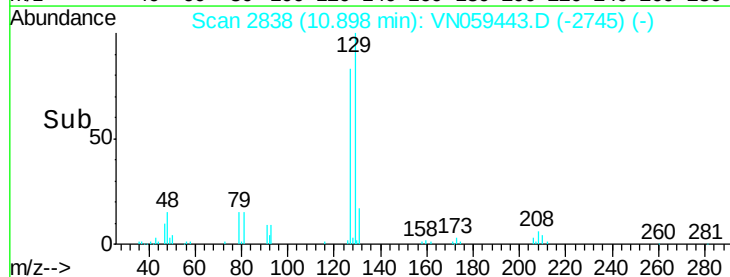
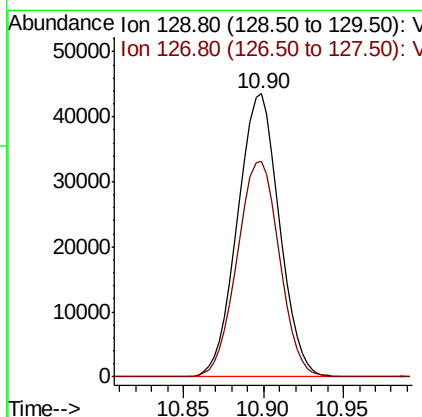
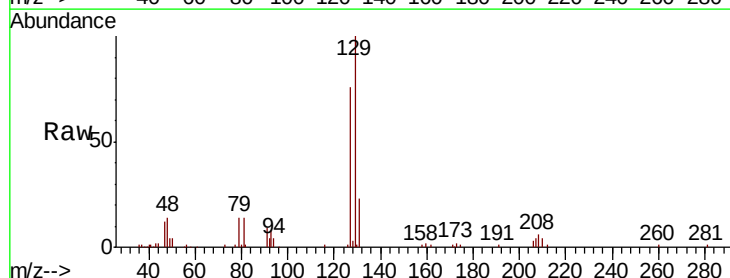
Manual Integrations
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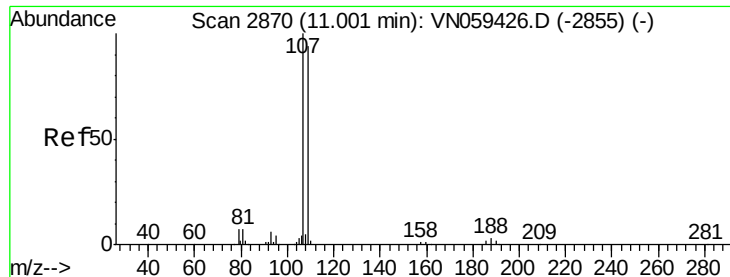
apatel
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#60
Dibromochloromethane
Concen: 20.484 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	129	Resp	77740
Ion Ratio	100	Lower	Upper
129	100		
127	77.0	38.6	116.0





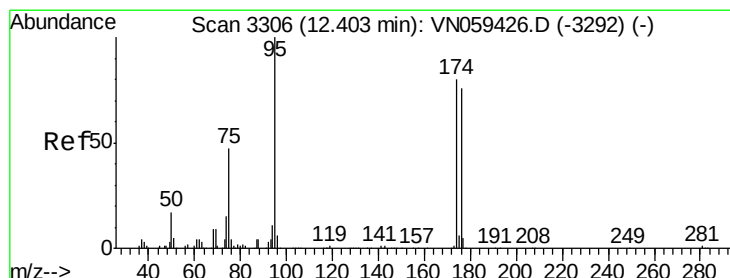
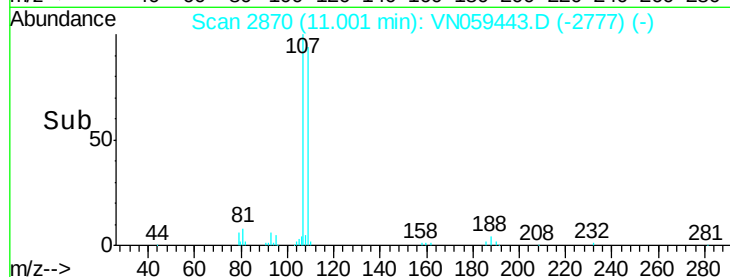
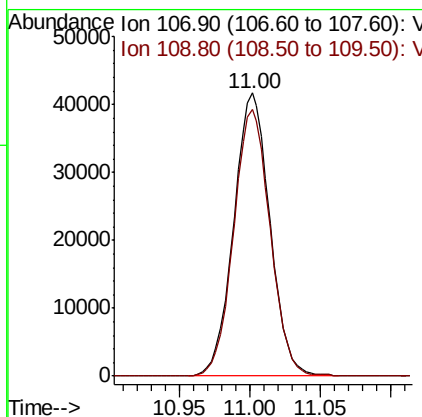
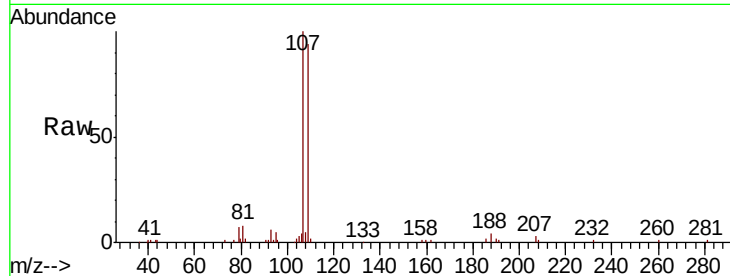
#61
1,2-Dibromoethane
Concen: 20.094 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion: 107 Resp: 74865
Ion Ratio Lower Upper
107 100
109 94.9 75.8 113.8

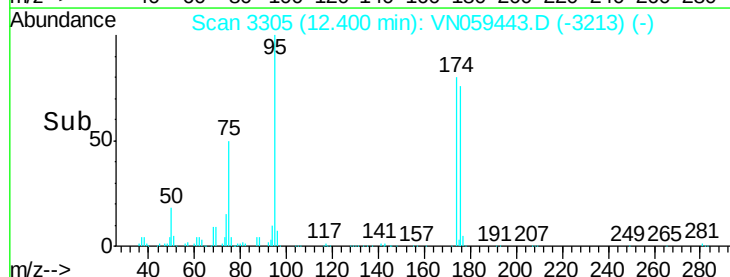
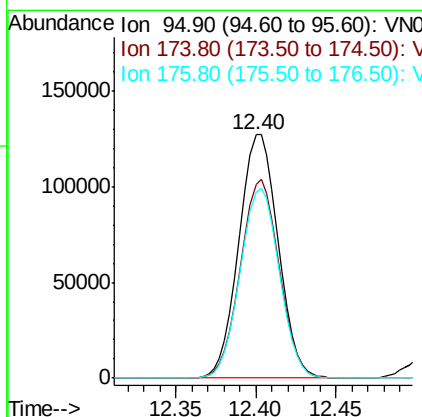
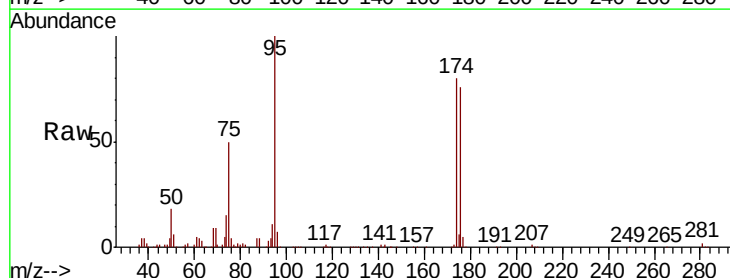
Manual Integrations
APPROVED

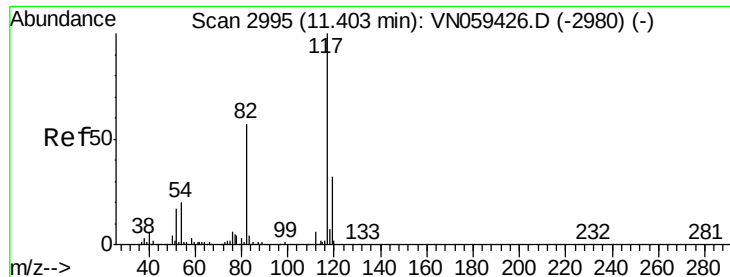
apatel
12/2/2019 10:38:55 AM



#62
4-Bromofluorobenzene
Concen: 46.225 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 95 Resp: 212712
Ion Ratio Lower Upper
95 100
174 80.8 0.0 158.0
176 78.1 0.0 153.0





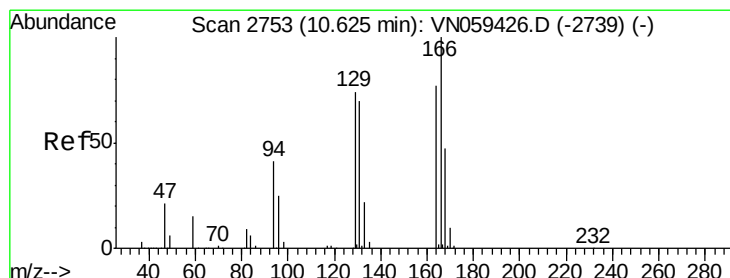
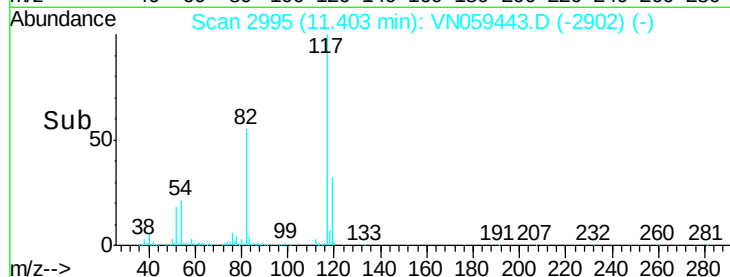
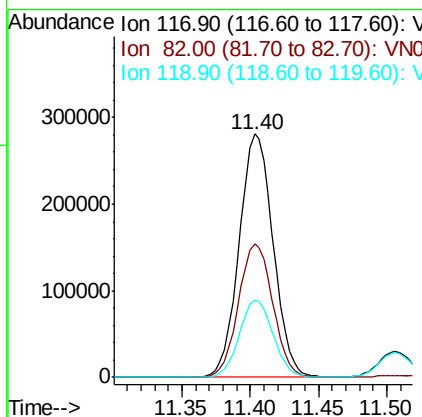
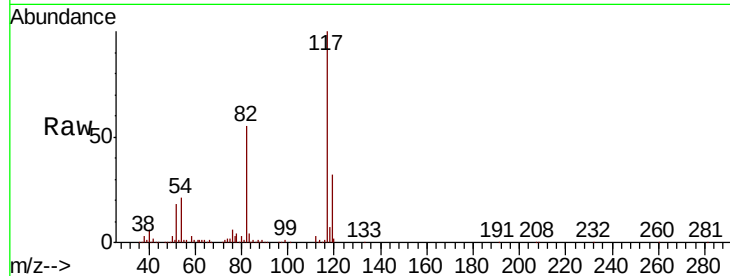
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	486316		
82	54.8		45.4	68.0
119	31.9		25.6	38.4

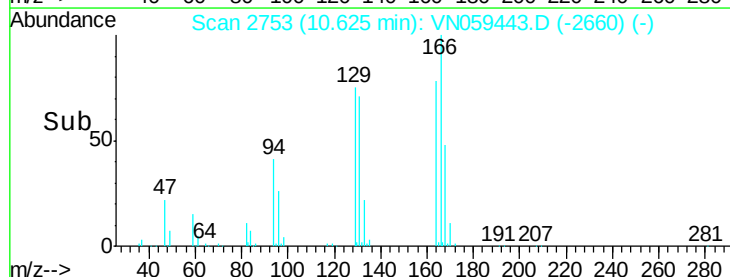
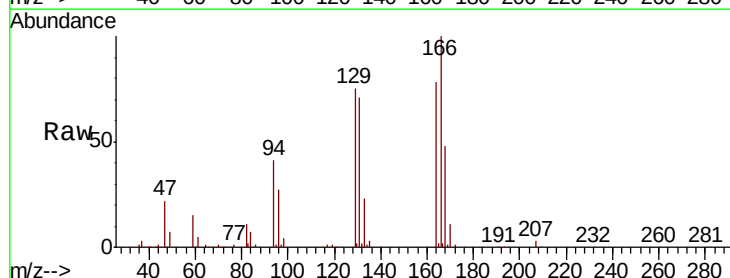
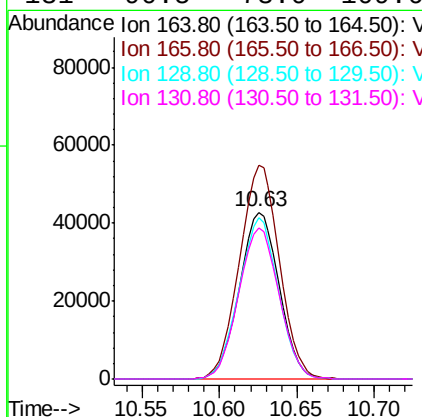
Manual Integrations
APPROVED

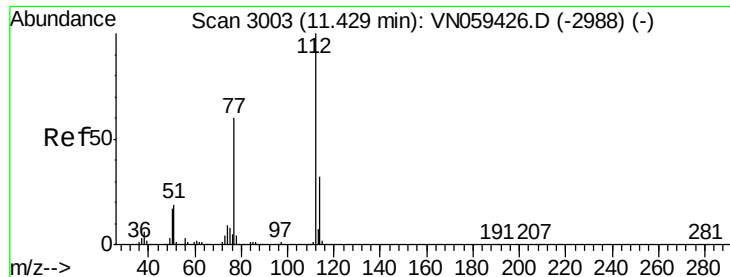
apatel
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#64
Tetrachloroethene
Concen: 21.257 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76461		
166	127.9		104.2	156.4
129	96.4		76.8	115.2
131	90.5		73.0	109.6





#65

Chlorobenzene

Concen: 19.961 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion:112 Resp: 196525

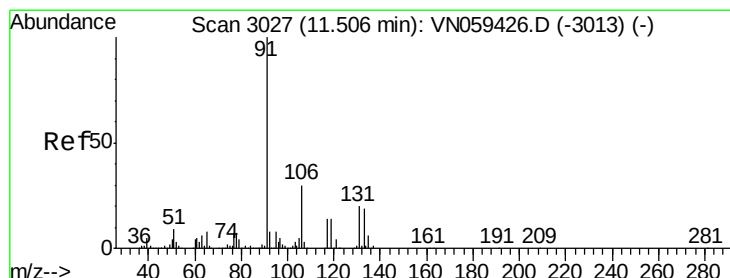
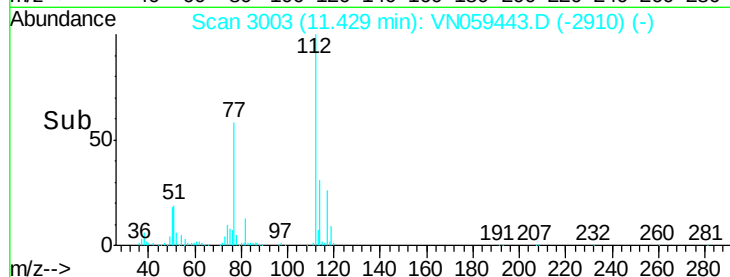
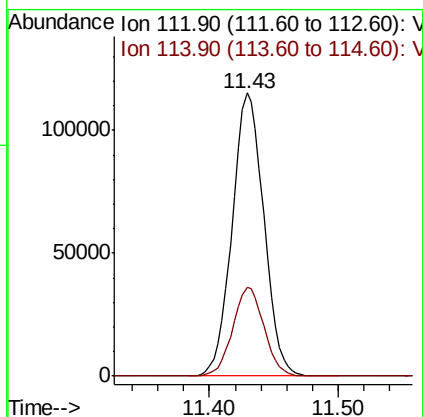
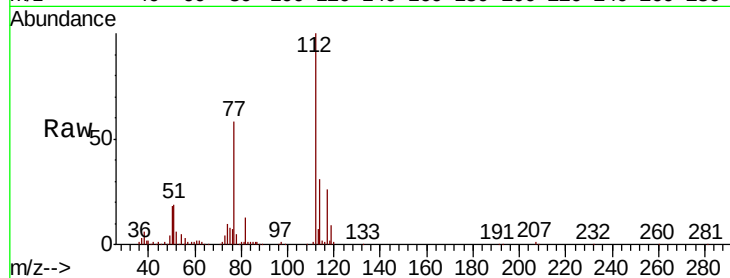
Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.512 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

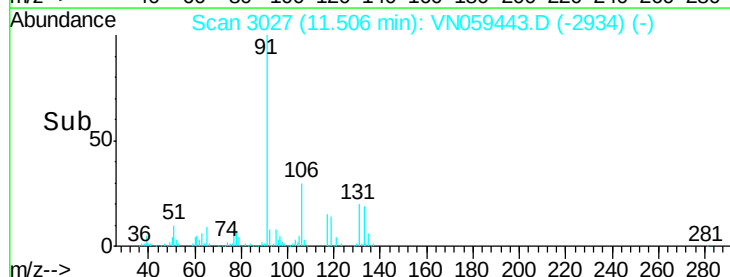
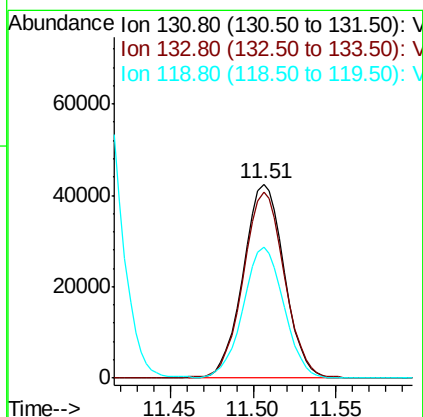
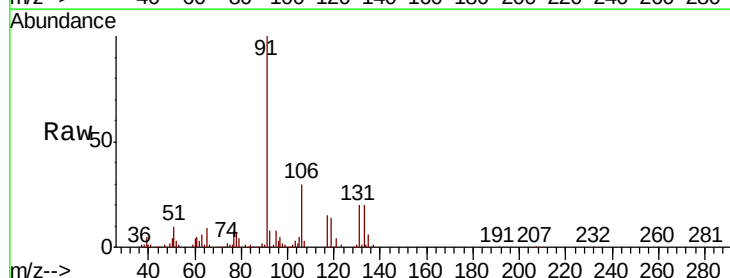
Tgt Ion:131 Resp: 73235

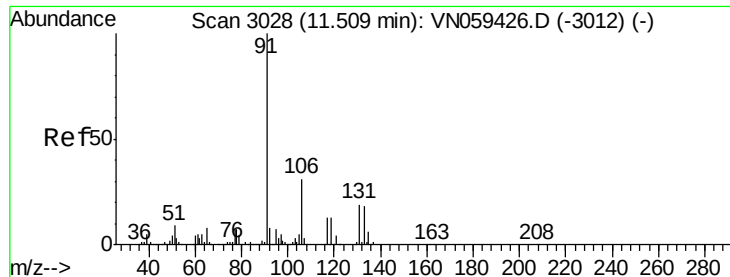
Ion Ratio Lower Upper

131 100

133 97.1 48.2 144.6

119 67.1 33.8 101.3





#67

Ethyl Benzene

Concen: 20.348 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion: 91 Resp: 351870

Ion Ratio Lower Upper

91 100

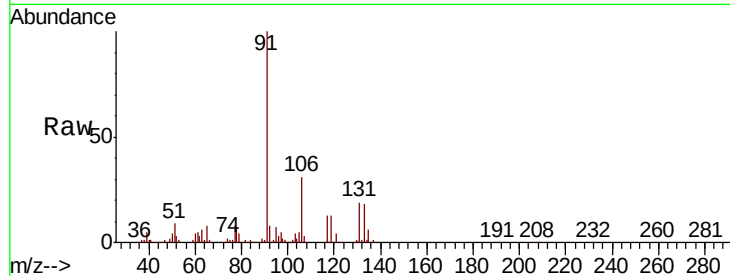
106 30.6 24.7 37.1

Manual Integrations

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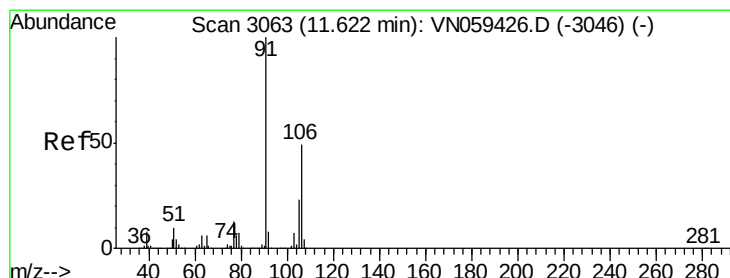
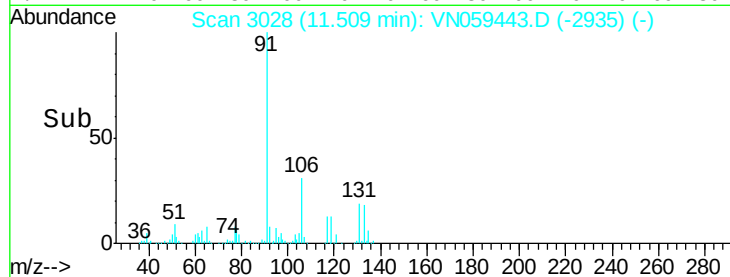
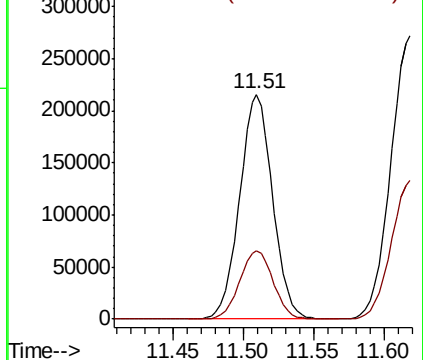
apatel

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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: 40.035 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059443.D

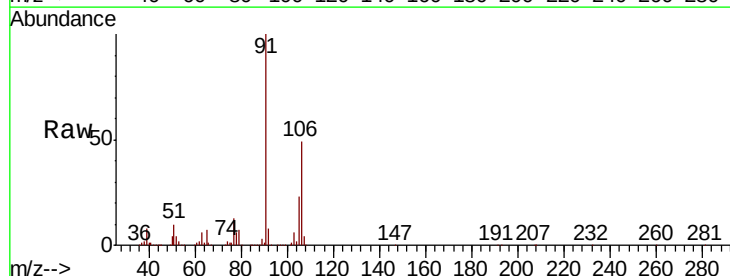
Acq: 29 Nov 2019 13:17

Tgt Ion: 106 Resp: 258487

Ion Ratio Lower Upper

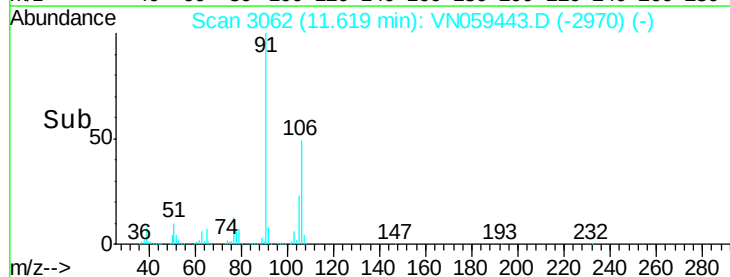
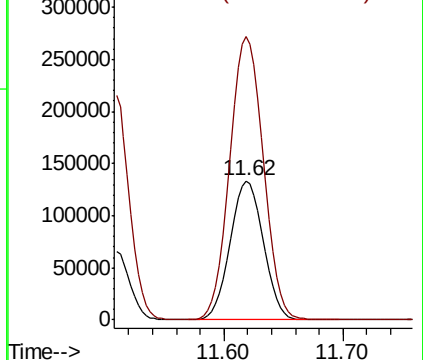
106 100

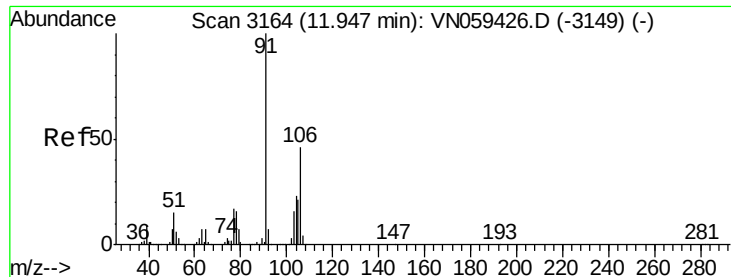
91 205.7 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





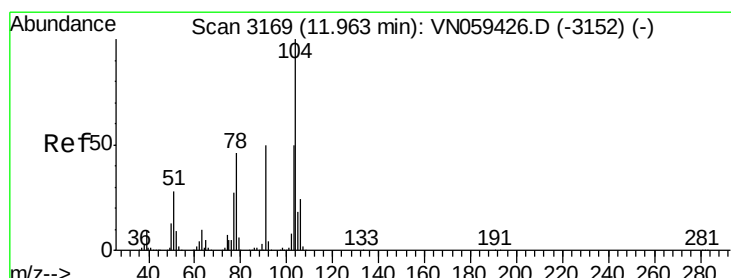
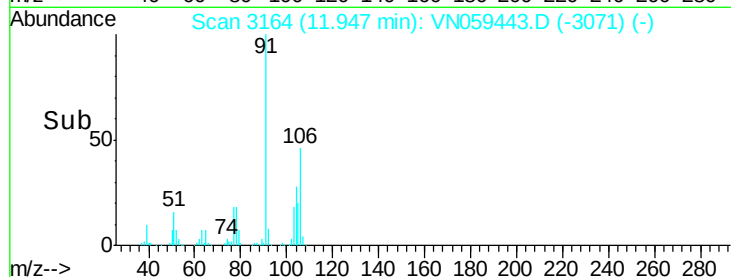
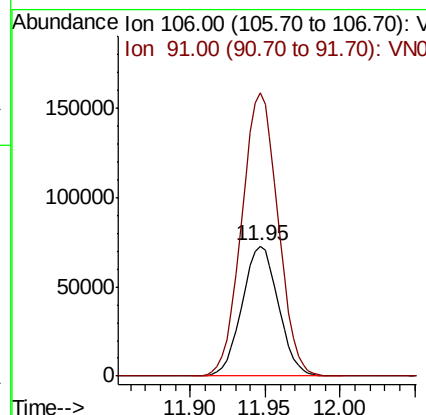
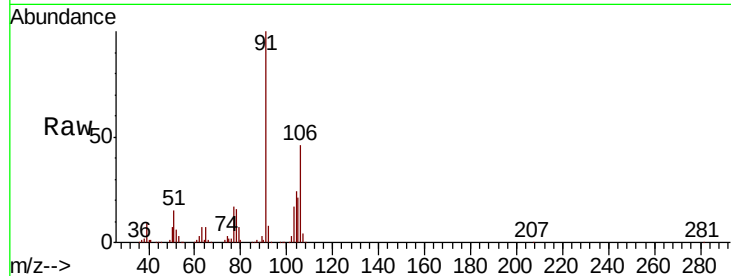
#69
o-Xylene
Concen: 19.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.7	107.5	322.4

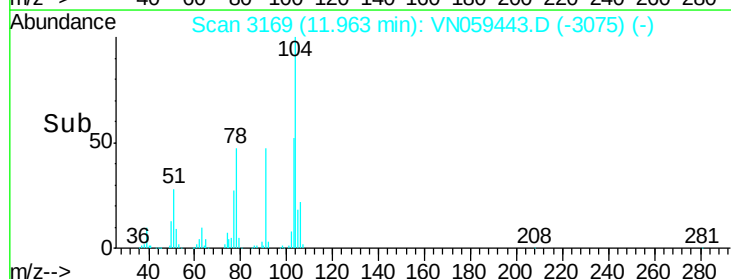
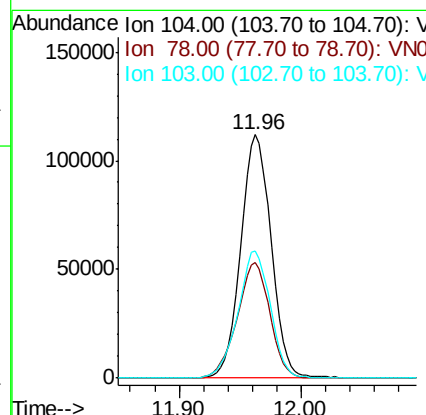
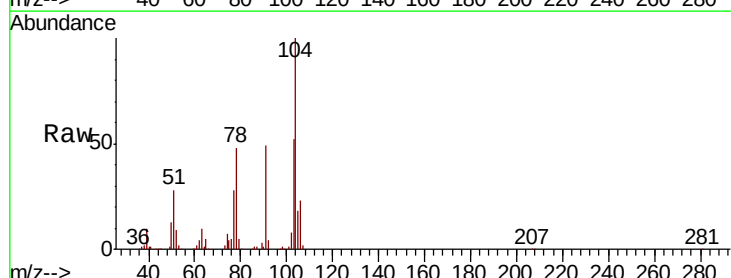
Manual Integrations
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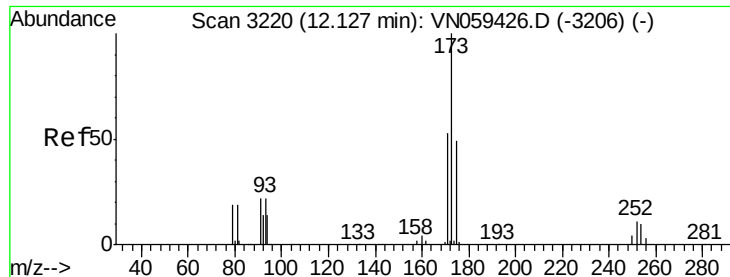
apatel
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#70
Styrene
Concen: 21.025 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.4	60.6
103	55.7	43.8	65.6





#71

Bromoform

Concen: 19.833 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

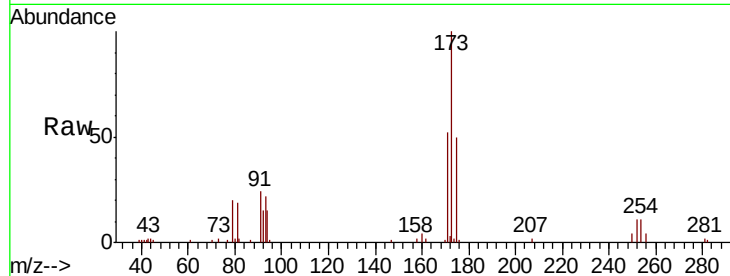
ClientSampleId :

VN1129WBSD01

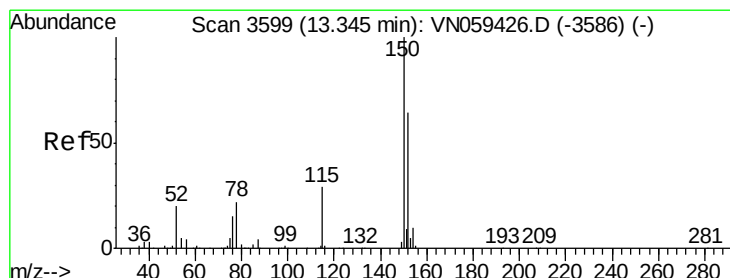
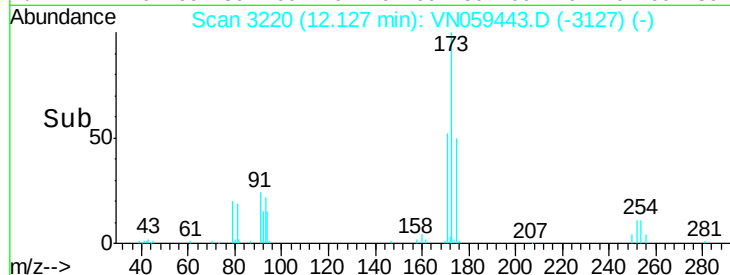
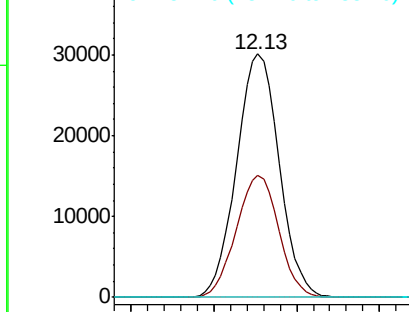
Tot Ion:	173	Resp:	53916
Ion Ratio	Lower	Upper	
173	100		
175	49.8	24.1	72.3
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

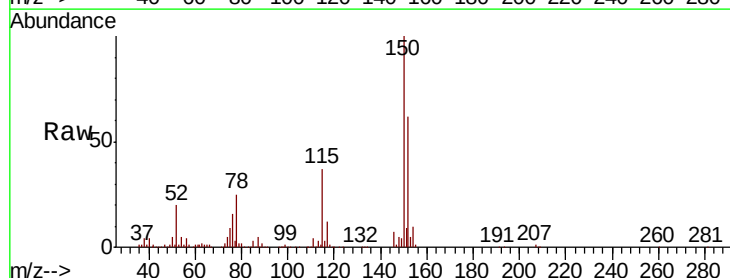
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

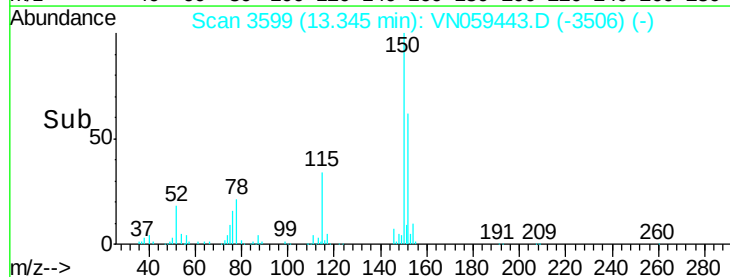
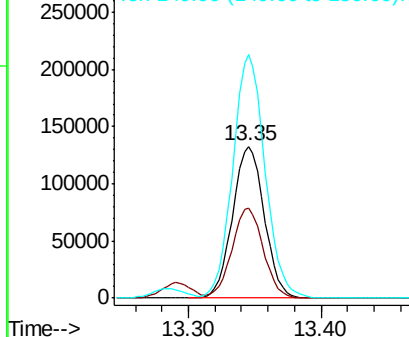
Lab File: VN059443.D

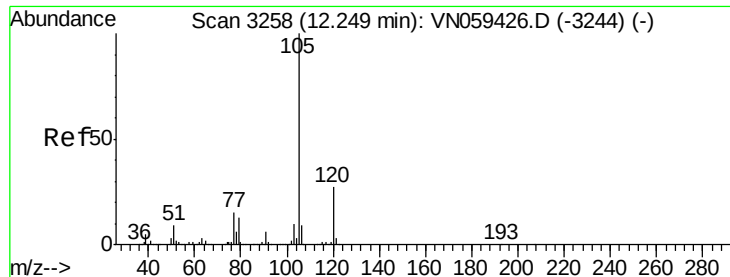
Acq: 29 Nov 2019 13:17

Tgt Ion:	152	Resp:	220162
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.5	88.6
150	162.6	0.0	347.2



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





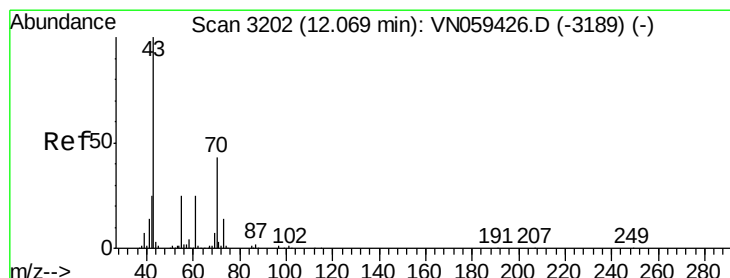
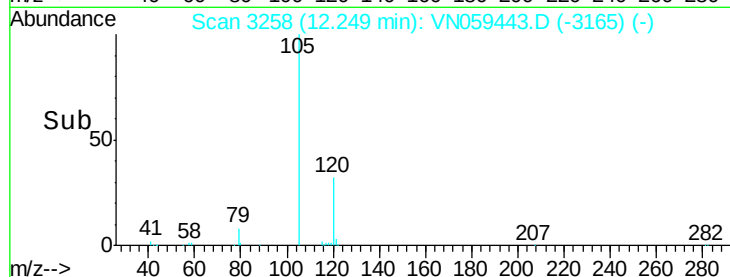
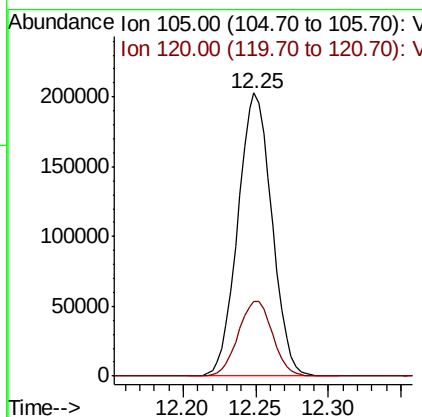
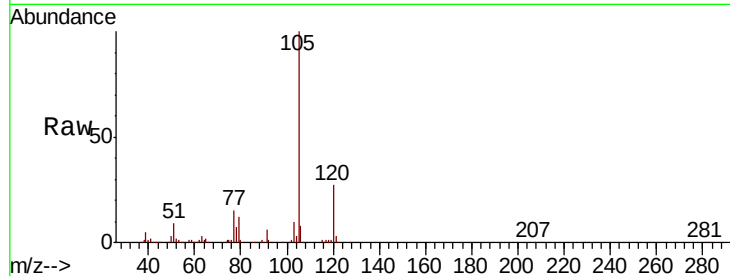
#73
Isopropylbenzene
Concen: 20.253 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.6

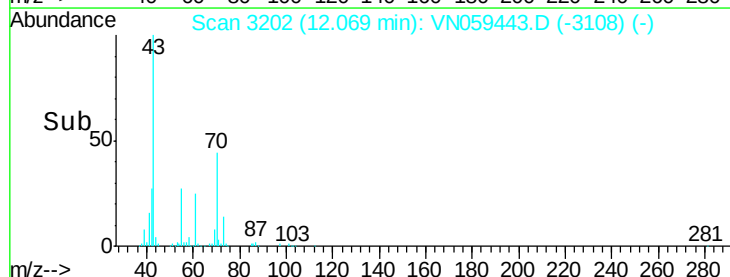
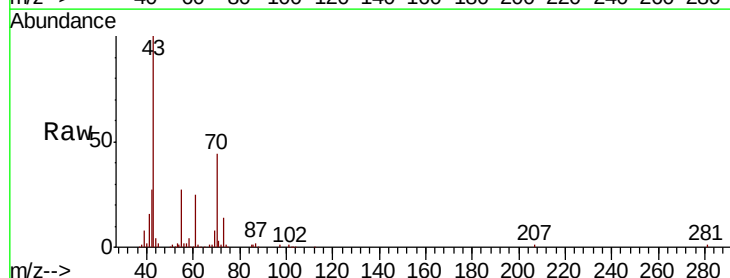
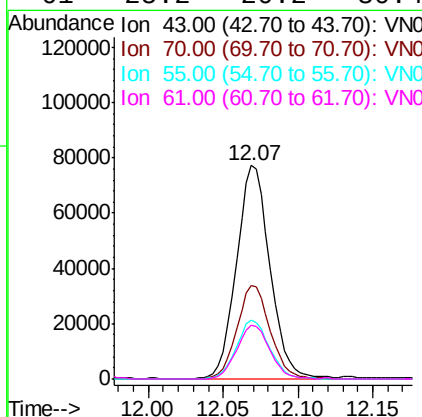
Manual Integrations
APPROVED

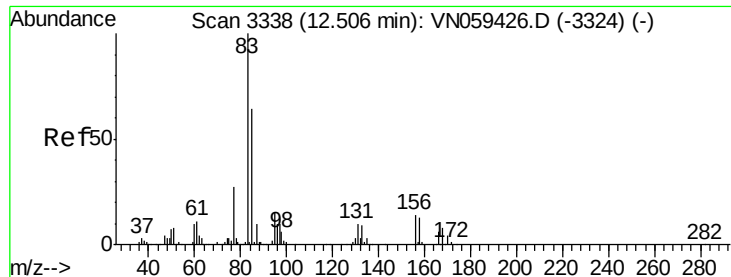
apatel
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#74
N-ethyl acetate
Concen: 21.214 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.6	52.0
55	27.3	20.5	30.7
61	25.2	20.2	30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.492 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

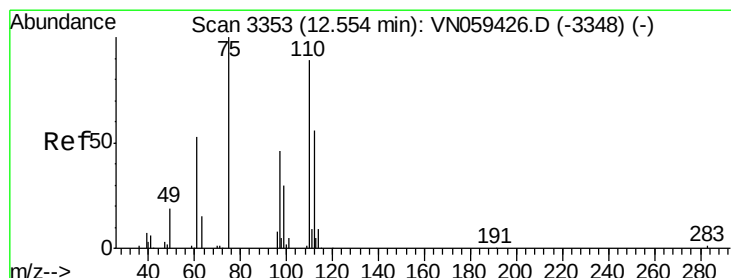
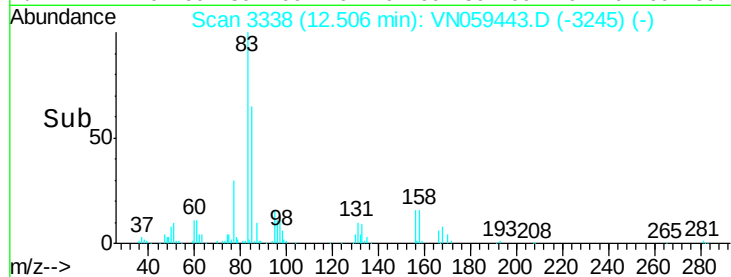
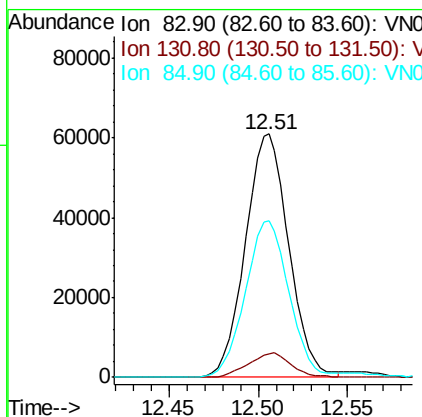
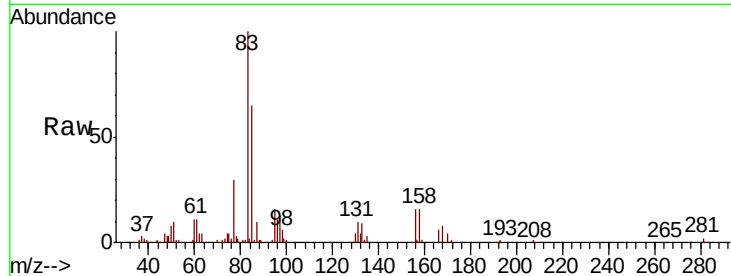
ClientSampleId :

VN1129WBSD01

Tot Ion:	83	Resp:	103674
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	64.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.136 ug/l m

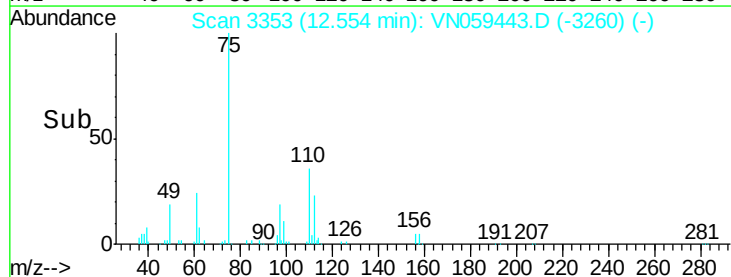
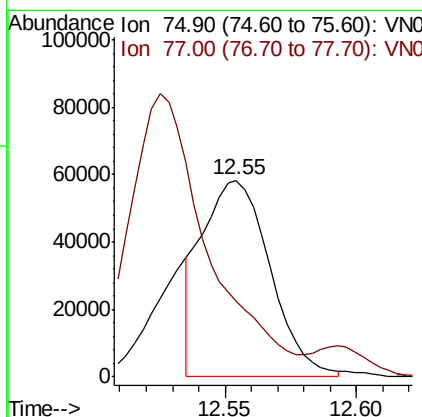
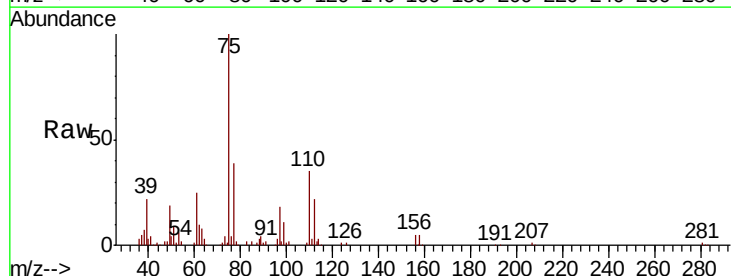
RT: 12.55 min Scan# 3353

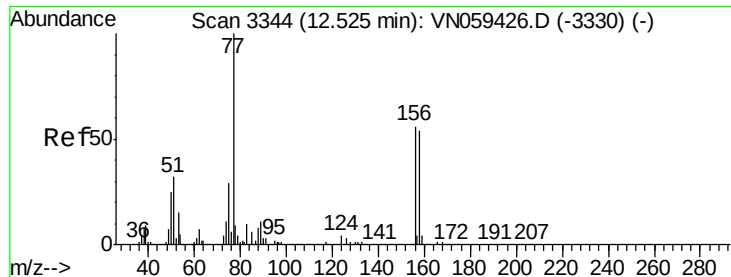
Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	75	Resp:	105270
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.289 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion:156 Resp: 81018

Ion Ratio Lower Upper

156 100

77 217.8 108.7 326.3

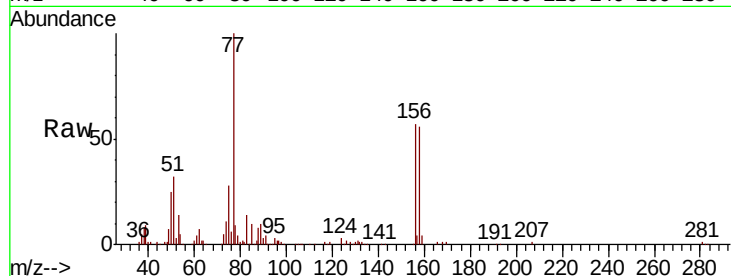
158 98.0 48.3 144.9

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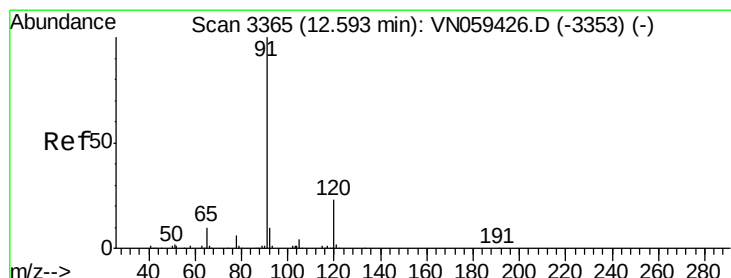
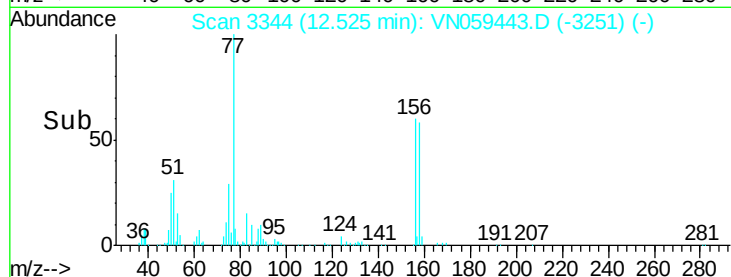
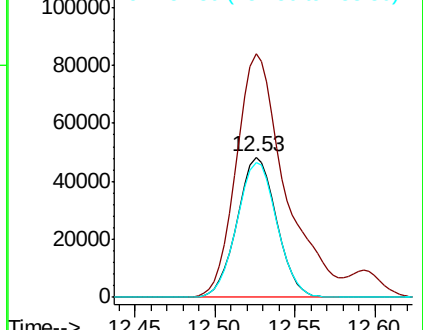
12/2/2019 10:38:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.372 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059443.D

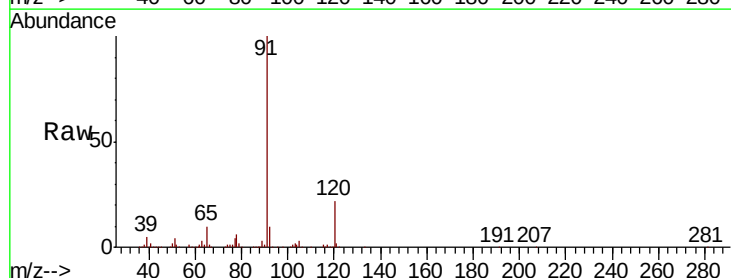
Acq: 29 Nov 2019 13:17

Tgt Ion: 91 Resp: 382890

Ion Ratio Lower Upper

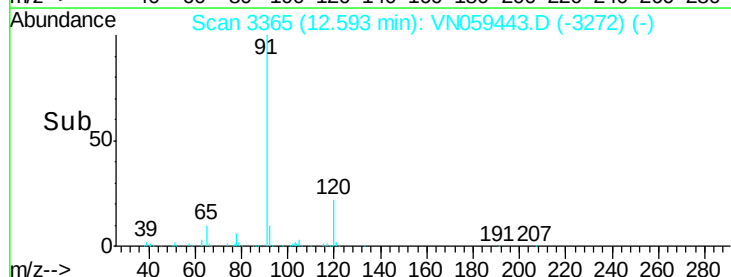
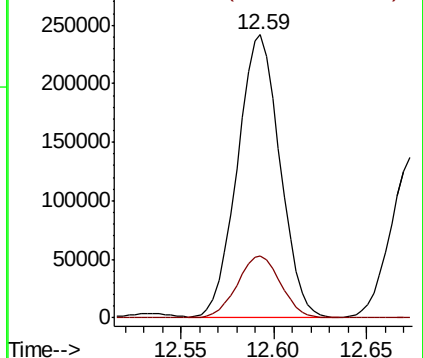
91 100

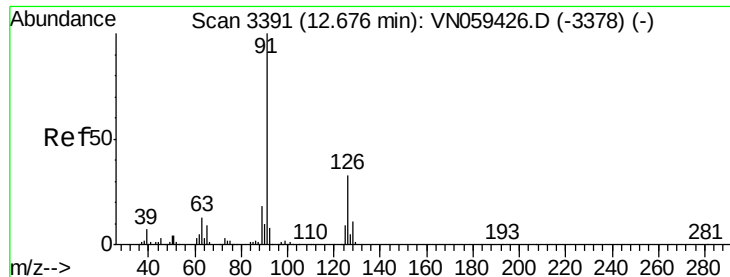
120 22.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.253 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN1129WBSD01

Tot Ion: 91 Resp: 227577

Ion Ratio Lower Upper

91 100

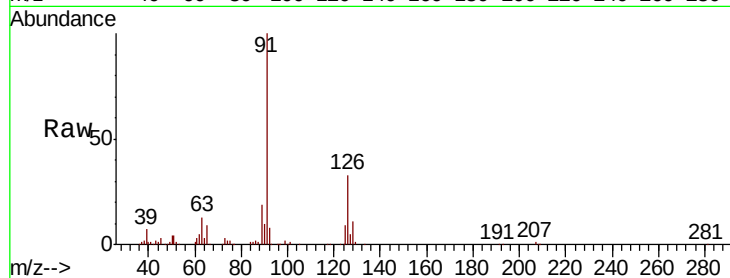
126 32.9 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059443.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN059443.D (-3298) (-)

250000

200000

150000

100000

50000

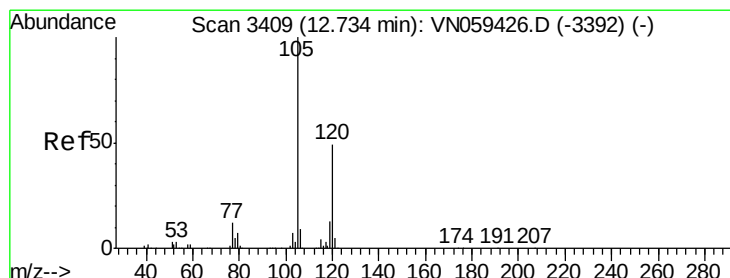
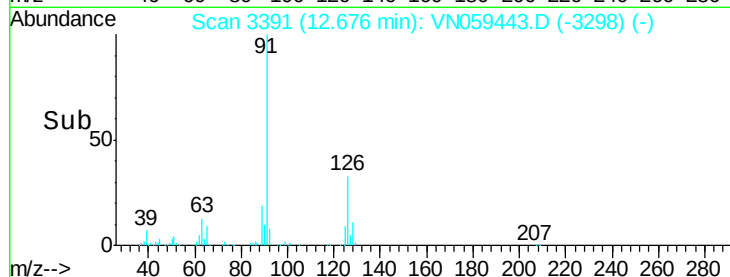
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.315 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059443.D

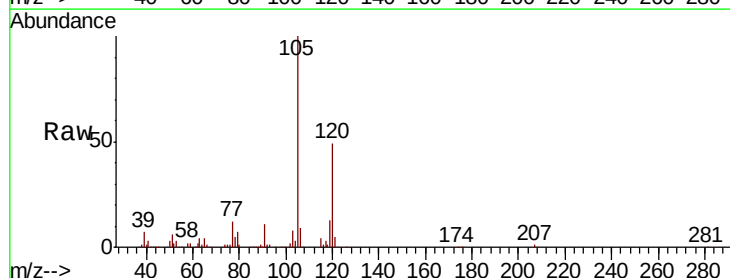
Acq: 29 Nov 2019 13:17

Tgt Ion: 105 Resp: 278519

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059443.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059443.D (-3316) (-)

200000

150000

100000

50000

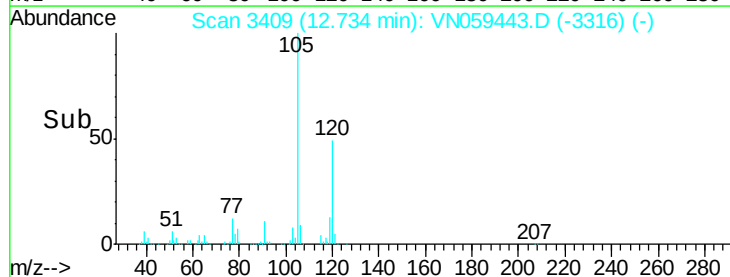
0

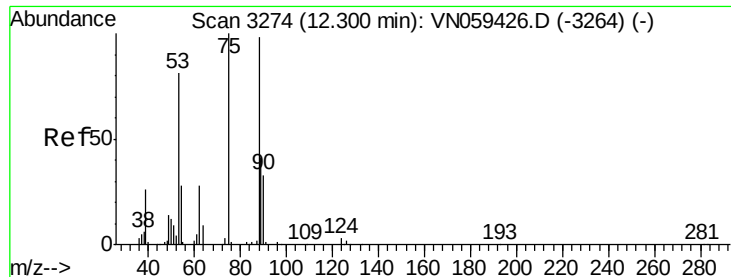
12.73

12.70

12.80

Time-->





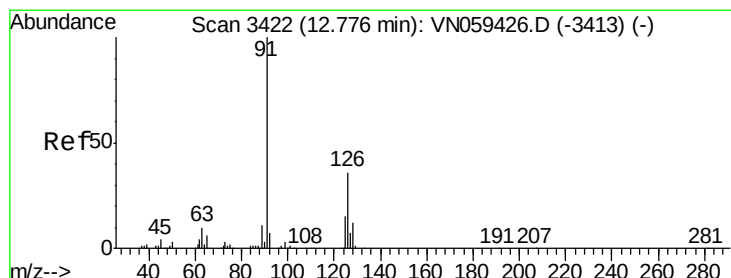
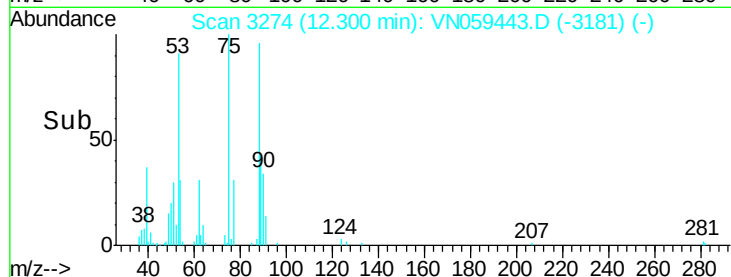
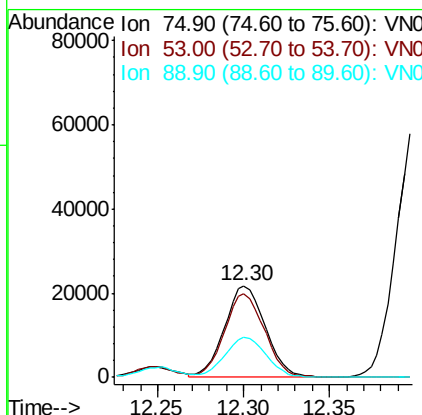
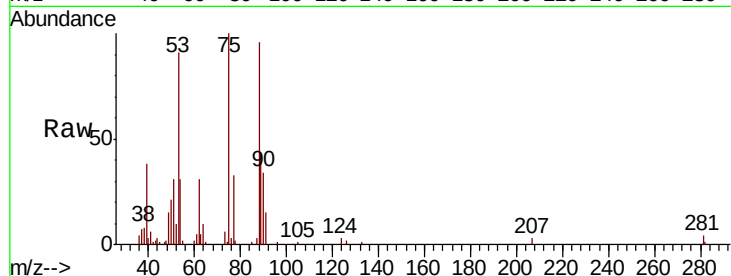
#81
trans-1,4-Dichloro-2-butene
Concen: 18.538 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	66.2	99.4
89	44.4	33.9	50.9

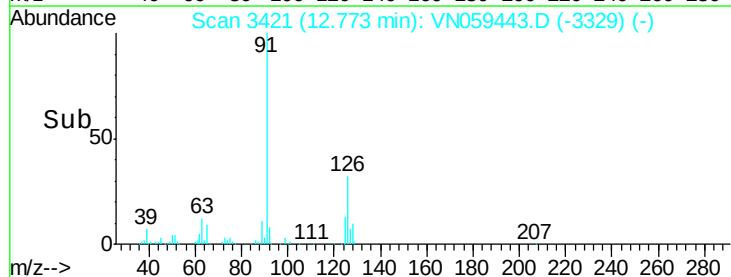
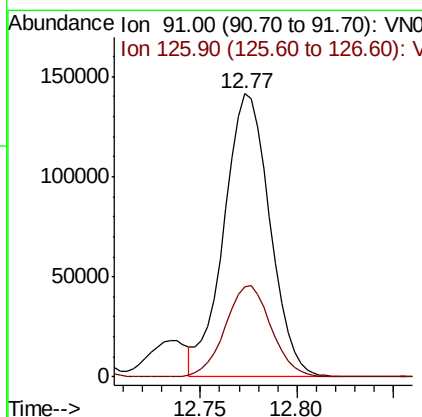
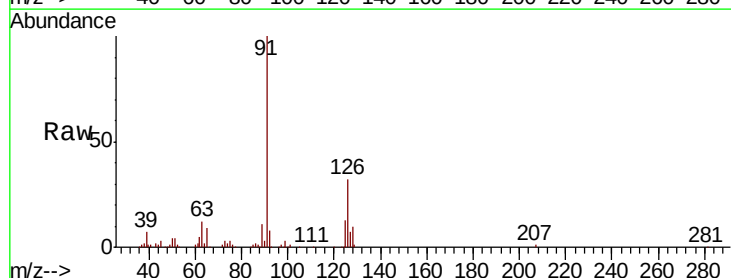
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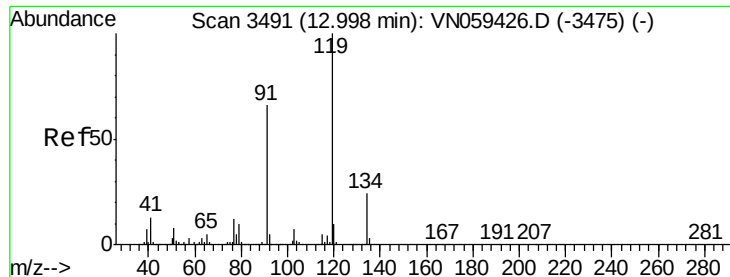
apatel
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#82
4-Chlorotoluene
Concen: 20.030 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.0





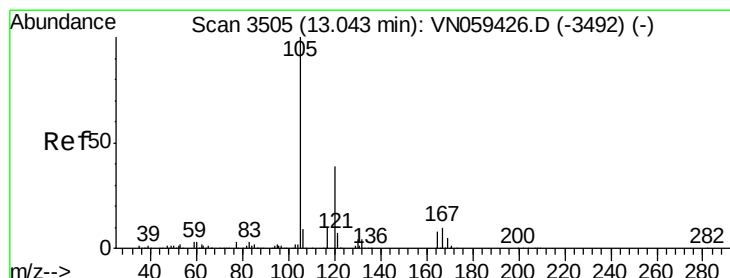
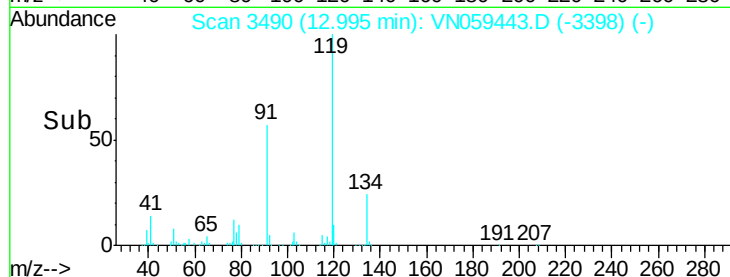
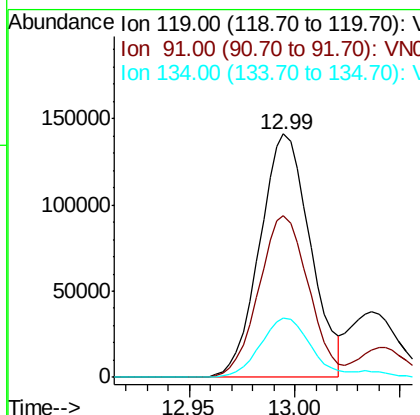
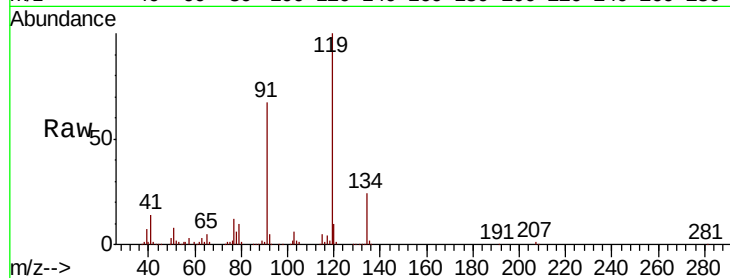
#83
 tert-Butylbenzene
 Concen: 19.994 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.8	98.4
134	24.3	12.9	38.6

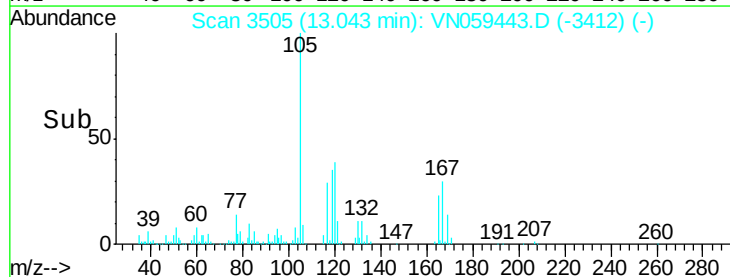
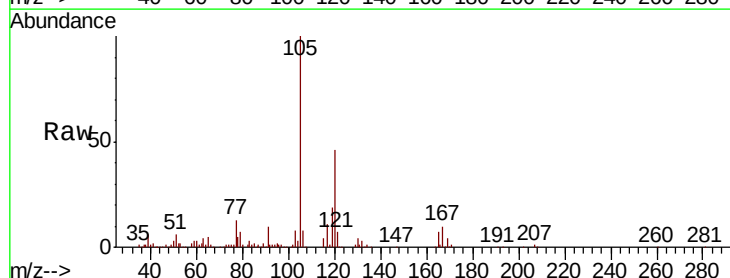
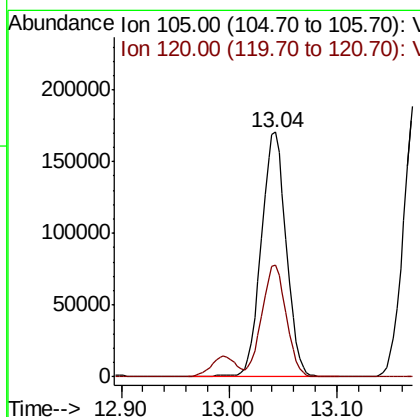
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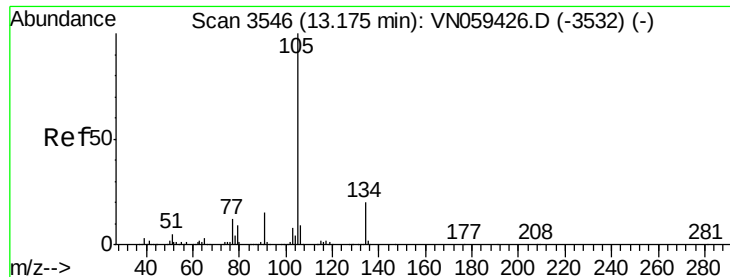
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.357 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.302 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBSD01

Tot Ion:105 Resp: 317390

Ion Ratio Lower Upper

105 100

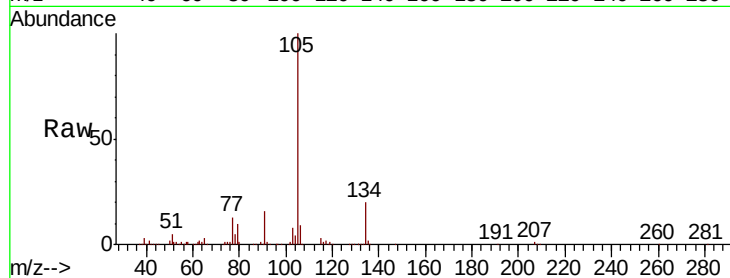
134 19.6 9.9 29.7

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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

200000

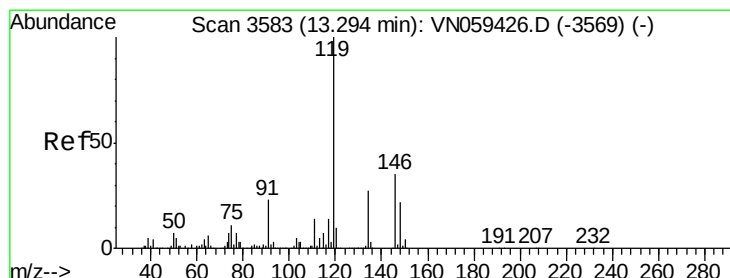
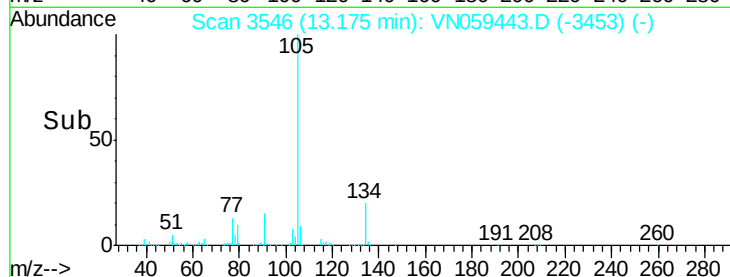
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.169 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

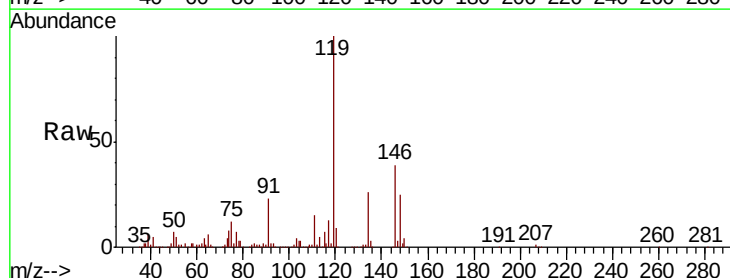
Tgt Ion:119 Resp: 285042

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 23.0 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

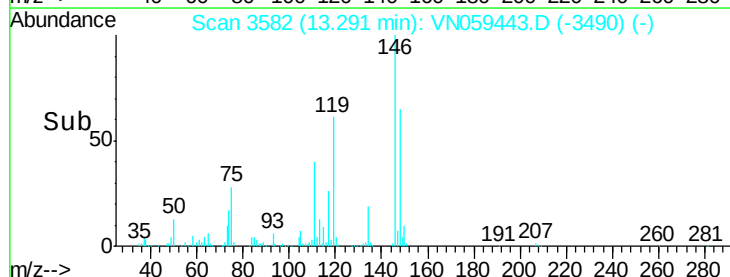
150000

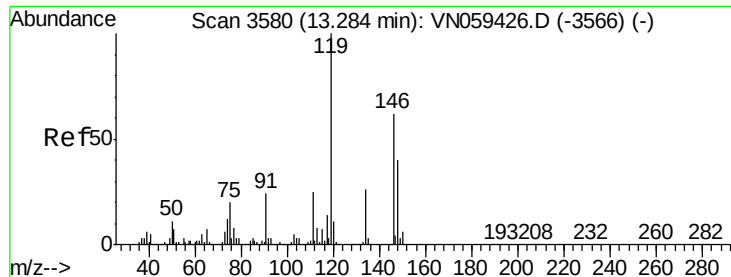
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.728 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

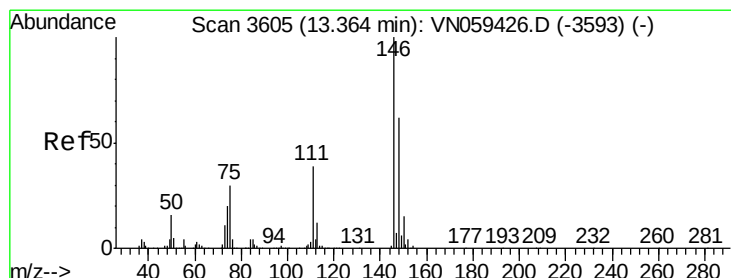
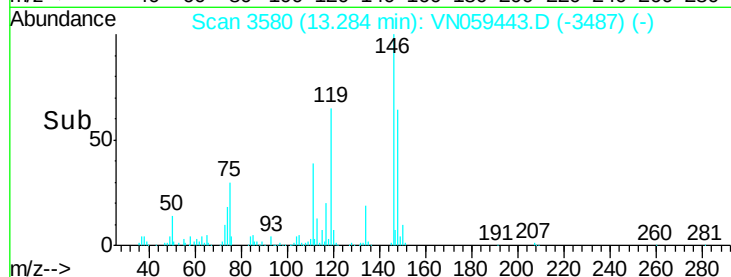
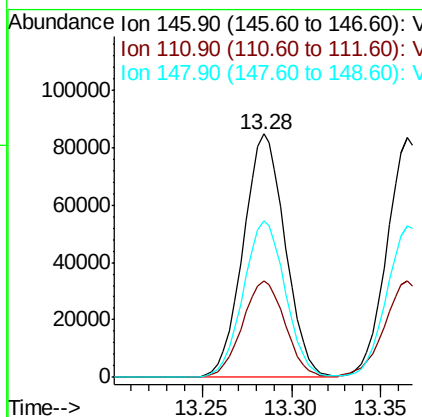
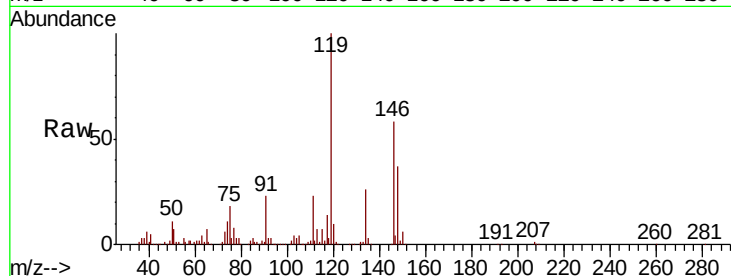
ClientSampled :

VN1129WBSD01

Tot Ion:	146	Resp:	139612
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.4	61.2
148	64.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.253 ug/l

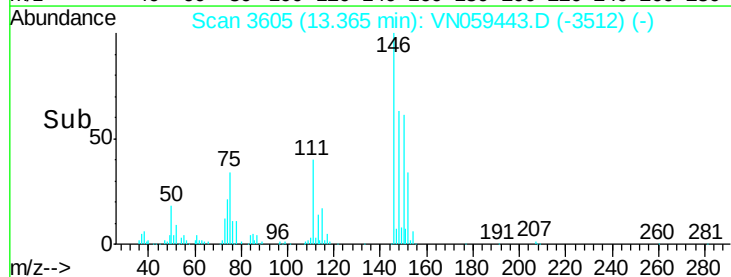
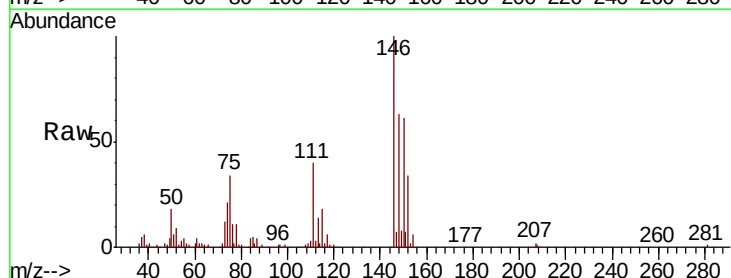
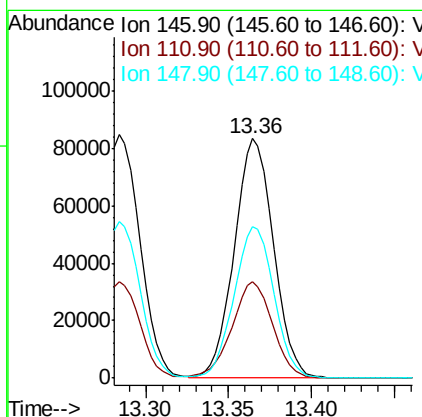
RT: 13.36 min Scan# 3605

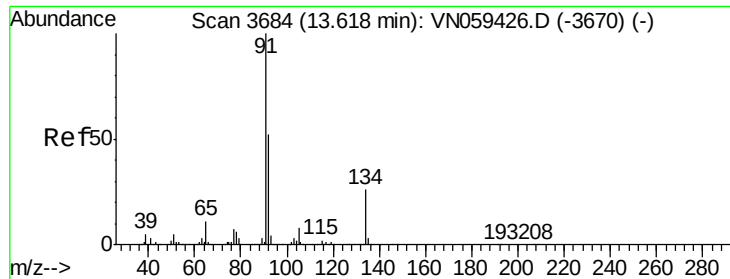
Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	146	Resp:	136782
Ion Ratio	Lower	Upper	
146	100		
111	41.9	19.9	59.7
148	64.6	31.6	95.0





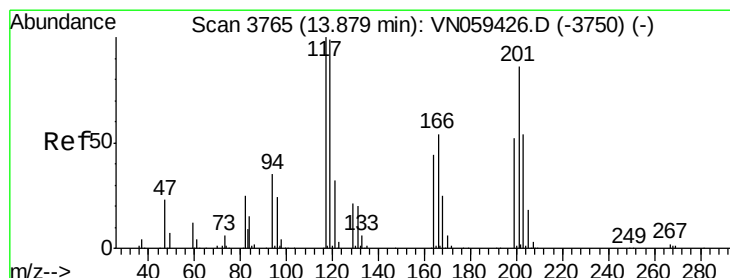
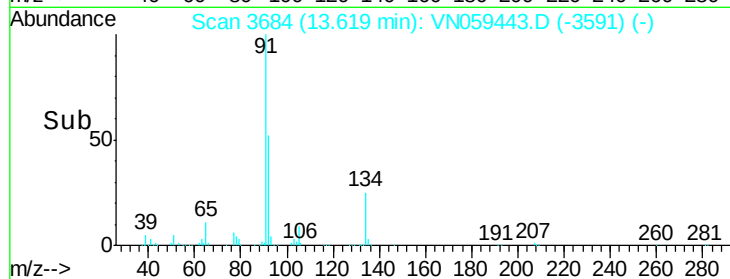
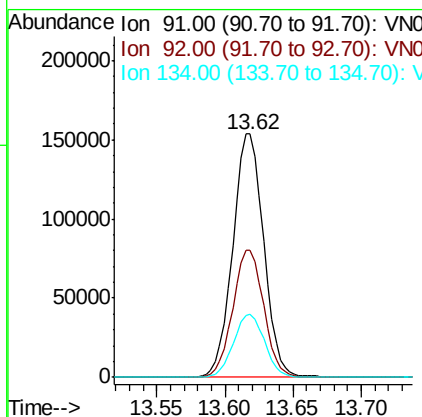
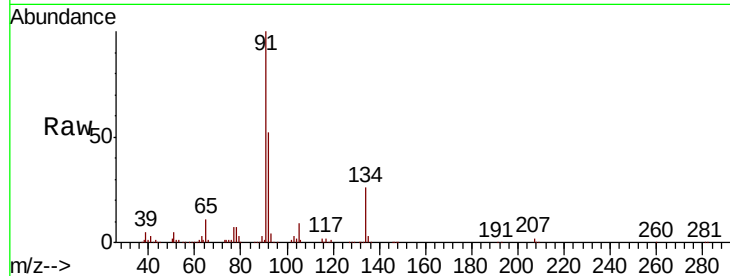
#89
n-Butylbenzene
Concen: 19.599 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	26.2	12.8	38.4

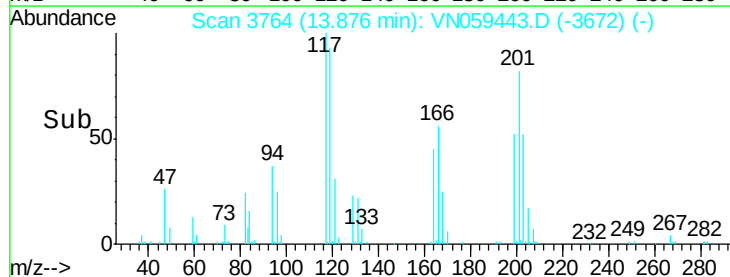
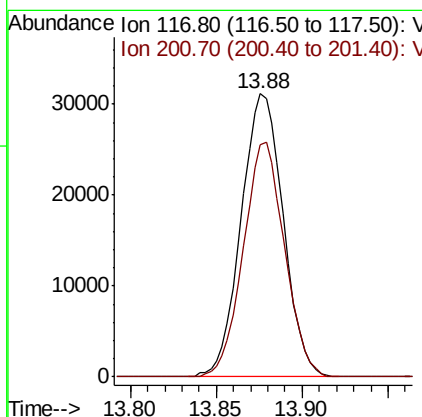
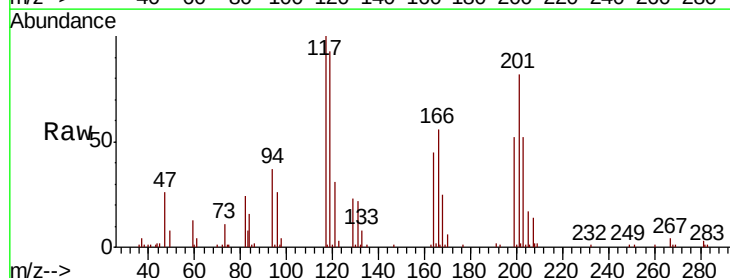
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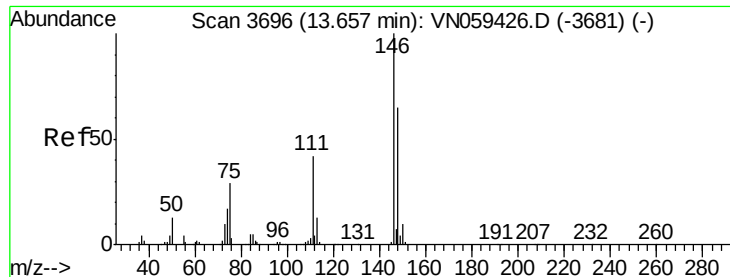
apatel
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#90
Hexachloroethane
Concen: 19.588 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	42.1	126.4





#91

1,2-Dichlorobenzene

Concen: 19.600 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

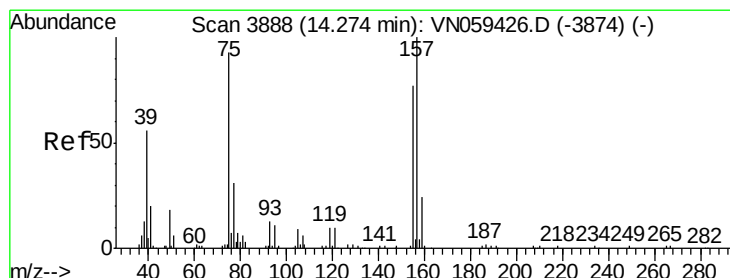
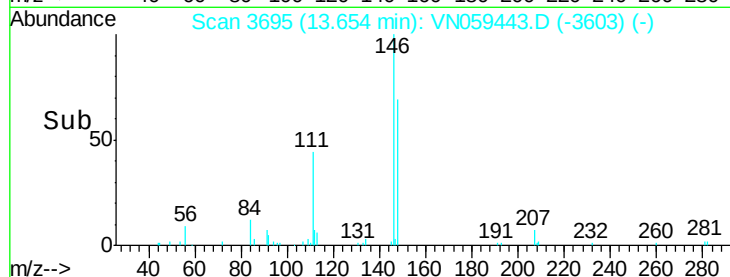
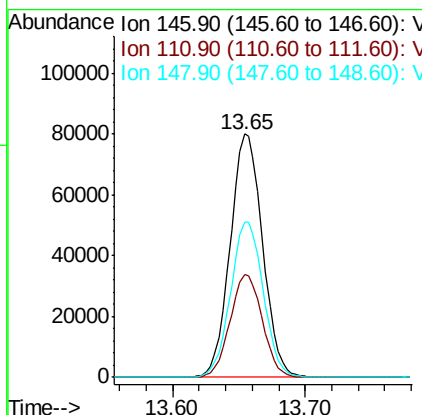
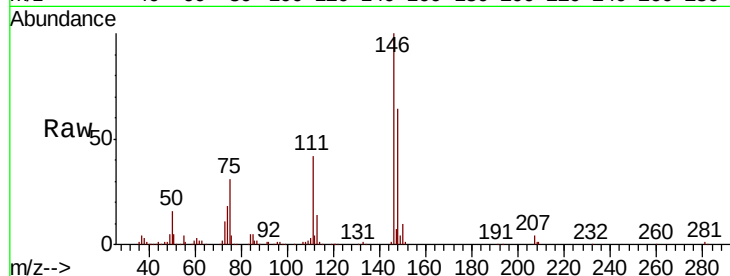
ClientSampleId :

VN1129WBSD01

Tot Ion:	146	Resp:	135906
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.3	63.7
148	64.4	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.158 ug/l

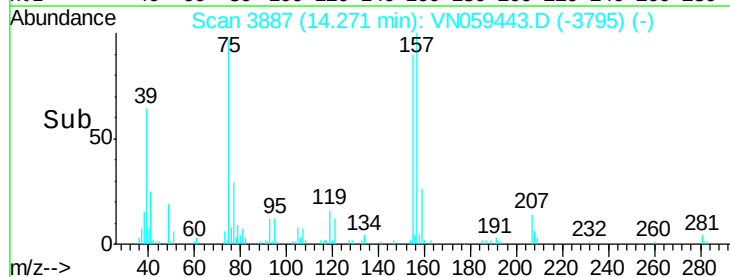
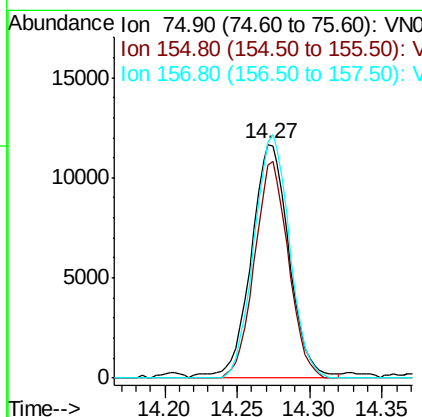
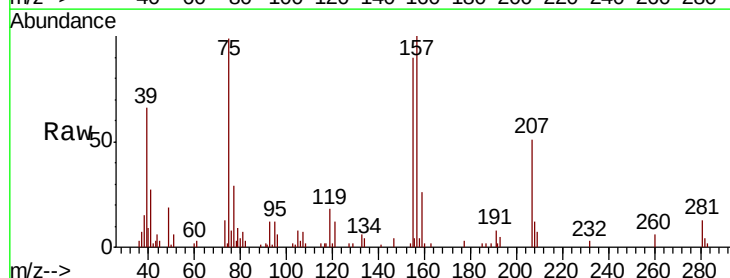
RT: 14.27 min Scan# 3887

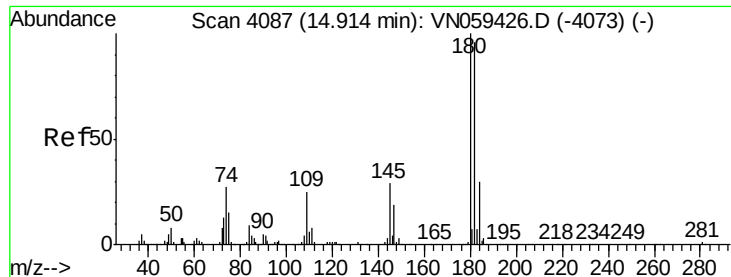
Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:	75	Resp:	21273
Ion Ratio	Lower	Upper	
75	100		
155	82.8	41.9	125.8
157	97.1	54.1	162.3





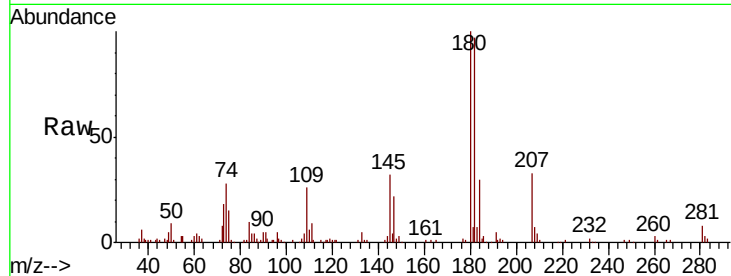
#93
 1,2,4-Trichlorobenzene
 Concen: 17.148 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBSD01

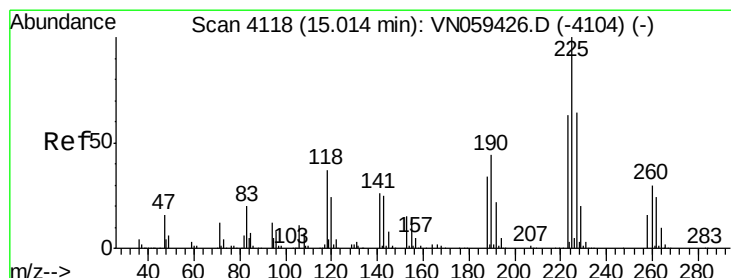
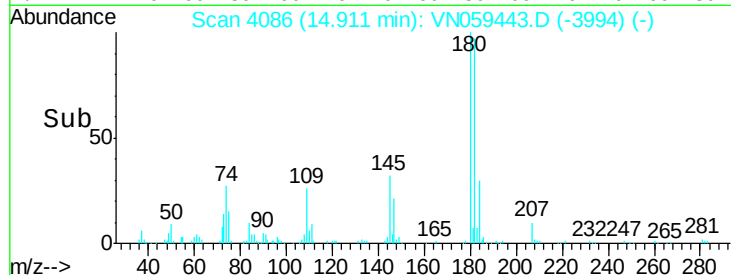
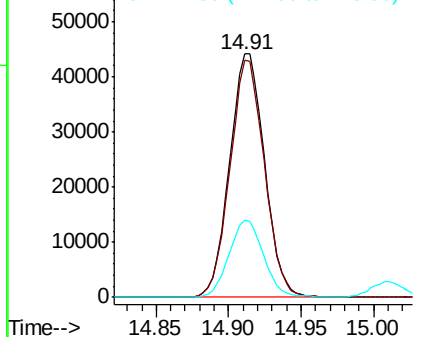
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	31.3	14.8	44.4

Manual Integrations
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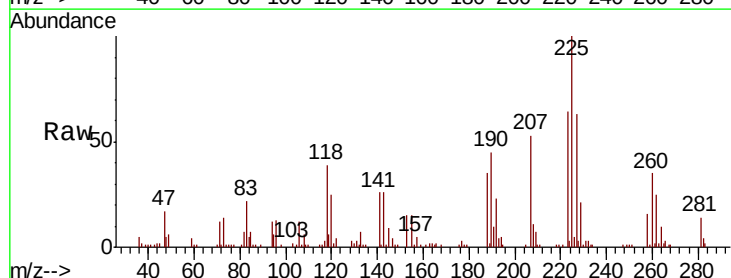


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

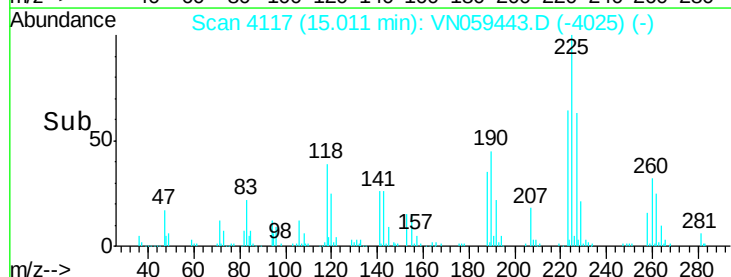
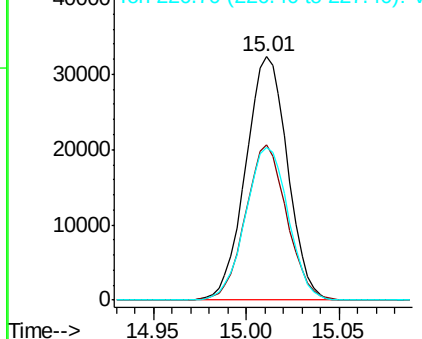


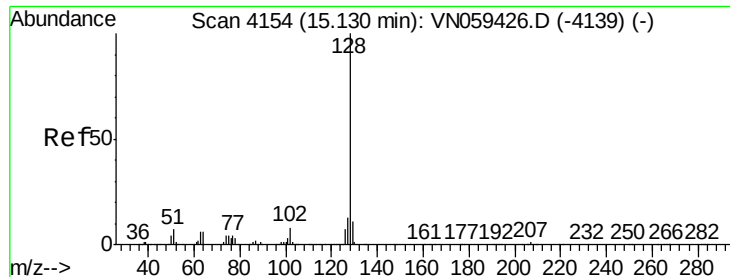
#94
 Hexachlorobutadiene
 Concen: 19.317 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	63.9	31.9	95.7



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





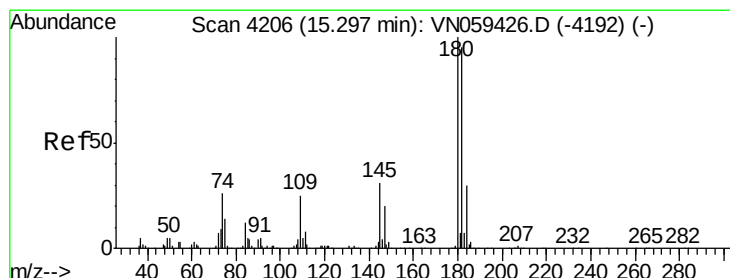
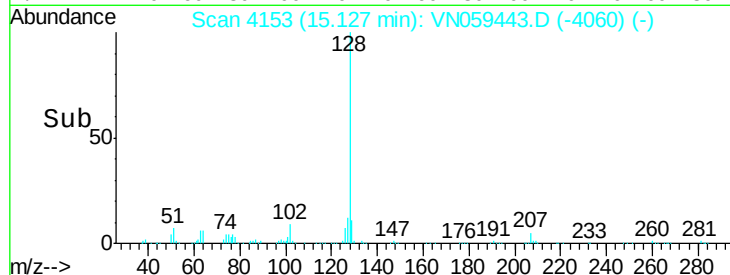
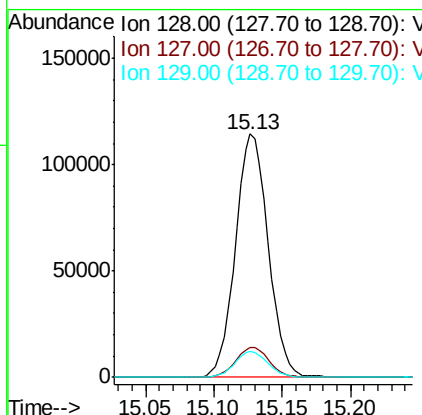
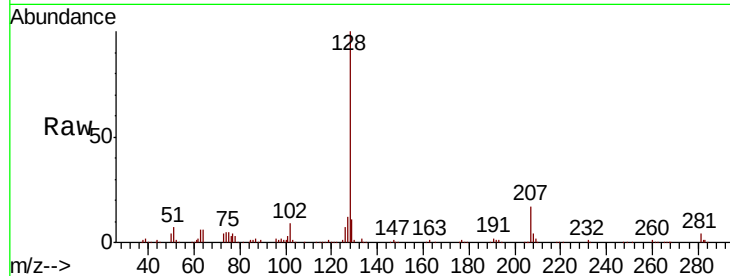
#95
Naphthalene
Concen: 21.090 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBSD01

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.297 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	32.0	15.7	47.1

