

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052953.D
 Acq On : 18 Dec 2018 11:22
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:21 PM

Quant Time: Dec 18 12:14:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 12:10:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1086469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1647140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1480409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	683379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	201991	17.48	ug/l	0.00
Spiked Amount			Recovery	=	34.96%	
35) Dibromofluoromethane	7.59	113	126383	13.75	ug/l	0.00
Spiked Amount			Recovery	=	27.50%	
50) Toluene-d8	10.09	98	740480	18.58	ug/l	0.00
Spiked Amount			Recovery	=	37.16%	
62) 4-Bromofluorobenzene	12.40	95	254726	18.86	ug/l	0.00
Spiked Amount			Recovery	=	37.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	225179	20.134	ug/l	99
3) Chloromethane	2.06	50	271690	20.240	ug/l	99
4) Vinyl Chloride	2.19	62	275273	20.498	ug/l	100
5) Bromomethane	2.58	94	179343	21.652	ug/l	98
6) Chloroethane	2.71	64	163025	20.538	ug/l	98
7) Trichlorofluoromethane	3.03	101	346242	20.796	ug/l	98
8) Diethyl Ether	3.41	74	126785	20.876	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	216541	20.985	ug/l	98
10) Methyl Iodide	3.96	142	303737	21.019	ug/l	100
11) Tert butyl alcohol	4.77	59	66448	102.942	ug/l	99
12) 1,1-Dichloroethene	3.74	96	206455	20.668	ug/l	99
13) Acrolein	3.61	56	62502	102.845	ug/l	98
14) Allyl chloride	4.33	41	322457	19.764	ug/l	98
15) Acrylonitrile	4.99	53	365208	100.851	ug/l	99
16) Acetone	3.81	43	207231	79.871	ug/l	99
17) Carbon Disulfide	4.06	76	655897	21.375	ug/l	100
18) Methyl Acetate	4.32	43	184783	19.406	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	565234	20.844	ug/l	99
20) Methylene Chloride	4.55	84	235755	20.191	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	223911	20.690	ug/l	96
22) Diisopropyl ether	5.95	45	702132	20.172	ug/l	99
23) Vinyl Acetate	5.90	43	2001251	96.626	ug/l	99
24) 1,1-Dichloroethane	5.85	63	414453	20.648	ug/l	100
25) 2-Butanone	6.83	43	365261	90.729	ug/l	98
26) 2,2-Dichloropropane	6.82	77	319659	21.626	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	252824	20.584	ug/l	99
28) Bromochloromethane	7.19	49	167027	18.531	ug/l	96
29) Tetrahydrofuran	7.21	42	269494	98.056	ug/l	98
30) Chloroform	7.37	83	406391	20.762	ug/l	99
31) Cyclohexane	7.65	56	400960	17.917	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	343149	20.954	ug/l	100
36) 1,1-Dichloropropene	7.79	75	315187	20.780	ug/l	100
37) Ethyl Acetate	6.93	43	181060	19.871	ug/l	98
38) Carbon Tetrachloride	7.77	117	296659	21.249	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384479	20.656	ug/l	98
40) Benzene	8.04	78	958855	21.062	ug/l	98
41) Methacrylonitrile	7.17	41	103080	20.417	ug/l	96
42) 1,2-Dichloroethane	8.12	62	280627	20.476	ug/l	98
43) Isopropyl Acetate	8.16	43	356786	19.098	ug/l	99
44) Trichloroethene	8.84	130	275989	22.444	ug/l	95
45) 1,2-Dichloropropane	9.12	63	250408	21.000	ug/l	99
46) Dibromomethane	9.21	93	145306	21.012	ug/l	99
47) Bromodichloromethane	9.40	83	310135	21.627	ug/l	99
48) Methyl methacrylate	9.20	41	170696	20.835	ug/l	98
49) 1,4-Dioxane	9.19	88	42115	452.868	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	884682	103.272	ug/l	99
52) Toluene	10.16	92	596105	21.620	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320546	22.213	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	374802	21.797	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	205651	20.894	ug/l	98
56) Ethyl methacrylate	10.43	69	271382	21.485	ug/l	97
57) 1,3-Dichloropropane	10.71	76	355588	21.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	745134	105.722	ug/l	98
59) 2-Hexanone	10.75	43	589736	100.453	ug/l	100
60) Dibromochloromethane	10.90	129	238569	22.427	ug/l	99
61) 1,2-Dibromoethane	11.00	107	208361	21.416	ug/l	99
64) Tetrachloroethene	10.63	164	331709	26.070	ug/l	98
65) Chlorobenzene	11.43	112	658517	21.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230484	21.578	ug/l	98
67) Ethyl Benzene	11.51	91	1133401	21.489	ug/l	100
68) m/p-Xylenes	11.62	106	867254	43.790	ug/l	98
69) o-Xylene	11.95	106	412832	21.347	ug/l	98
70) Styrene	11.96	104	681108	21.909	ug/l	99
71) Bromoform	12.13	173	163283	22.501	ug/l #	99
73) Isopropylbenzene	12.25	105	1114456	21.842	ug/l	99
74) N-amyl acetate	12.07	43	307041	21.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	211886	18.529	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	241781m	23.980	ug/l	
77) Bromobenzene	12.53	156	282331	21.755	ug/l	98
78) n-propylbenzene	12.59	91	1251843	21.512	ug/l	100
79) 2-Chlorotoluene	12.67	91	741790	21.562	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	889454	21.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	73676	23.475	ug/l	93
82) 4-Chlorotoluene	12.77	91	745741	21.202	ug/l	99
83) tert-Butylbenzene	12.99	119	788851	21.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	891410	21.378	ug/l	100
85) sec-Butylbenzene	13.17	105	1045582	21.249	ug/l	99
86) p-Isopropyltoluene	13.29	119	905379	21.238	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	486705	21.104	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	483629	21.176	ug/l	99
89) n-Butylbenzene	13.62	91	738900	20.589	ug/l	100
90) Hexachloroethane	13.88	117	134172	18.796	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	456986	20.599	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33791	19.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	232208	19.256	ug/l	99
94) Hexachlorobutadiene	15.01	225	140771	20.168	ug/l	99
95) Naphthalene	15.13	128	490264	19.629	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	209336	18.919	ug/l	98

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

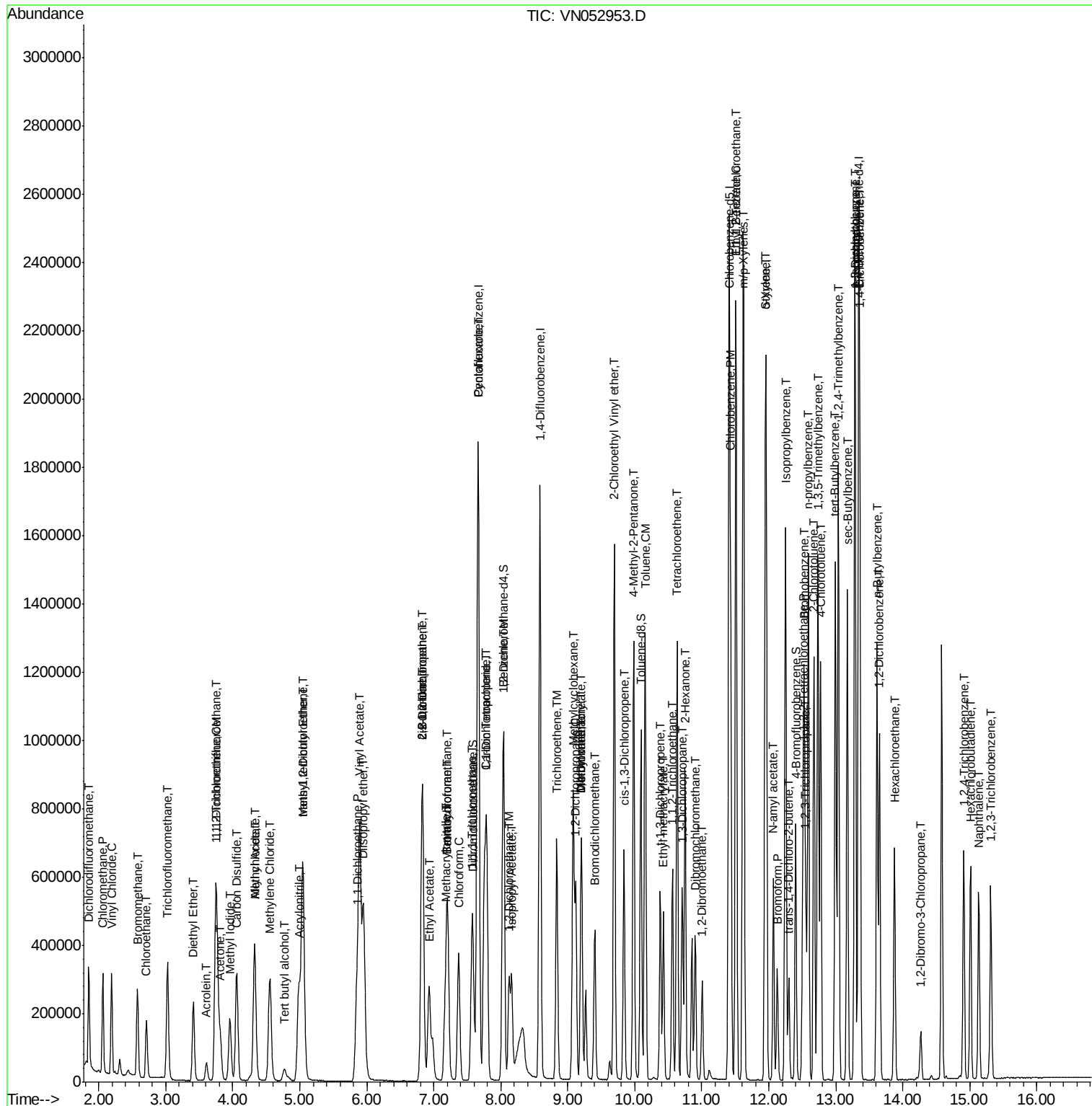
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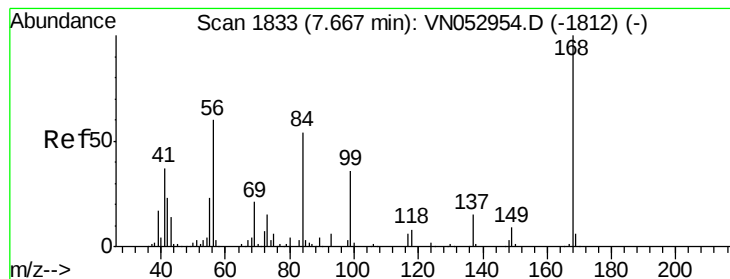
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052953.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 1086469

Ion Ratio Lower Upper

168 100

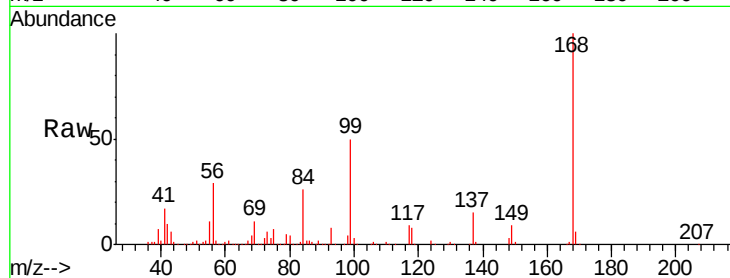
99 50.0 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

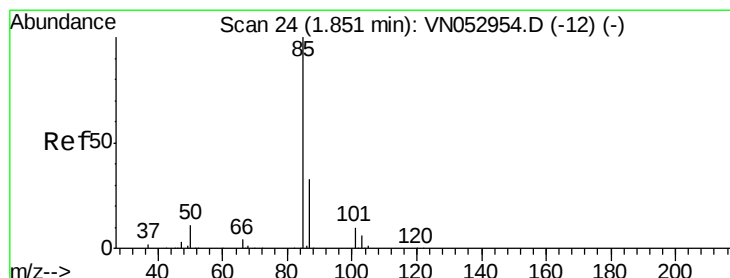
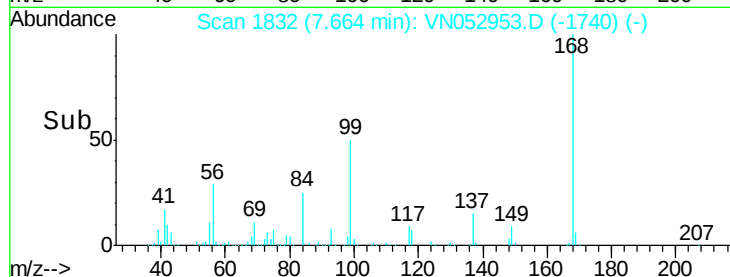
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.134 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052953.D

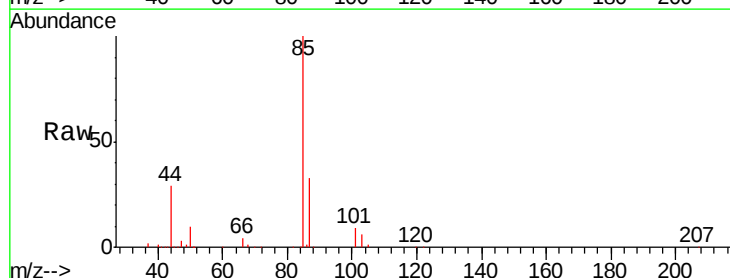
Acq: 18 Dec 2018 11:22

Tgt Ion: 85 Resp: 225179

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

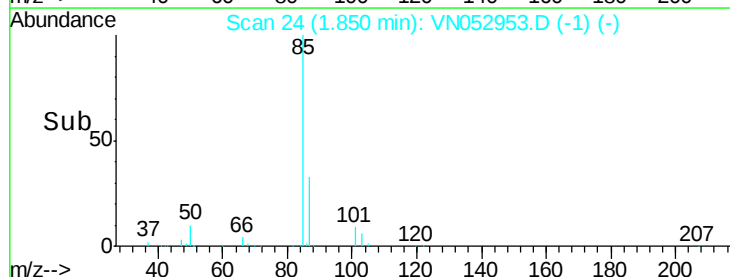
150000

100000

50000

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Time-->





#3

Chloromethane

Concen: 20.240 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 271690

Ion Ratio Lower Upper

50 100

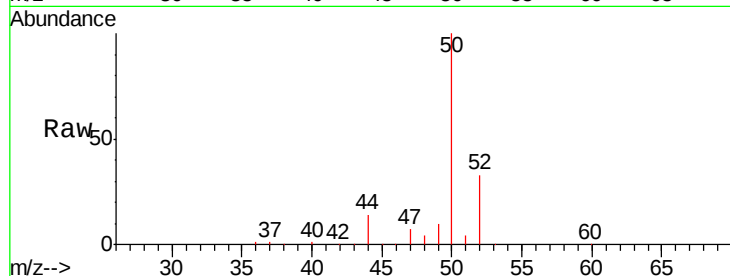
52 33.4 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN052953.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052953.D (-1) (-)

2.06

200000

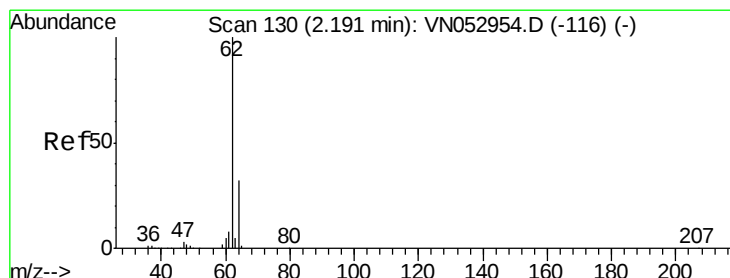
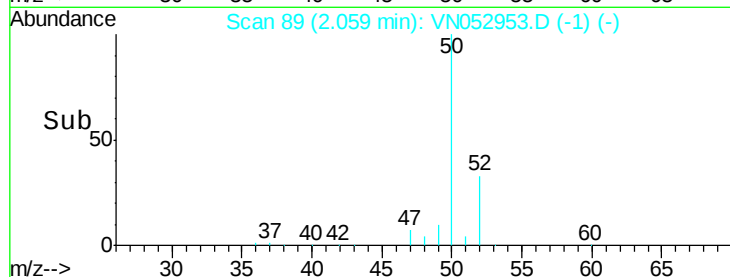
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.498 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052953.D

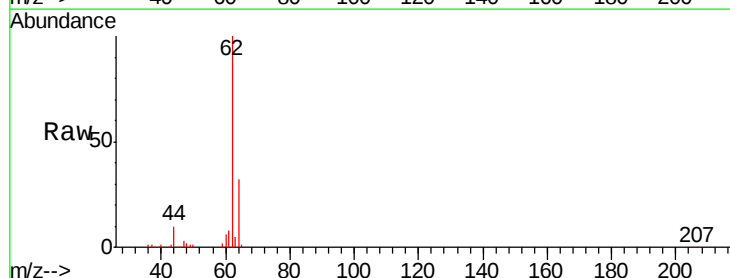
Acq: 18 Dec 2018 11:22

Tgt Ion: 62 Resp: 275273

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN052953.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN052953.D (-37) (-)

2.19

200000

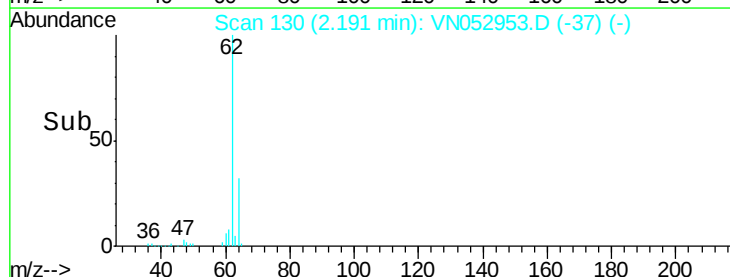
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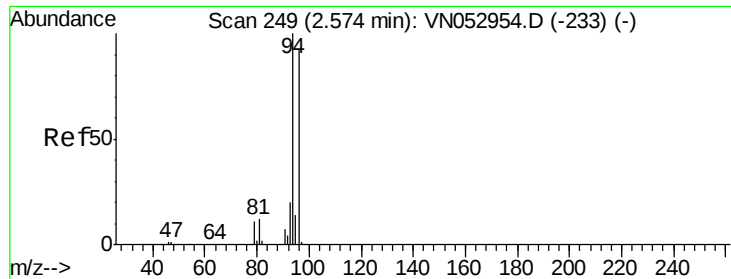
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50000

0

Time-->





#5

Bromomethane

Concen: 21.652 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

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ClientSampleId :

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Tgt Ion: 94 Resp: 179343

Ion Ratio Lower Upper

94 100

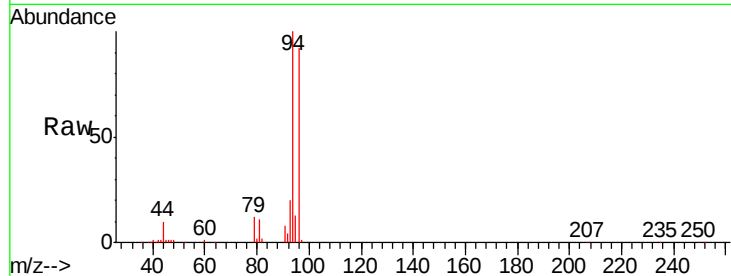
96 91.6 75.0 112.4

Manual Integrations

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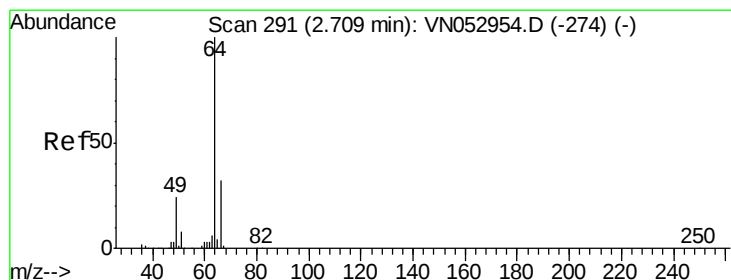
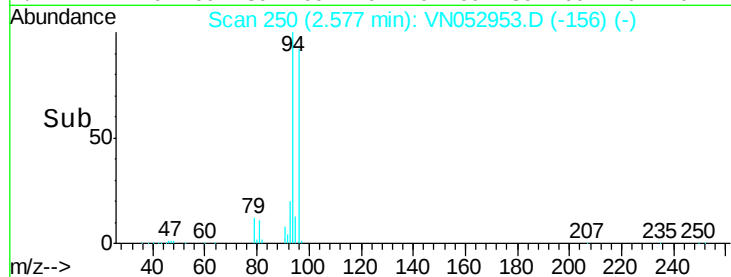
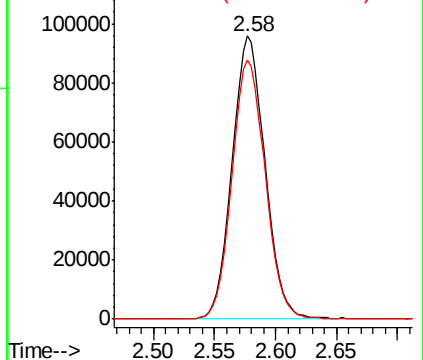
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.538 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052953.D

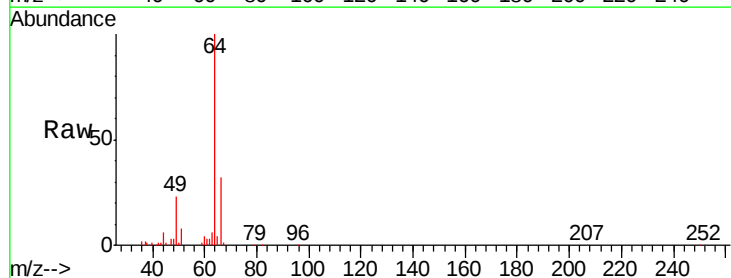
Acq: 18 Dec 2018 11:22

Tgt Ion: 64 Resp: 163025

Ion Ratio Lower Upper

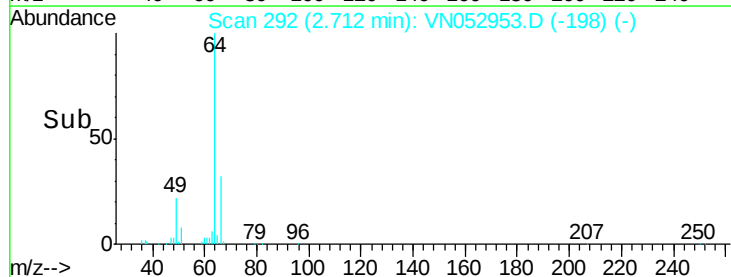
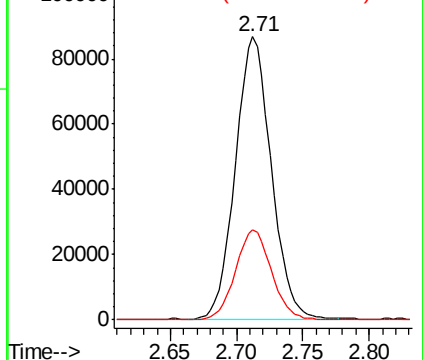
64 100

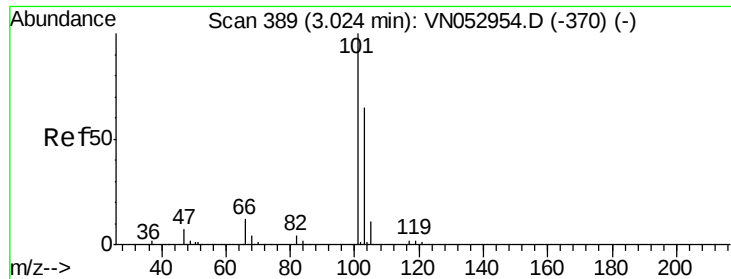
66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

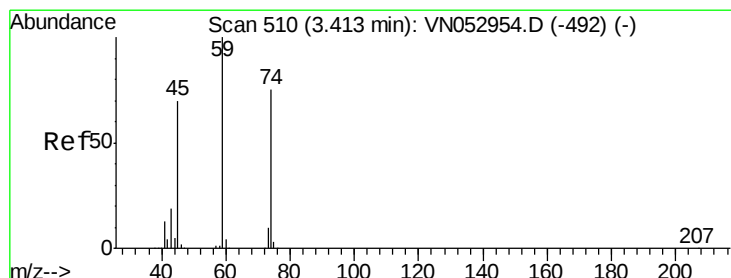
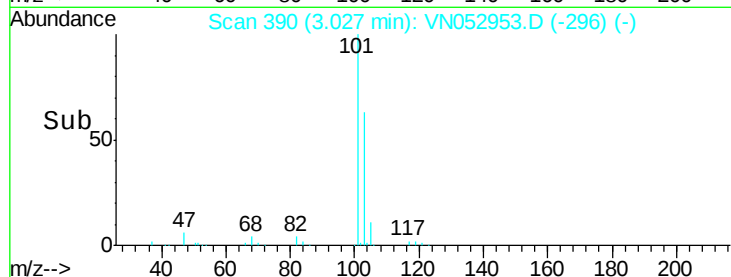
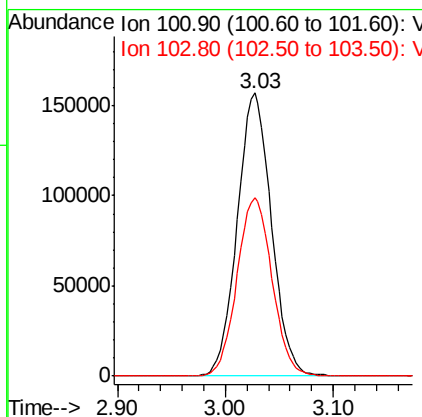
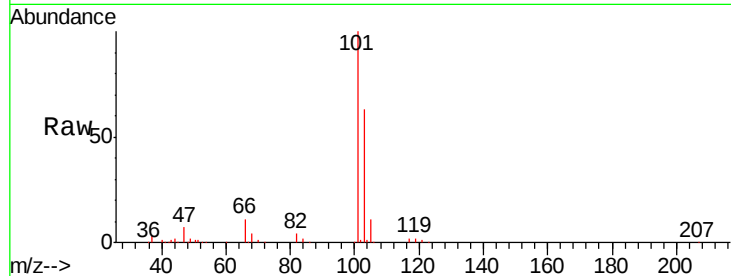
Trichlorofluoromethane
Concen: 20.796 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.6

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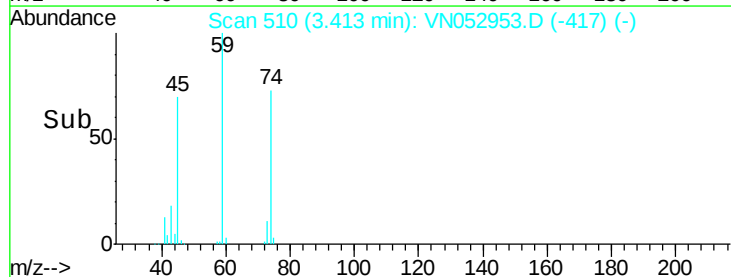
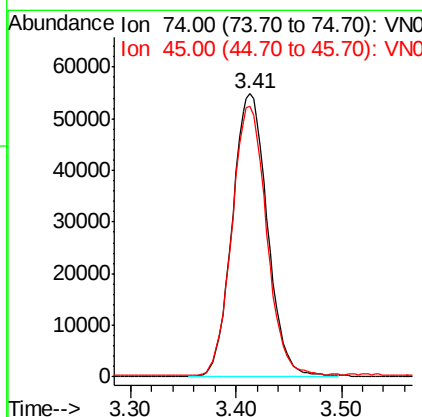
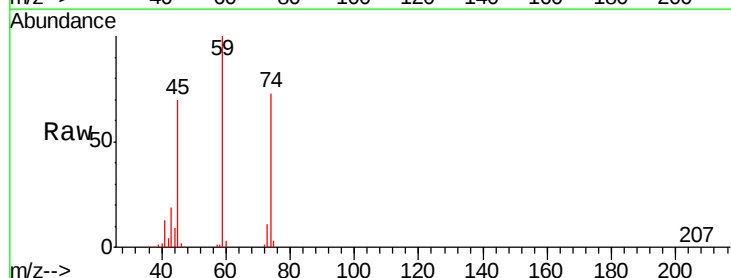
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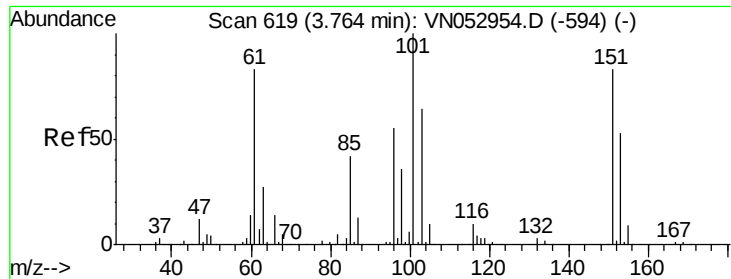


#8

Diethyl Ether
Concen: 20.876 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.985 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

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MSVOA_N

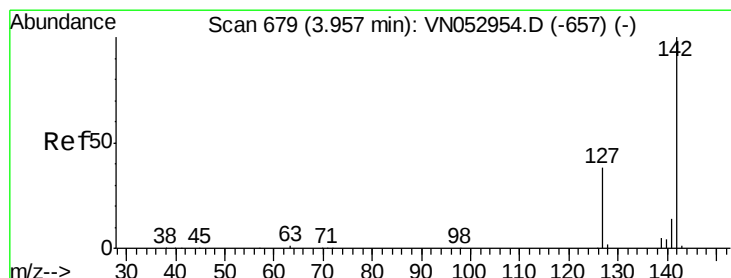
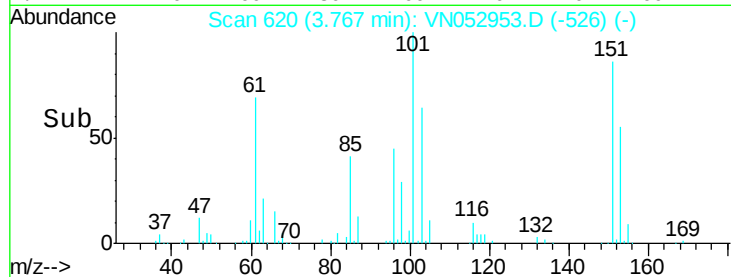
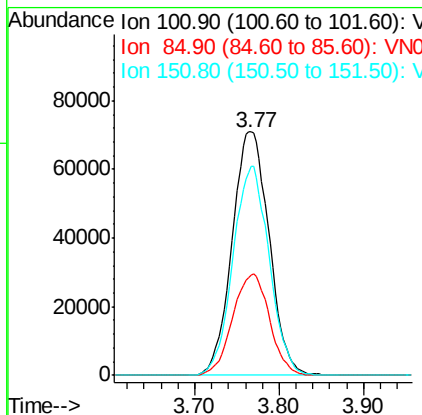
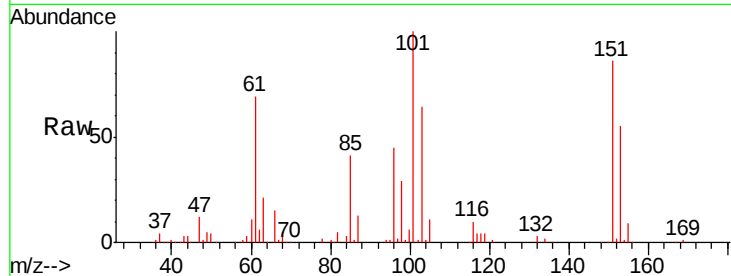
ClientSampleId :

VSTDIC020

Tgt	Ion	101	Resp:	216541
Ion	Ratio	Lower	Upper	
101	100			
85	41.4	33.6	50.4	
151	84.2	65.5	98.3	

Manual Integrations
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#10

Methyl Iodide

Concen: 21.019 ug/l

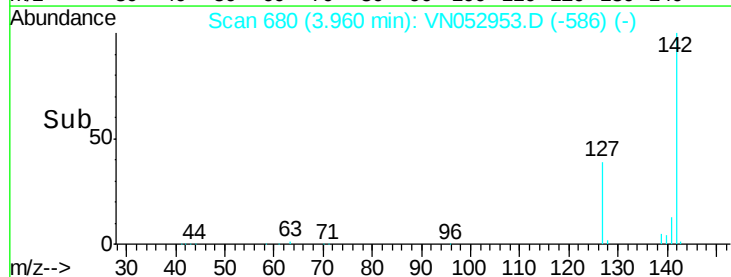
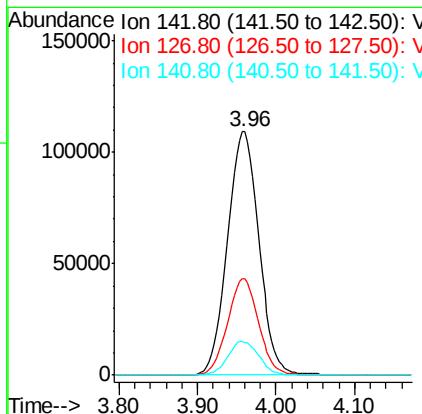
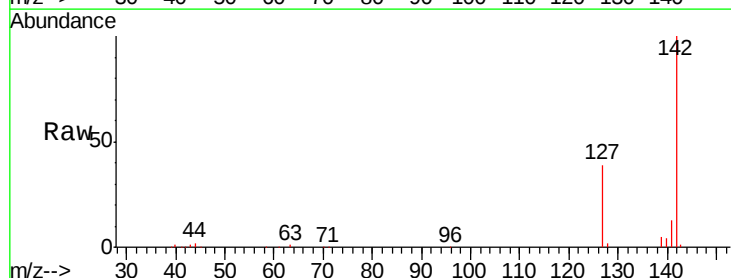
RT: 3.96 min Scan# 680

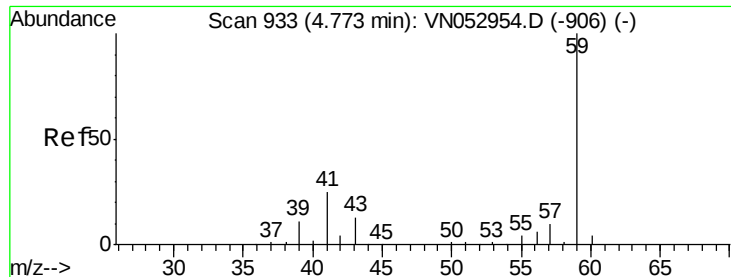
Delta R.T. 0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt	Ion	142	Resp:	303737
Ion	Ratio	Lower	Upper	
142	100			
127	38.9	31.0	46.6	
141	13.7	11.2	16.8	





#11

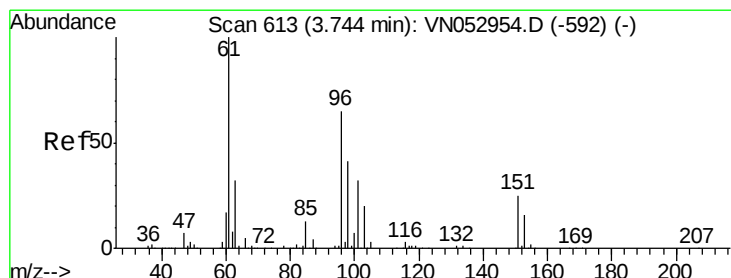
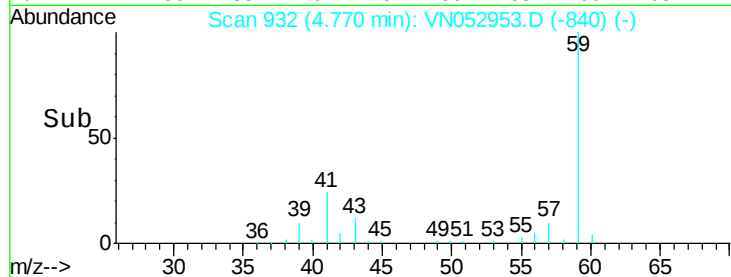
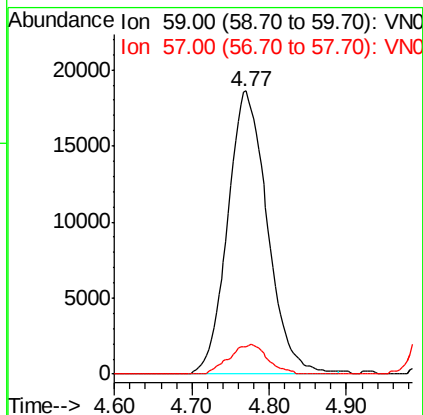
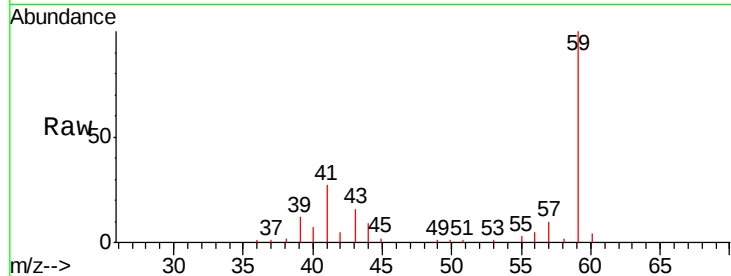
Tert butyl alcohol
Concen: 102.942 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

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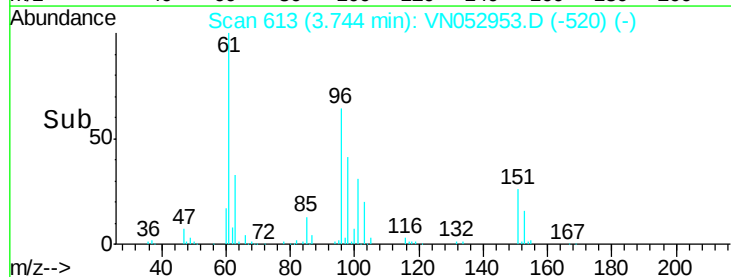
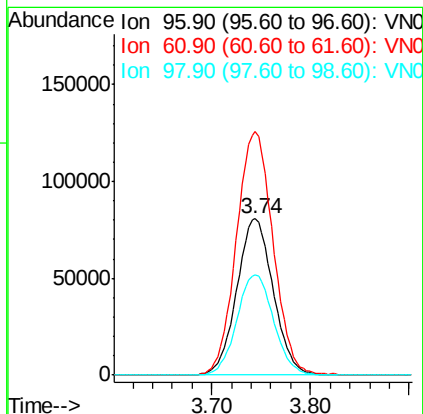
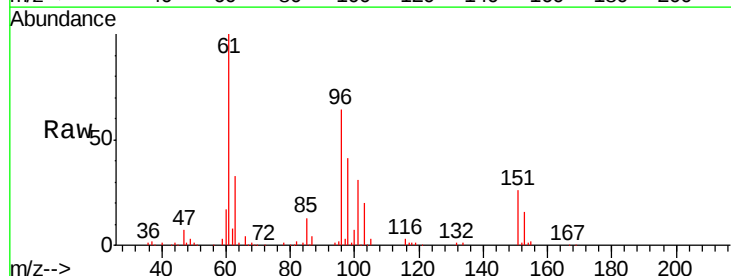
MMDadoda
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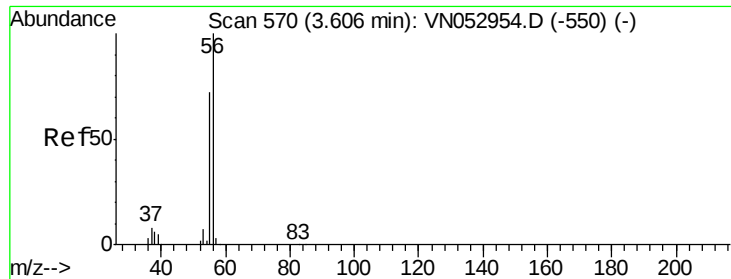


#12

1,1-Dichloroethene
Concen: 20.668 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	125.6	188.4
98	64.0	50.6	75.8





#13

Acrolein

Concen: 102.845 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 62502

Ion Ratio Lower Upper

56 100

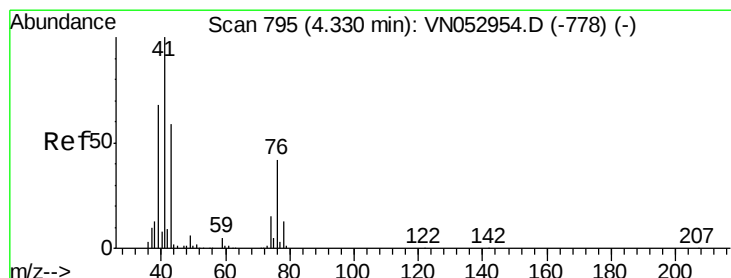
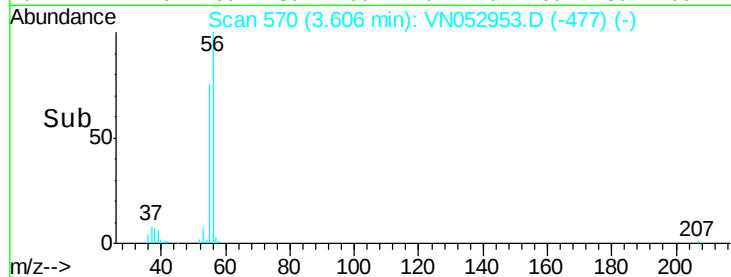
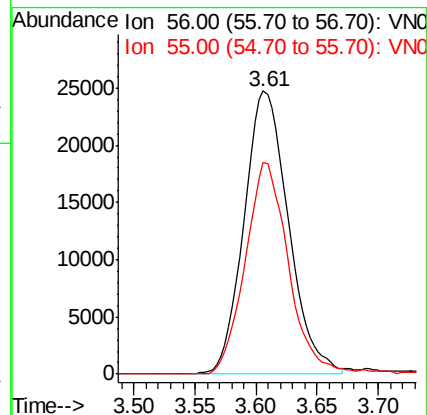
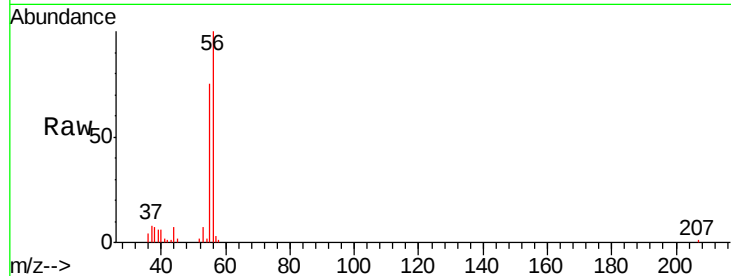
55 72.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.764 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

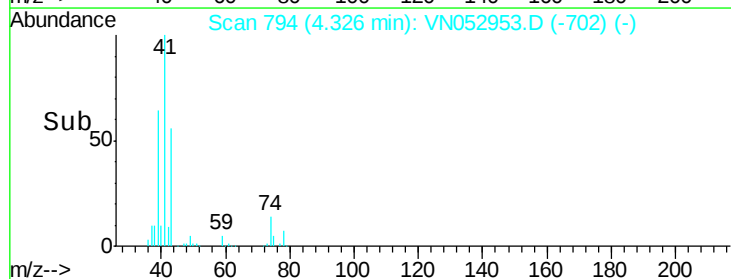
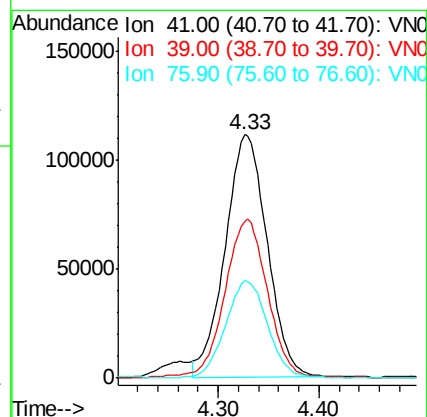
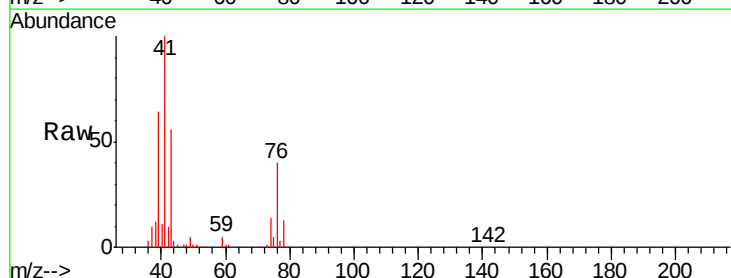
Tgt Ion: 41 Resp: 322457

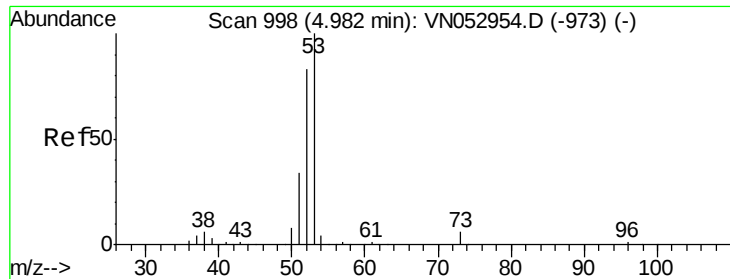
Ion Ratio Lower Upper

41 100

39 66.8 54.1 81.1

76 39.7 30.3 45.5





#15

Acrylonitrile

Concen: 100.851 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

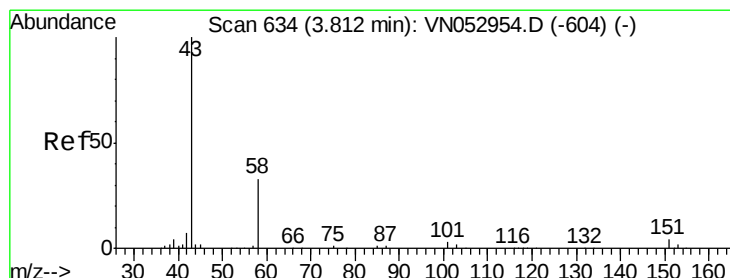
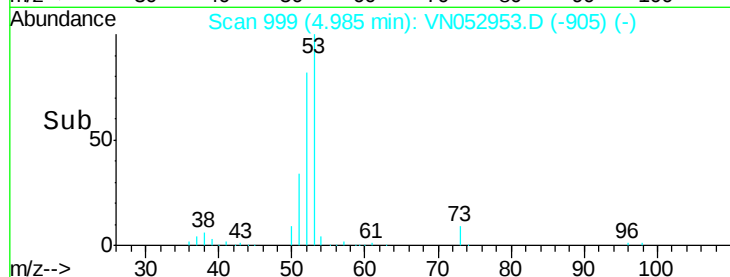
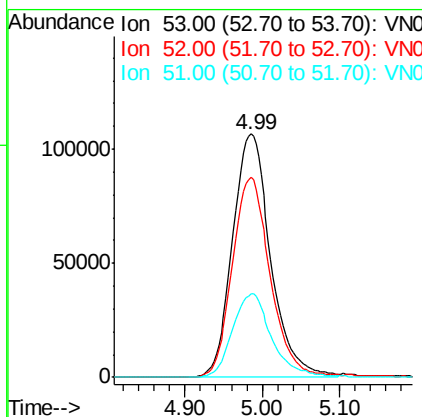
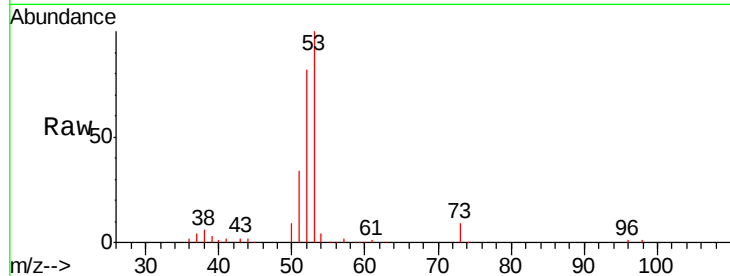
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	365208
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 79.871 ug/l

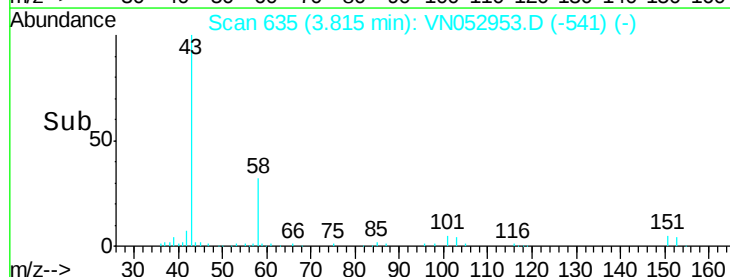
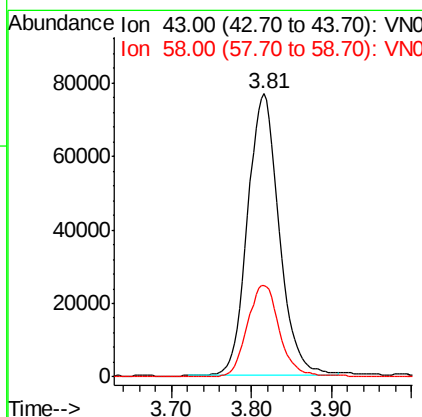
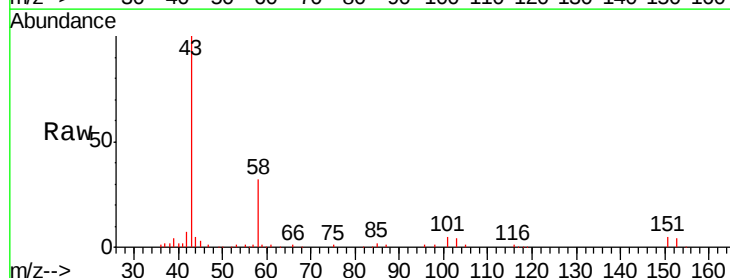
RT: 3.81 min Scan# 635

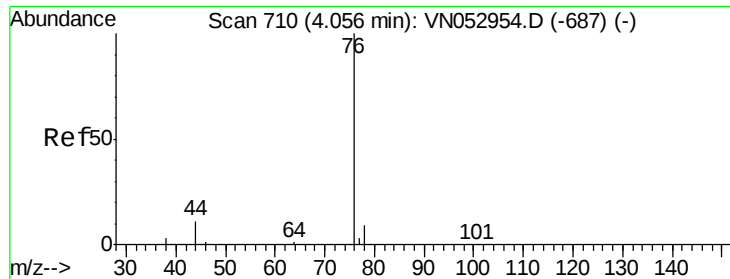
Delta R.T. 0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion:	43	Resp:	207231
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.4	38.0





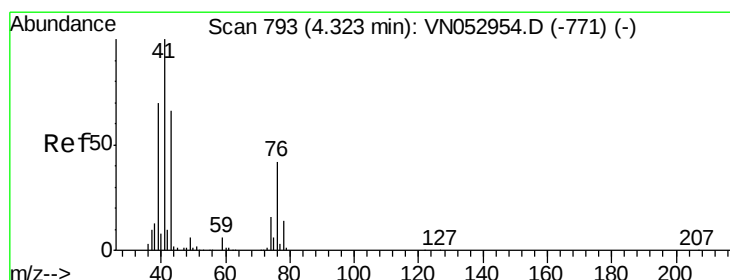
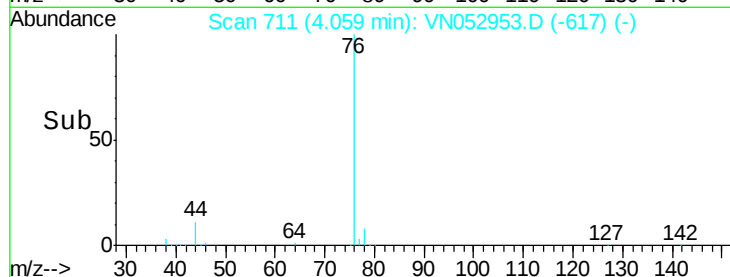
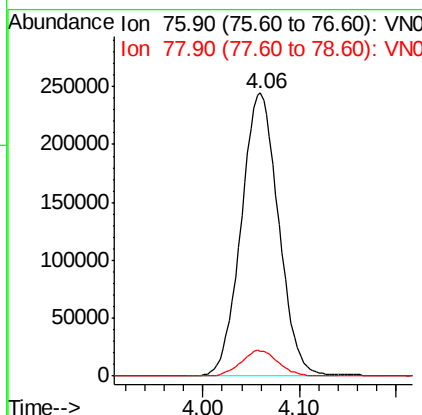
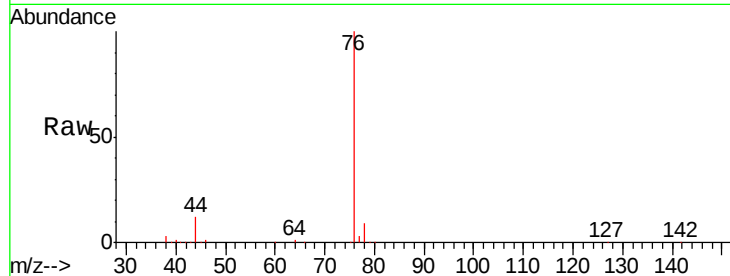
#17
Carbon Disulfide
Concen: 21.375 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

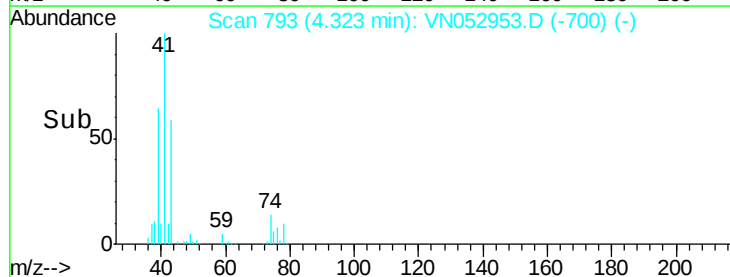
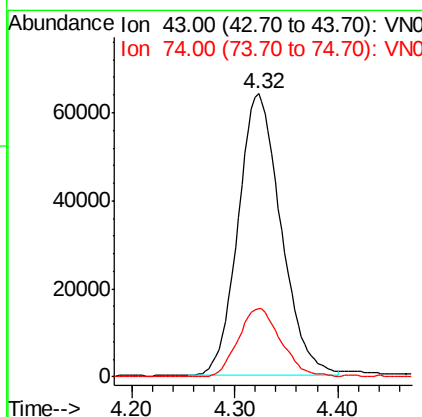
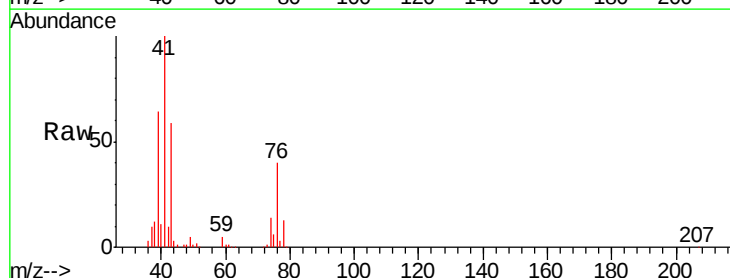
Manual Integrations
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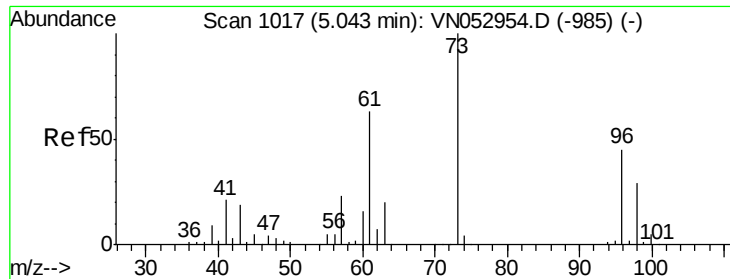
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#18
Methyl Acetate
Concen: 19.406 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





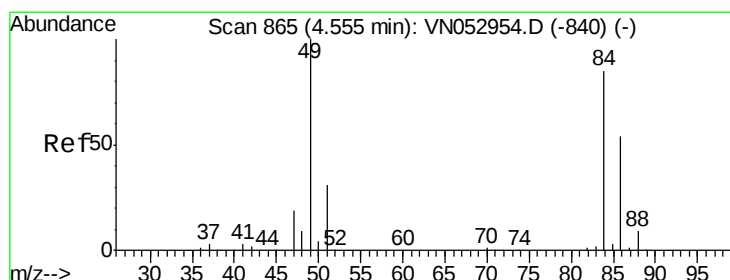
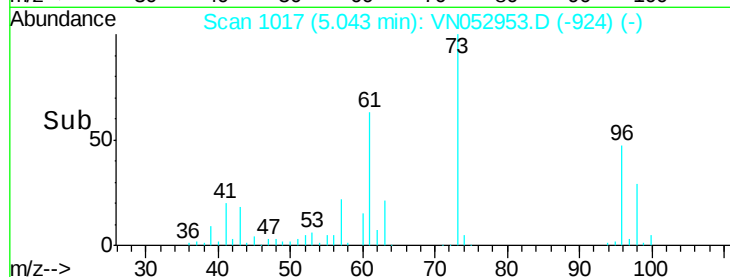
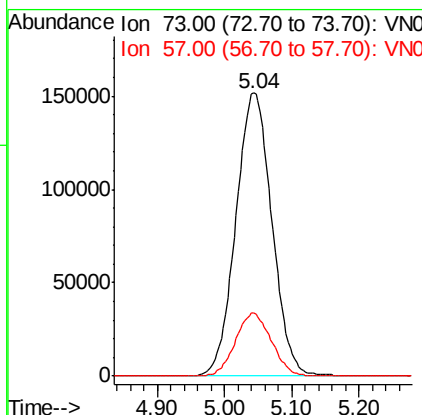
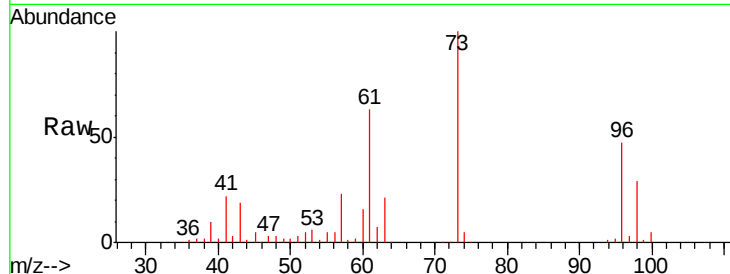
#19
Methyl tert-butyl Ether
Concen: 20.844 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 565234
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

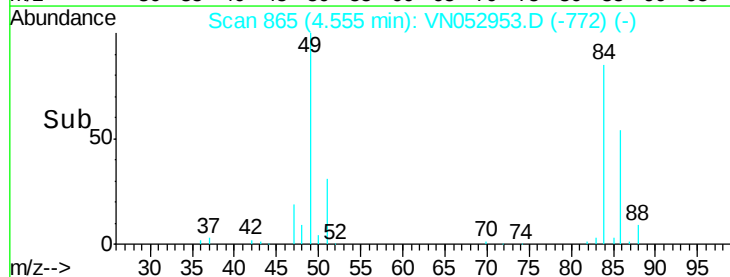
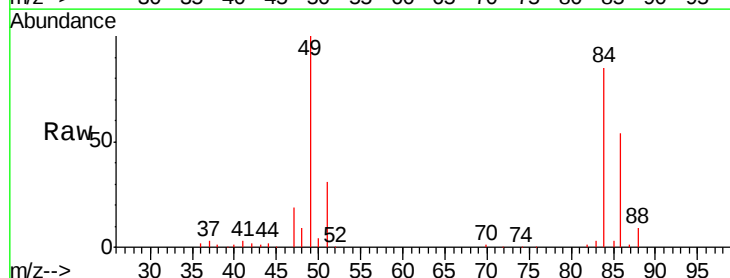
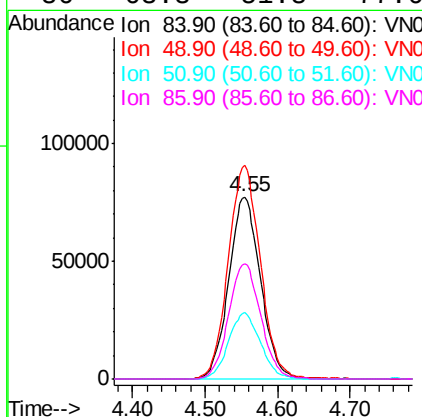
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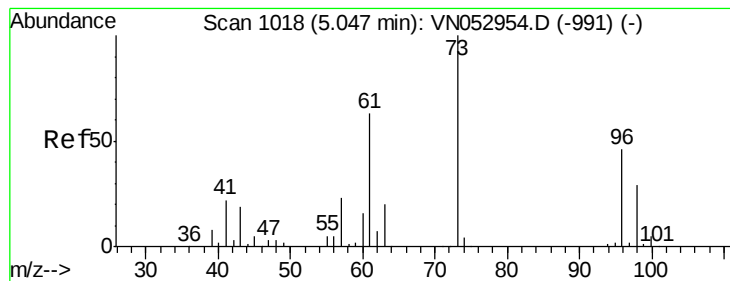
MMDadoda
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#20
Methylene Chloride
Concen: 20.191 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion: 84 Resp: 235755
Ion Ratio Lower Upper
84 100
49 117.3 96.8 145.2
51 36.2 29.9 44.9
86 63.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.690 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 223911

Ion Ratio Lower Upper

96 100

61 132.9 110.8 166.2

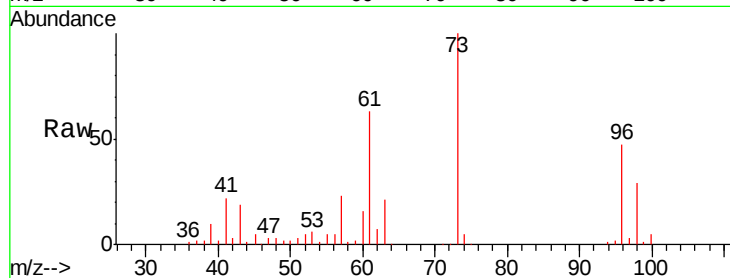
98 61.5 51.4 77.2

Manual Integrations

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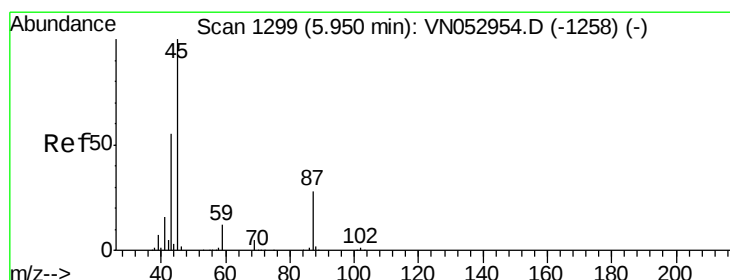
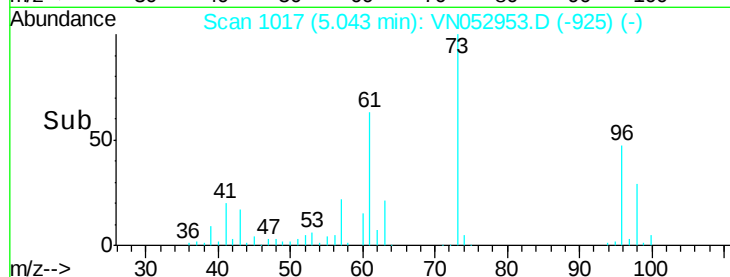
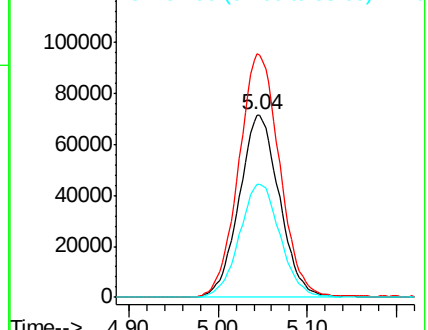


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.172 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion: 45 Resp: 702132

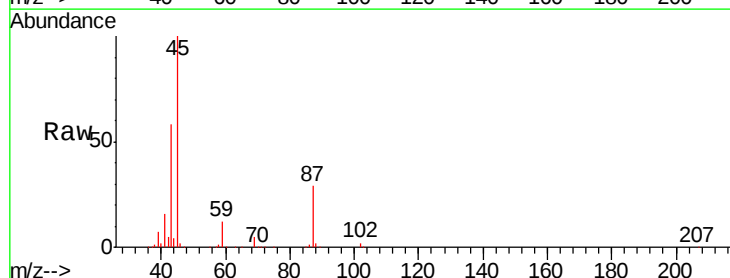
Ion Ratio Lower Upper

45 100

43 57.4 45.5 68.3

87 28.6 22.0 33.0

59 12.1 9.4 14.0



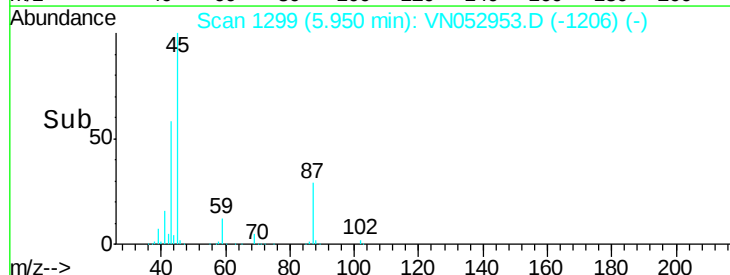
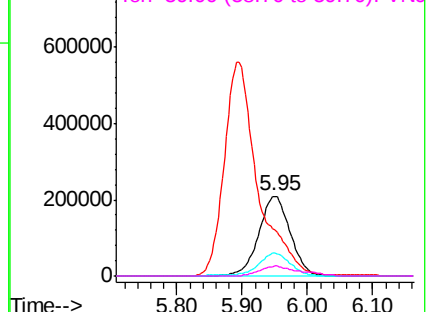
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





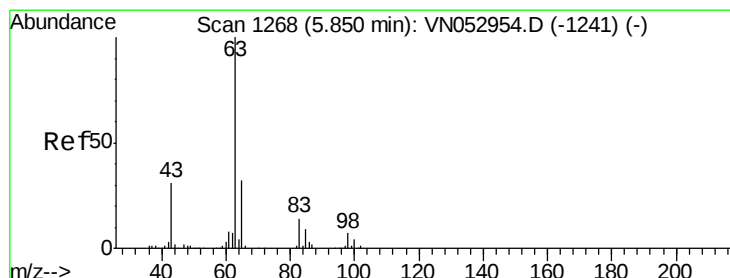
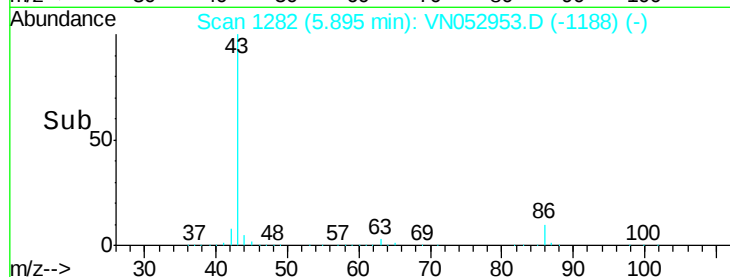
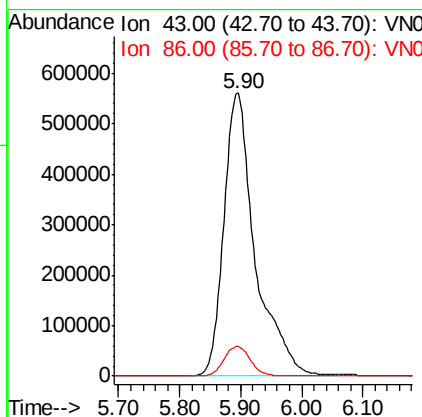
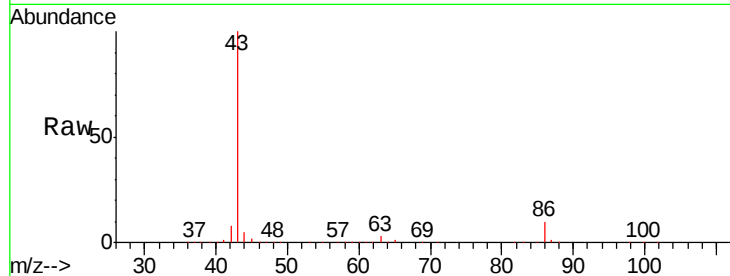
#23
 Vinyl Acetate
 Concen: 96.626 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 2001251
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.1 12.1

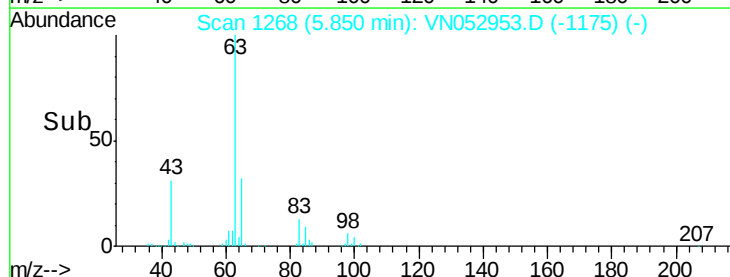
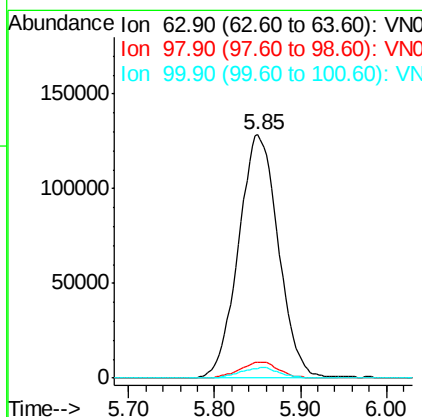
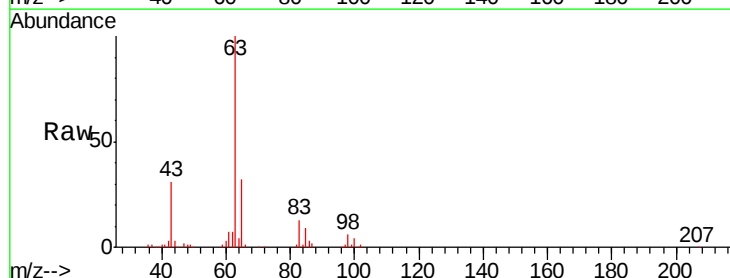
Manual Integrations
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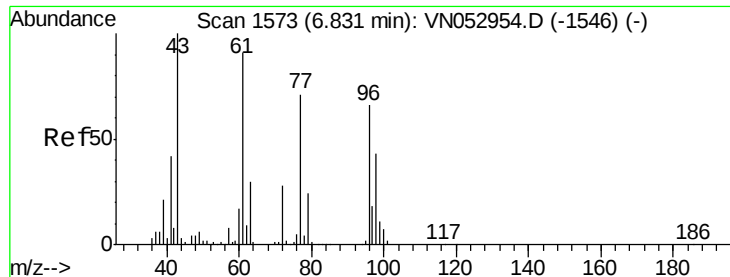
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.648 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion: 63 Resp: 414453
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.0 2.0 5.8





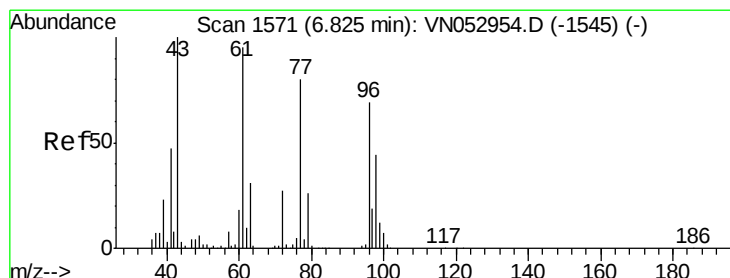
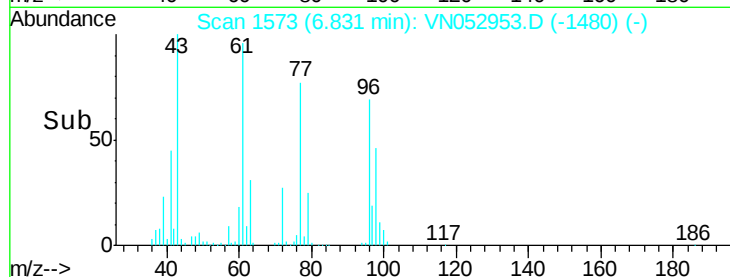
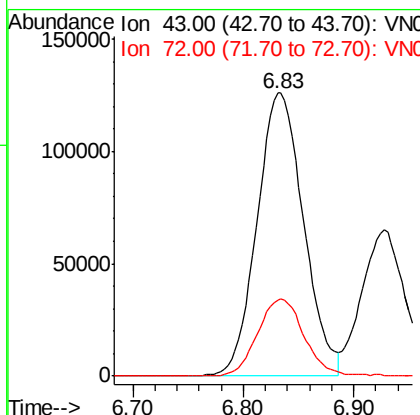
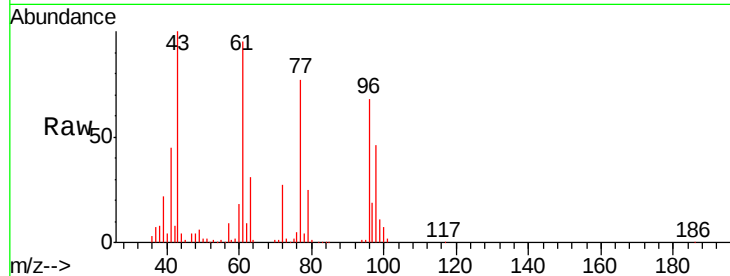
#25
2-Butanone
Concen: 90.729 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 365261
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.6

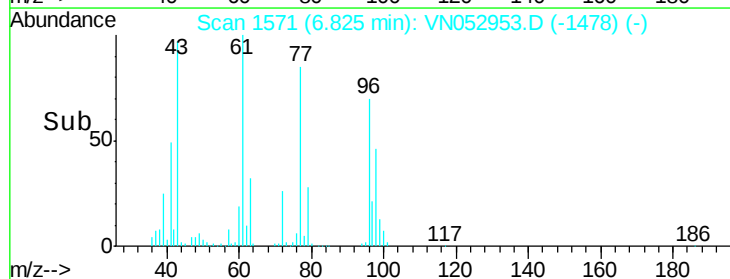
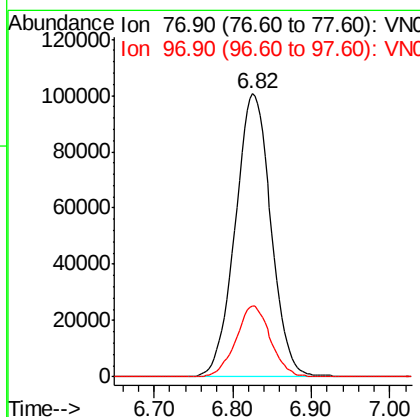
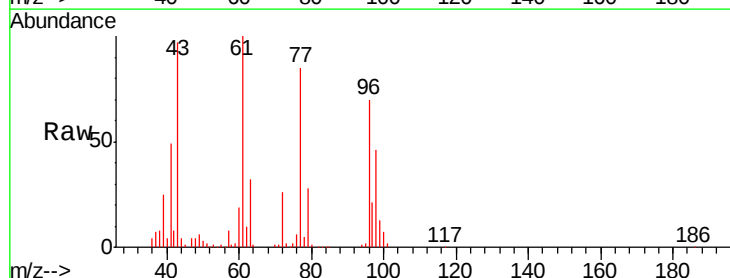
Manual Integrations
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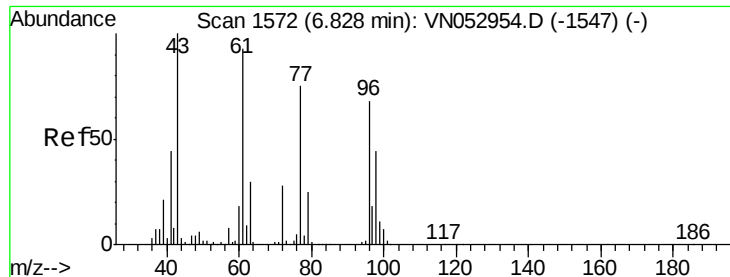
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.626 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion: 77 Resp: 319659
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.584 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

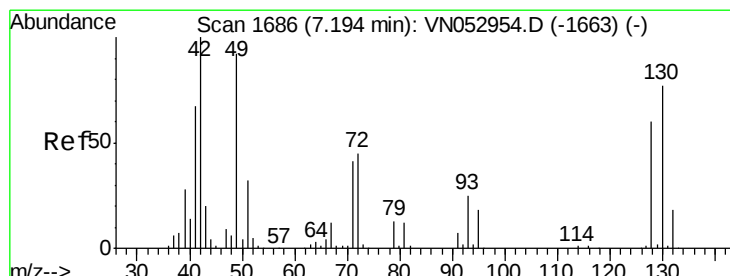
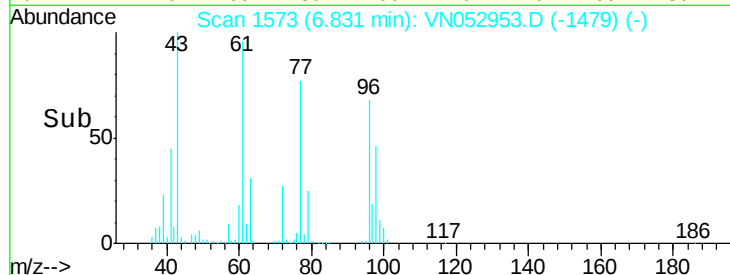
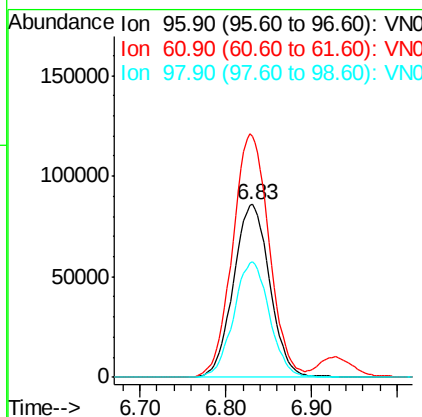
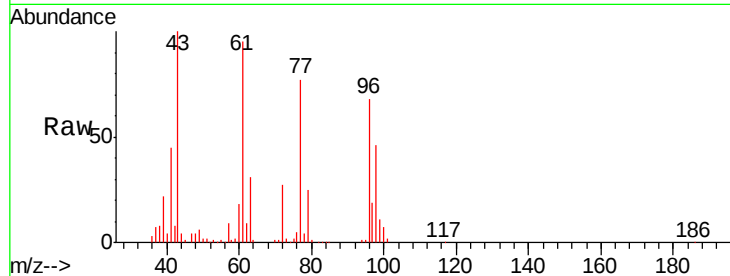
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	252824
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	284.2
98	65.7	0.0	129.2

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#28

Bromochloromethane

Concen: 18.531 ug/l

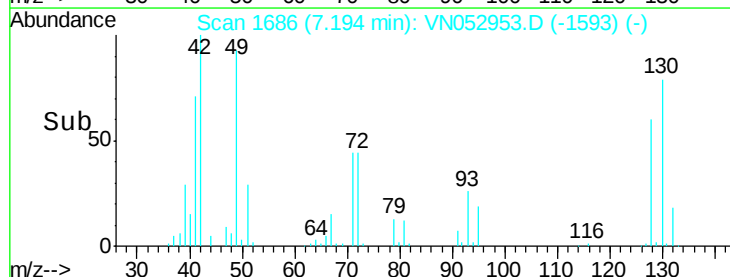
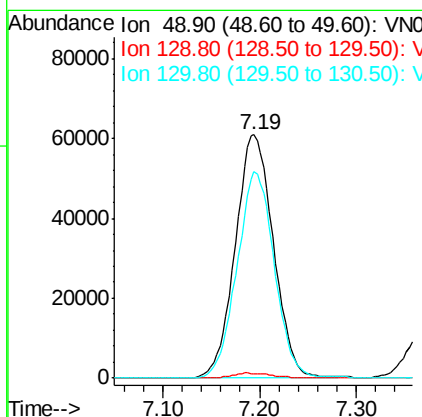
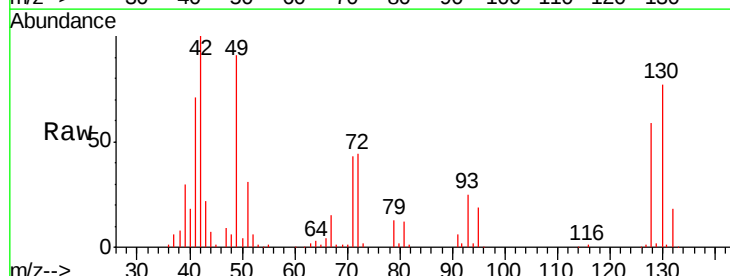
RT: 7.19 min Scan# 1686

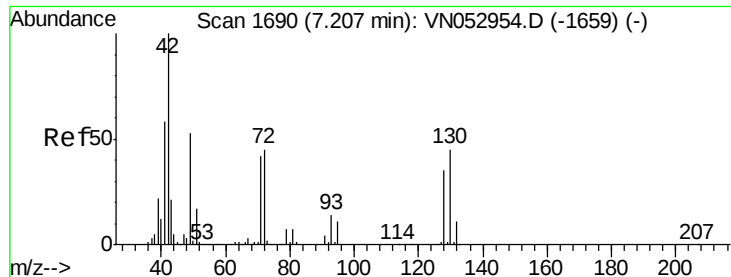
Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion:	49	Resp:	167027
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.0	63.3	94.9





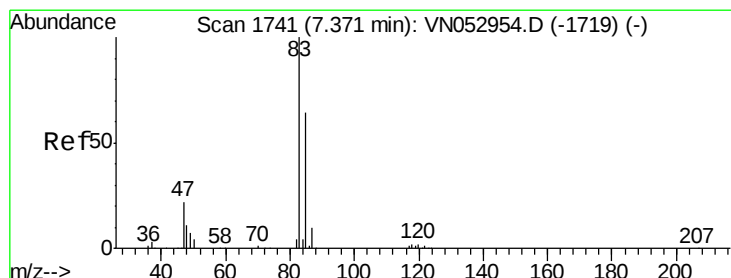
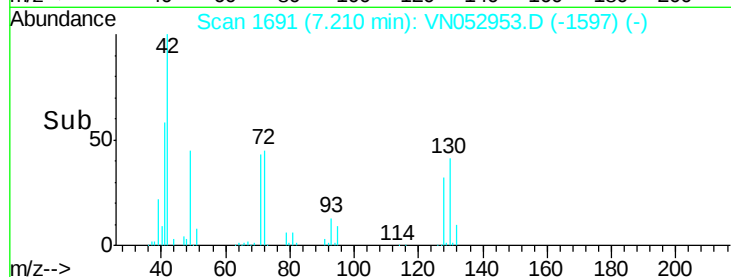
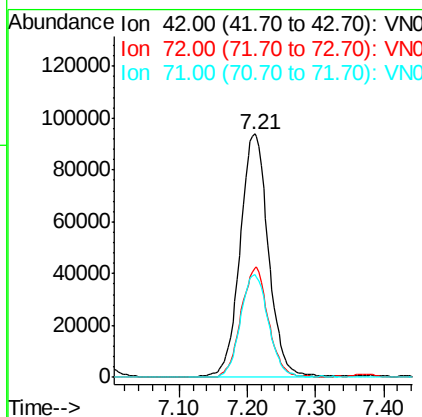
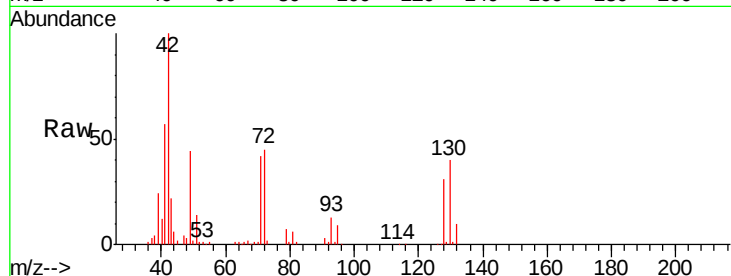
#29
Tetrahydrofuran
Concen: 98.056 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.7	52.1
71	41.8	32.3	48.5

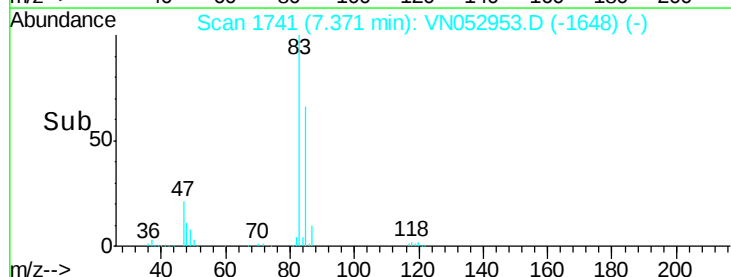
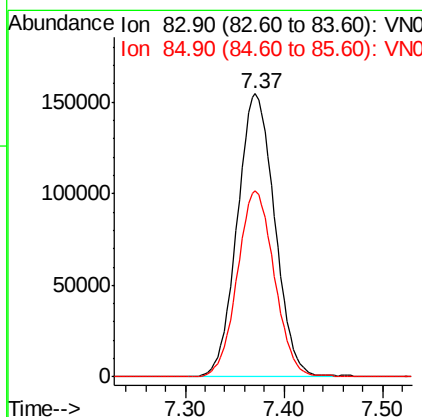
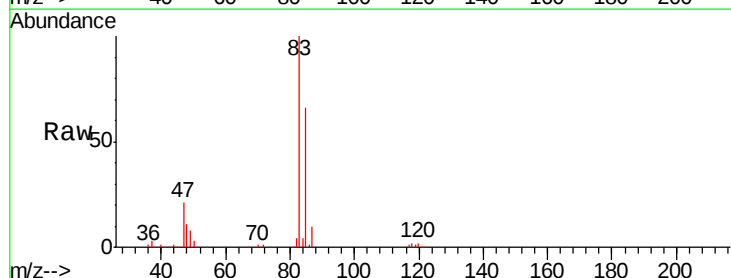
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#30
Chloroform
Concen: 20.762 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.1	78.1





#31

Cyclohexane

Concen: 17.917 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 400960
Ion Ratio Lower Upper

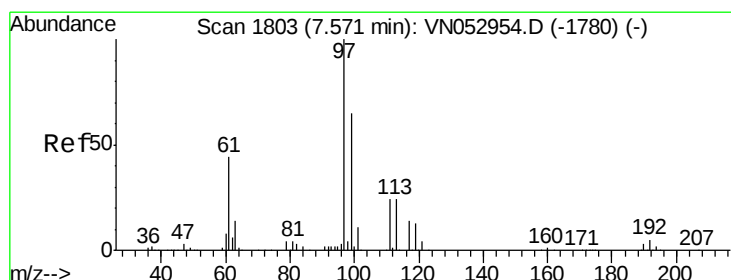
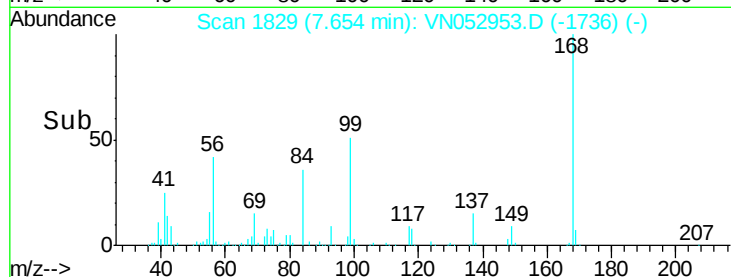
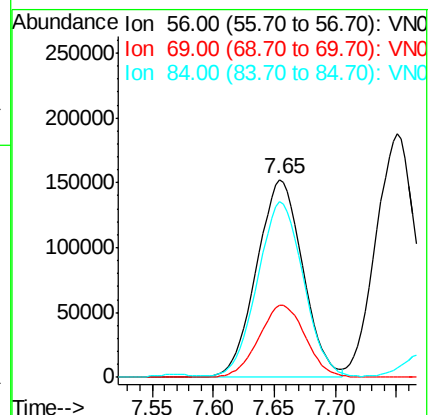
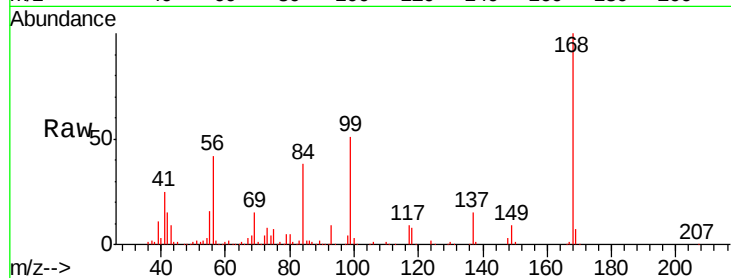
56 100

69 36.3 26.6 39.8

84 87.6 68.4 102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.954 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052953.D

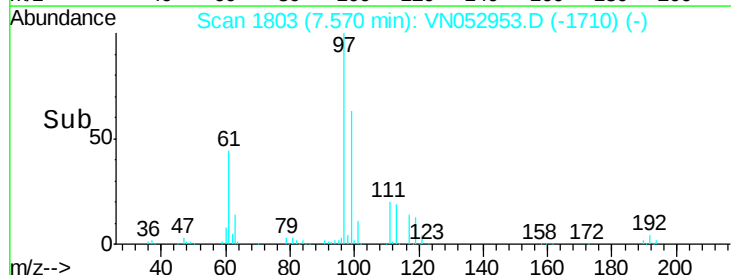
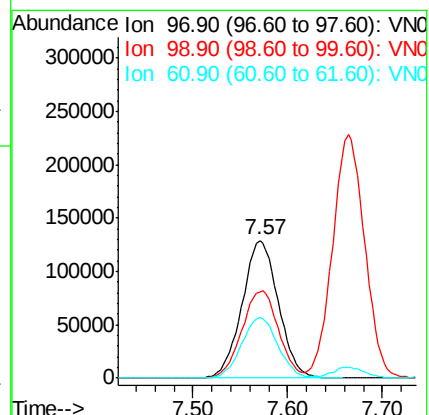
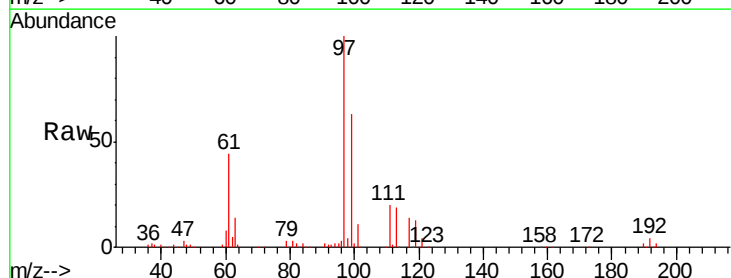
Acq: 18 Dec 2018 11:22

Tgt Ion: 97 Resp: 343149
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 43.8 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 20.954 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 201991
Ion Ratio Lower Upper

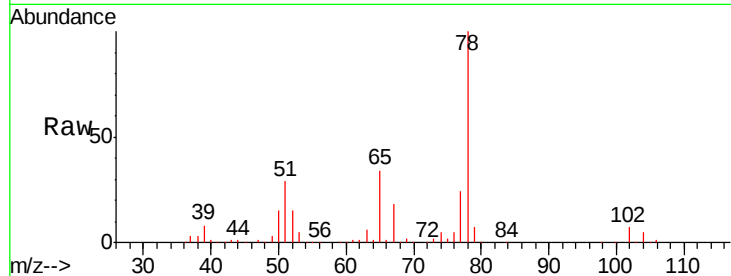
65 100

67 54.5 0.0 110.4

Manual Integrations
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

100000

80000

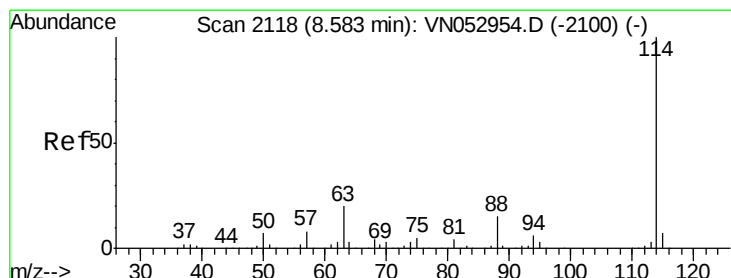
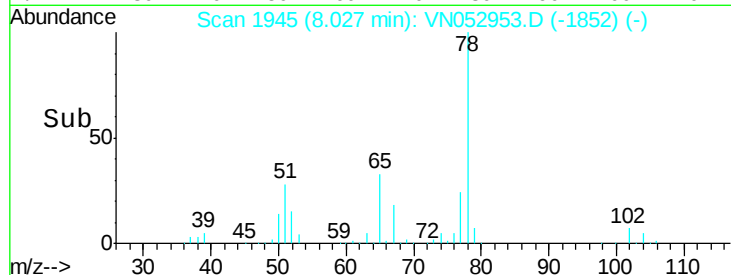
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN052953.D

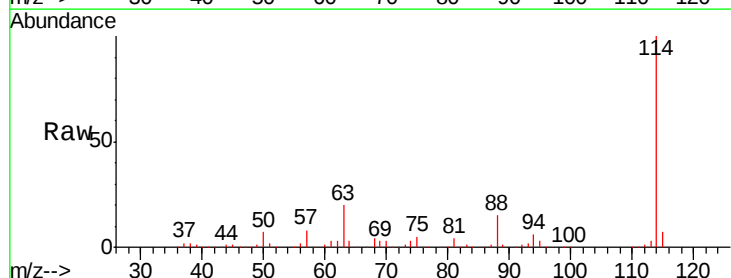
Acq: 18 Dec 2018 11:22

Tgt Ion: 114 Resp: 1647140
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

1000000

800000

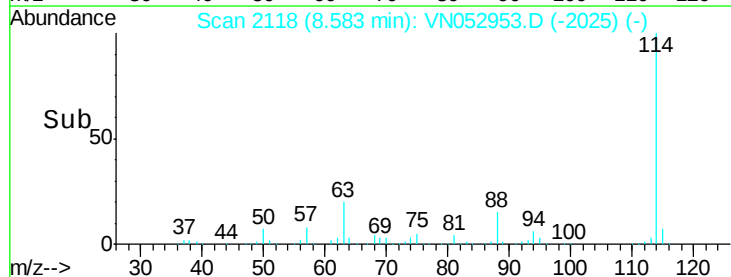
600000

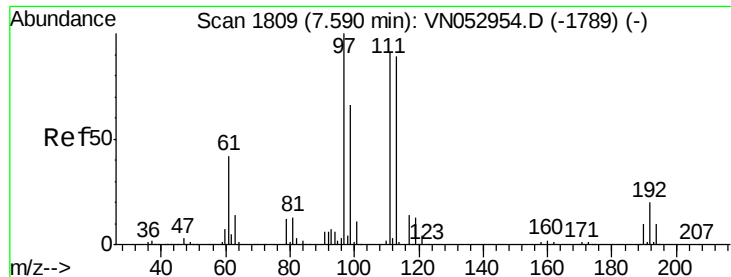
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

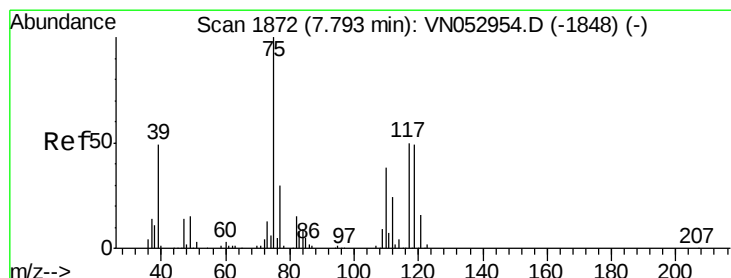
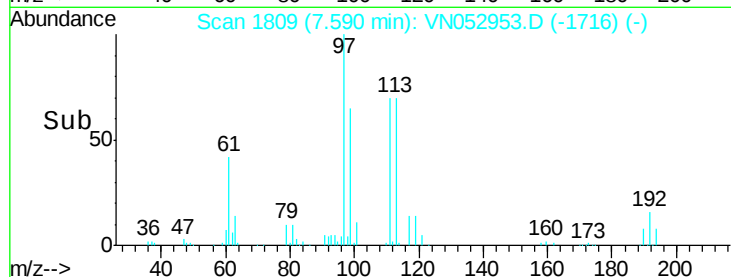
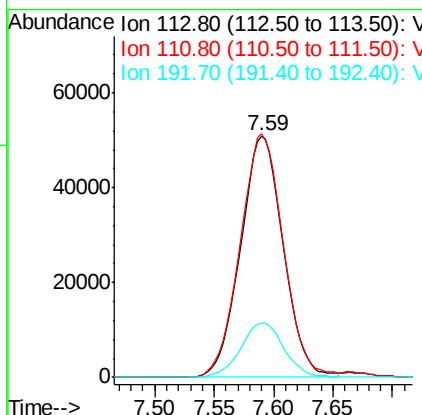
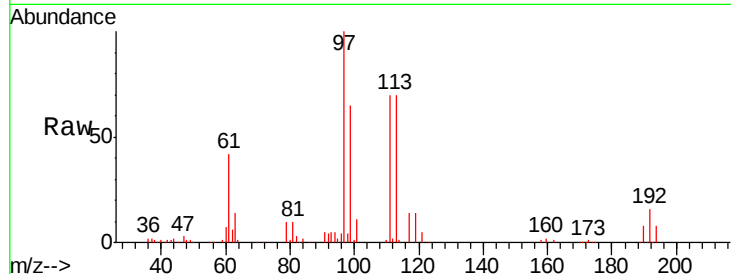
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	126383
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.0	124.4
192	22.7	17.5	26.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.780 ug/l

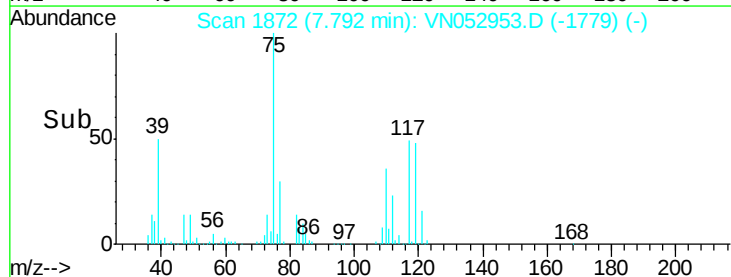
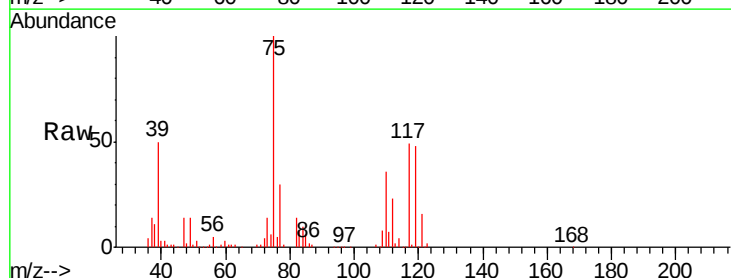
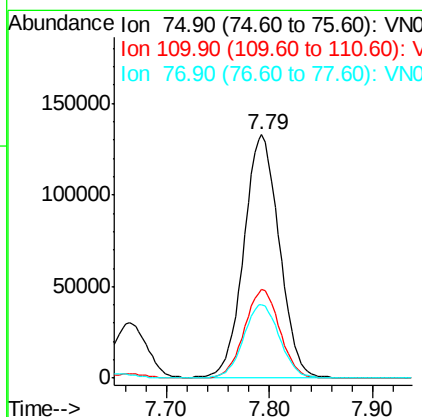
RT: 7.79 min Scan# 1872

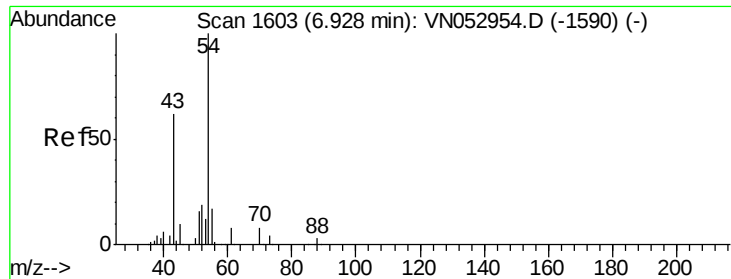
Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion:	75	Resp:	315187
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.2	54.6
77	31.0	24.9	37.3





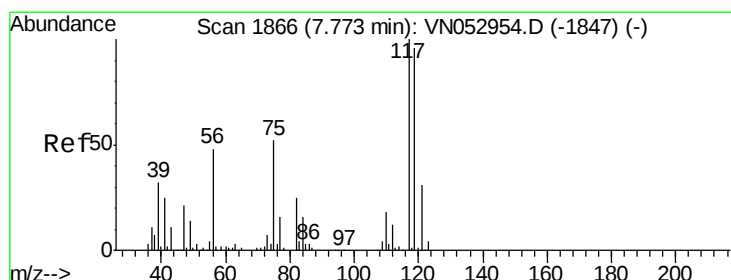
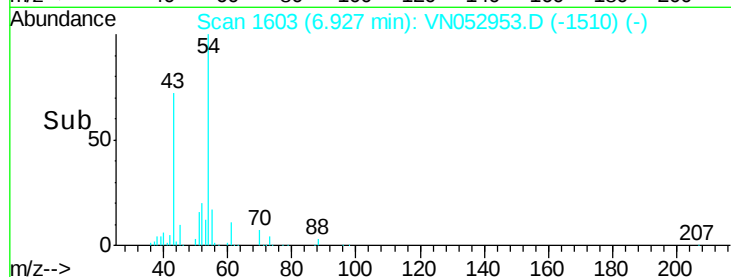
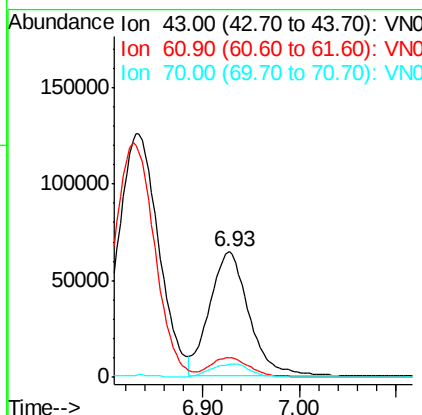
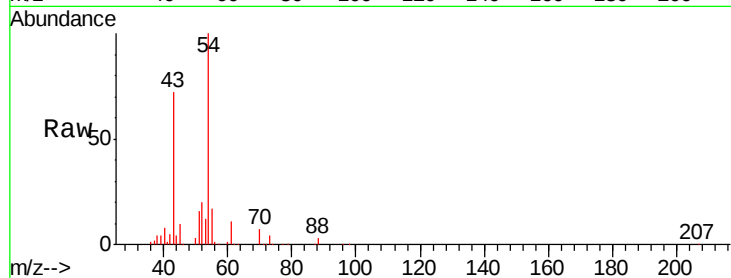
#37
Ethyl Acetate
Concen: 19.871 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	11.1	8.4	12.6

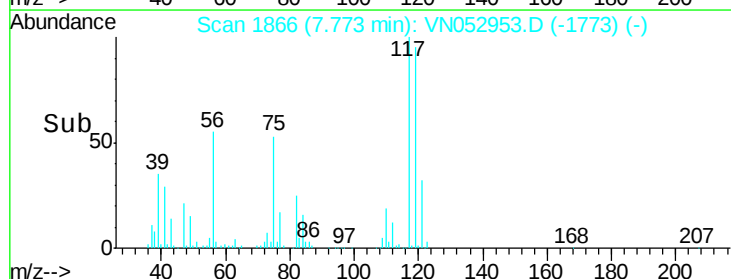
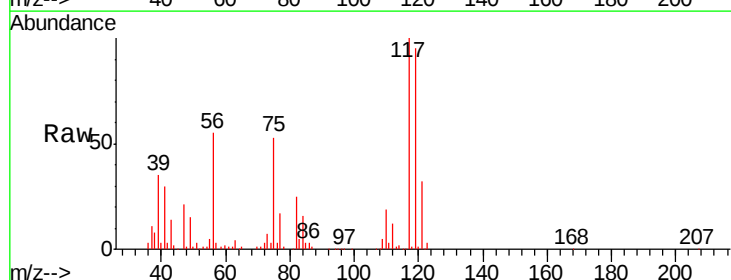
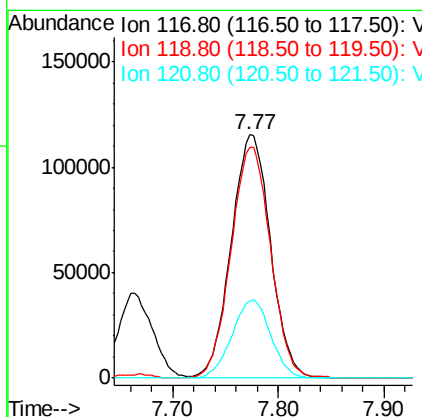
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#38
Carbon Tetrachloride
Concen: 21.249 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.1	115.7
121	31.8	24.9	37.3





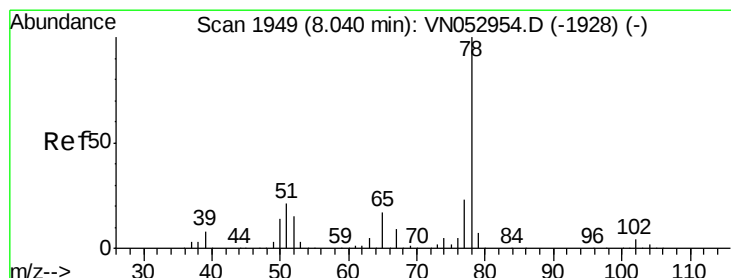
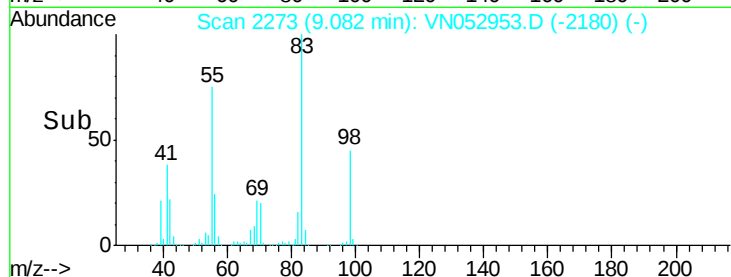
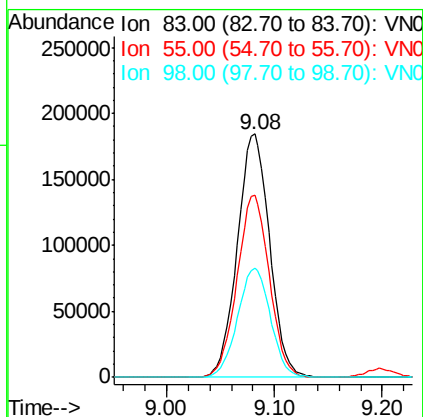
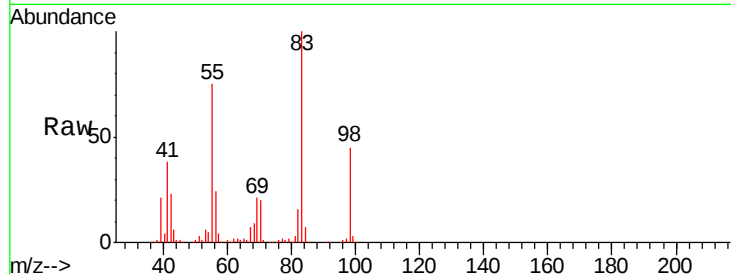
#39
Methylcyclohexane
Concen: 20.656 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	384479		
55	74.9	61.3	91.9	
98	44.7	37.0	55.4	

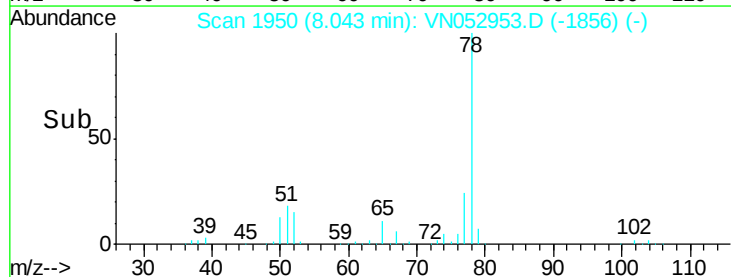
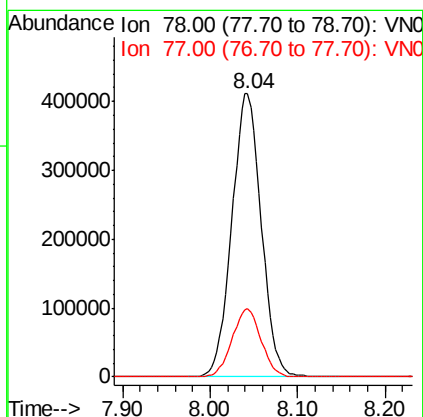
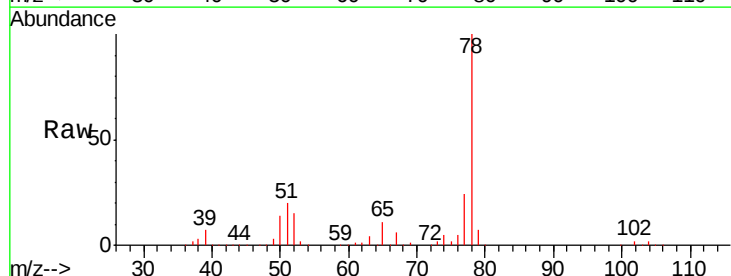
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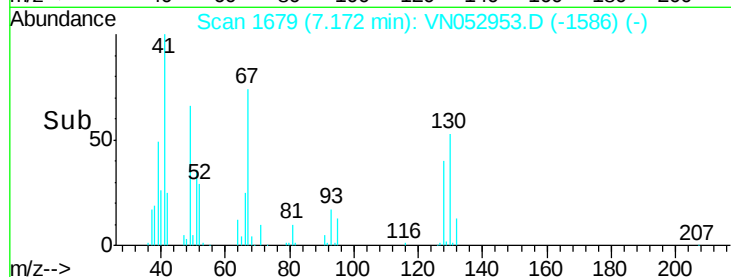
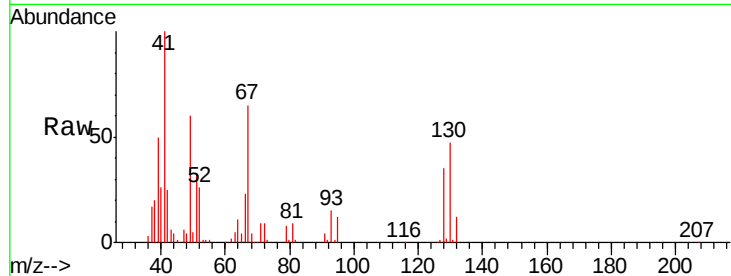
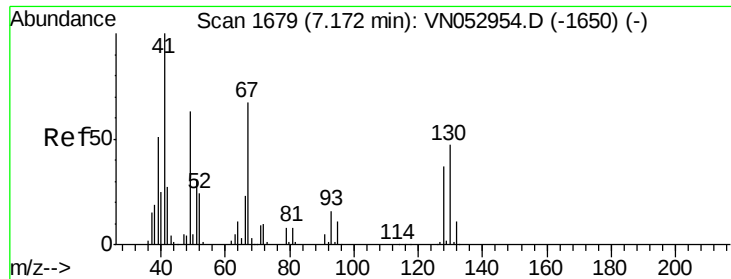
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#40
Benzene
Concen: 21.062 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

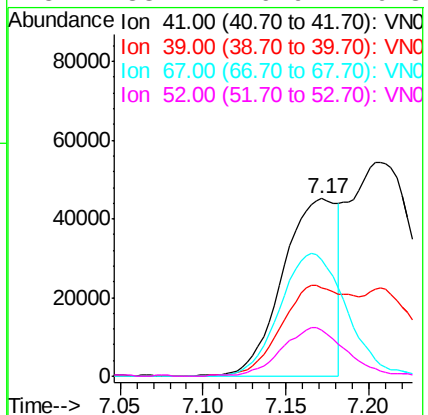
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	958855		
77	24.0	18.5	27.7	





#41
Methacrylonitrile
Concen: 20.417 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

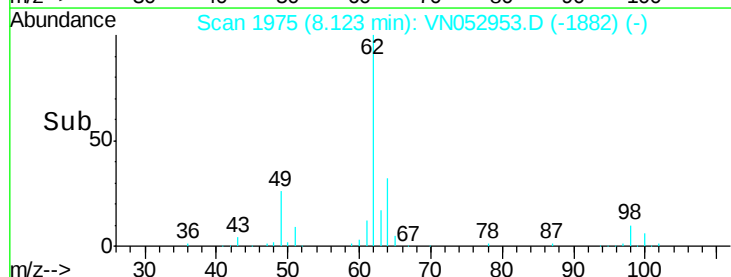
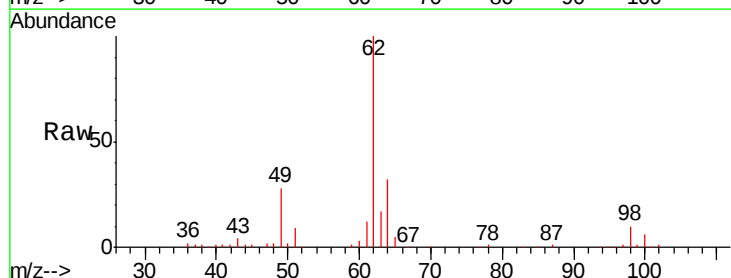
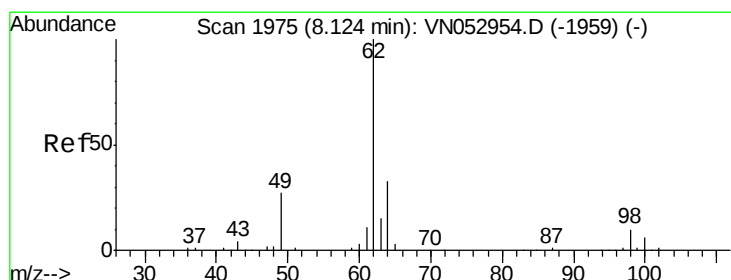
Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.5	48.0	72.0
67	85.2	70.3	105.5
52	33.1	26.9	40.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

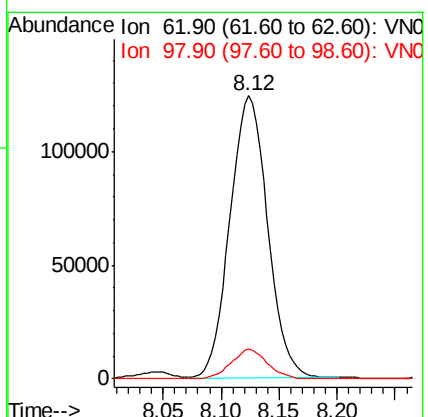
Manual Integrations
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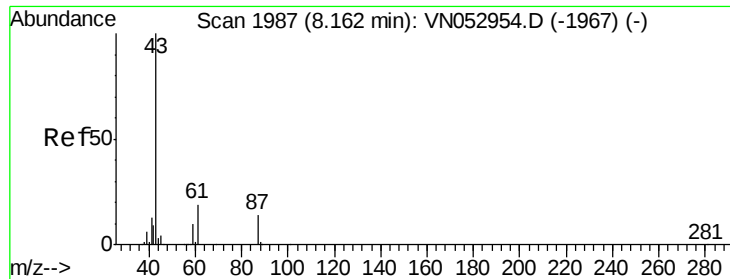
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.476 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





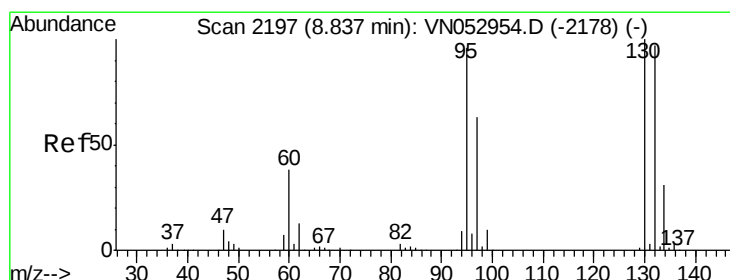
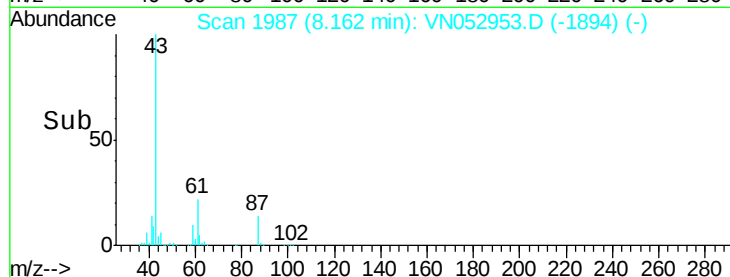
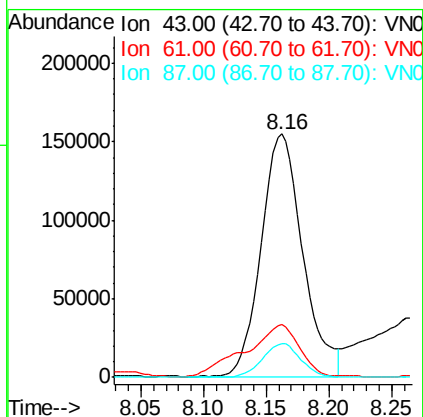
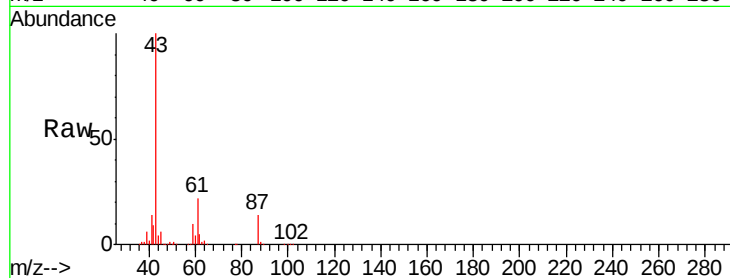
#43
Isopropyl Acetate
Concen: 19.098 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.9	34.3
87	12.9	10.6	15.8

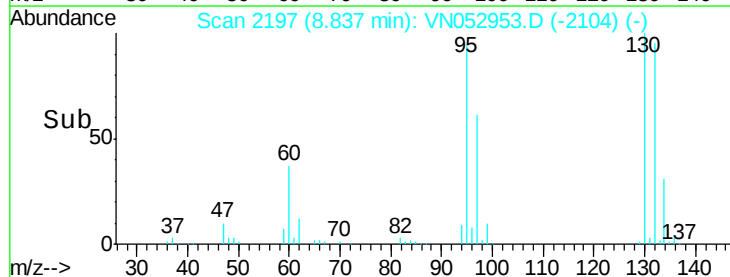
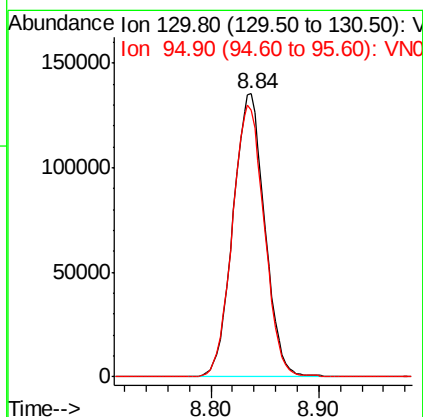
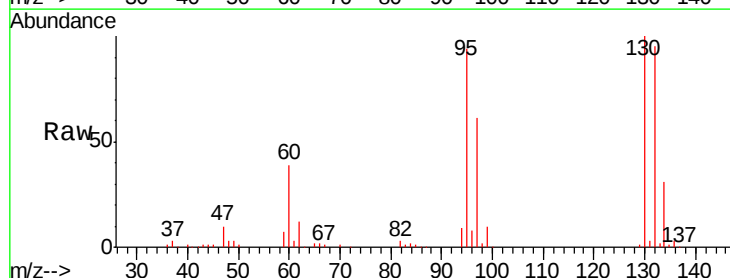
Manual Integrations
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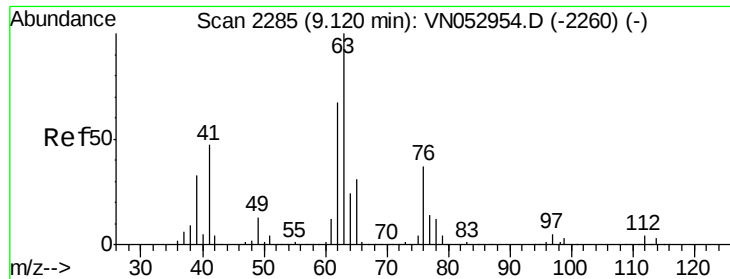
MMDadoda
12/19/2018 12:06:21 PM



#44
Trichloroethene
Concen: 22.444 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	197.8





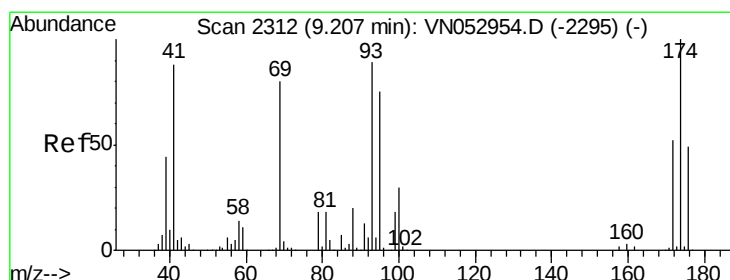
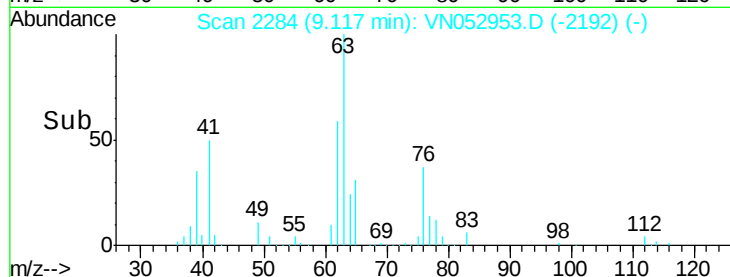
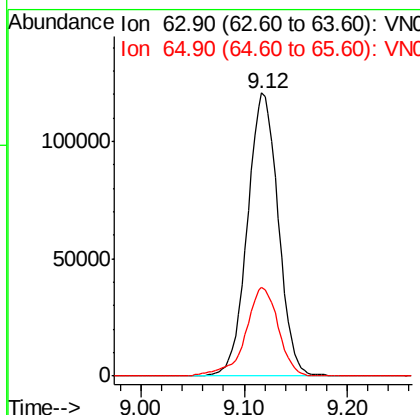
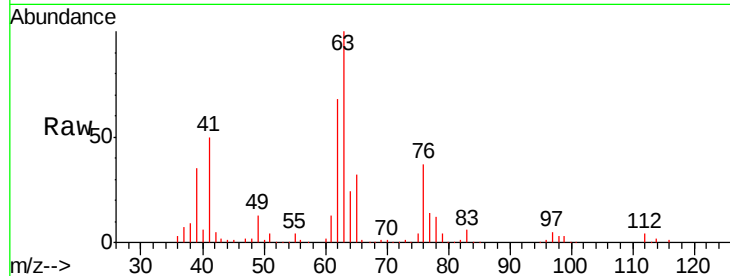
#45
 1,2-Dichloropropane
 Concen: 21.000 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 250408
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

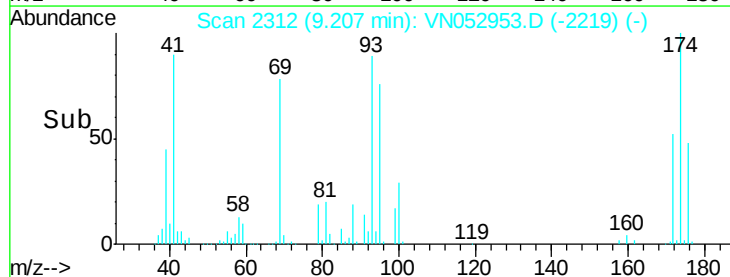
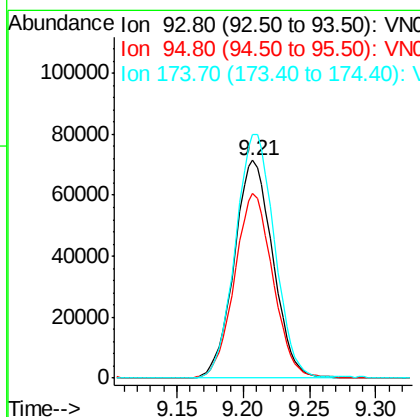
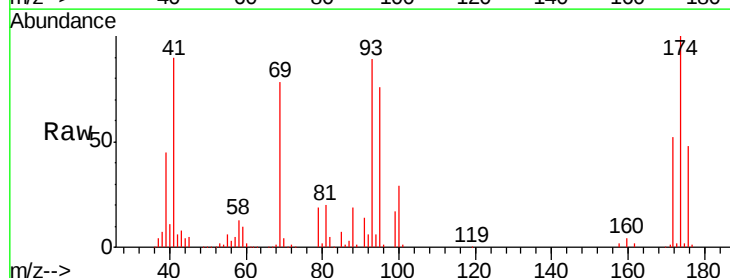
Manual Integrations
 APPROVED

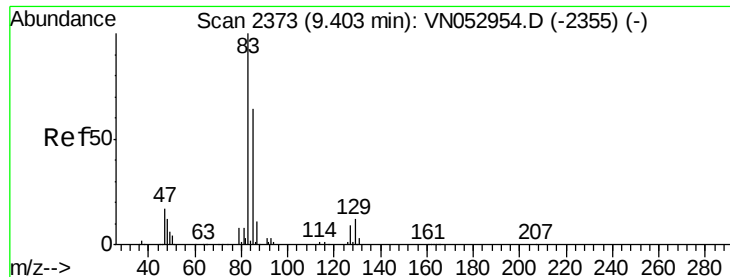
MMDadoda
 12/19/2018 12:06:21 PM



#46
 Dibromomethane
 Concen: 21.012 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion: 93 Resp: 145306
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.8 101.6
 174 113.2 89.0 133.4





#47

Bromodichloromethane

Concen: 21.627 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

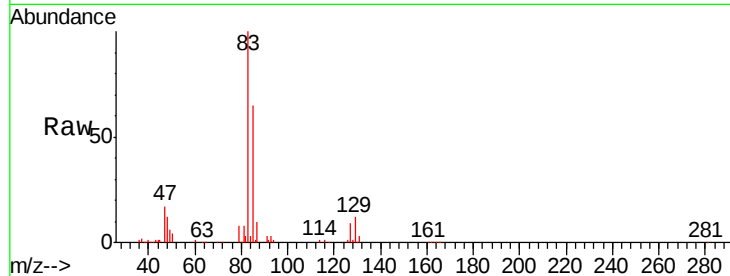
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	310135
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.6	77.4
127	8.8	7.1	10.7

Manual Integrations
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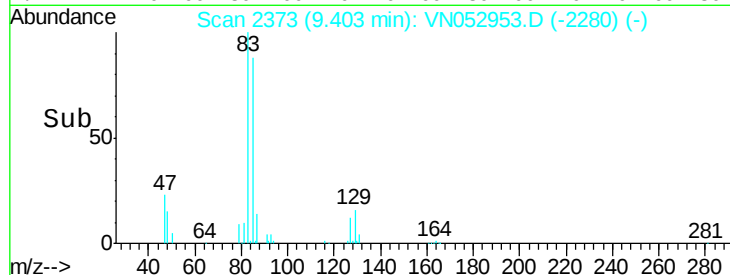


Abundance Ion 82.90 (82.60 to 83.60): VN052953.D (-2280) (-)

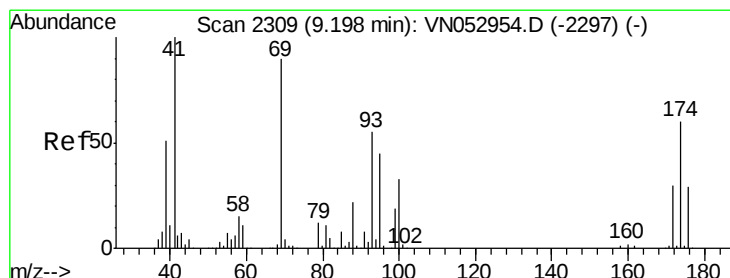
Ion 84.90 (84.60 to 85.60): VN052953.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052953.D (-2280) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 20.835 ug/l

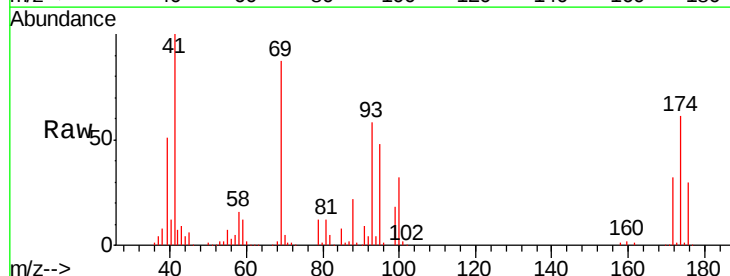
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion:	41	Resp:	170696
Ion Ratio	Lower	Upper	
41	100		
69	92.5	72.2	108.2
39	53.8	41.9	62.9

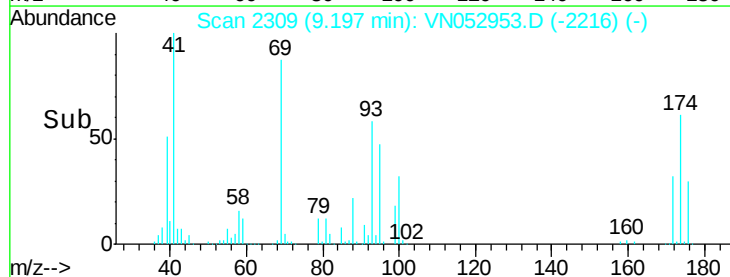


Abundance Ion 41.00 (40.70 to 41.70): VN052953.D (-2216) (-)

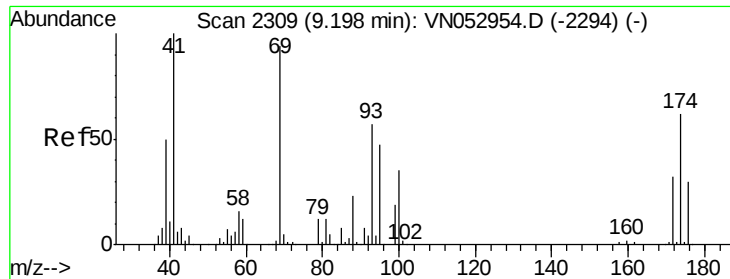
Ion 69.00 (68.70 to 69.70): VN052953.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052953.D (-2216) (-)

Time-->



Time-->



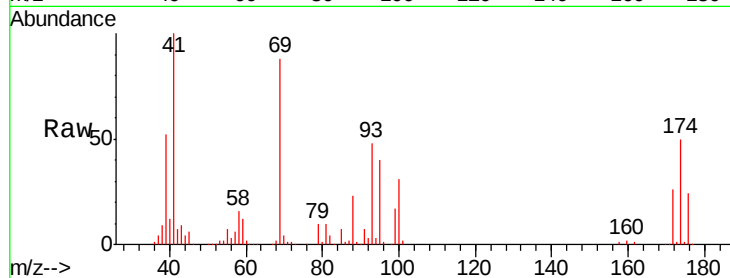
#49
1,4-Dioxane
Concen: 452.868 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

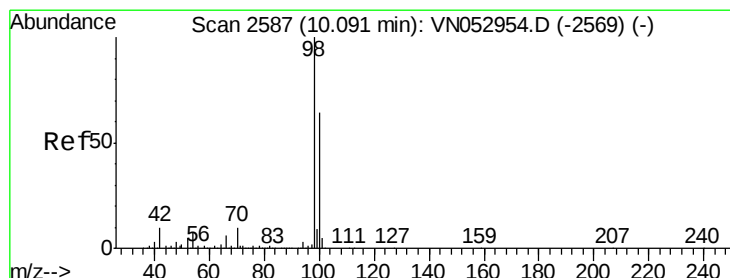
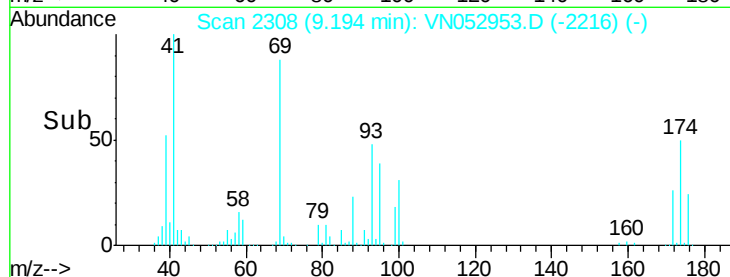
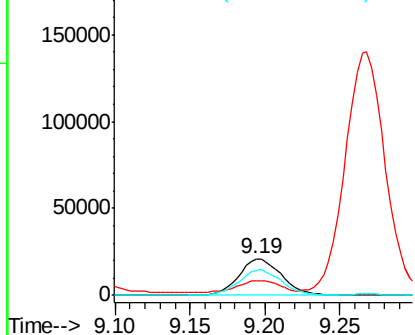
Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	40.0
58	69.5	58.4	87.6

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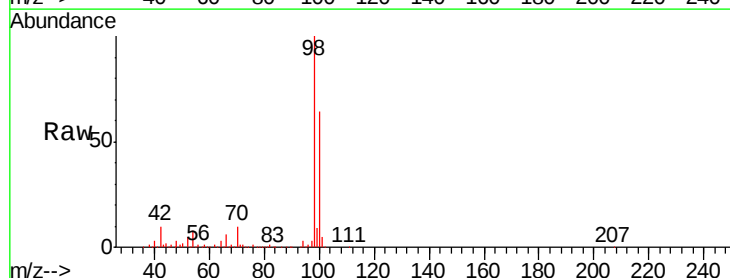


Abundance Ion 88.00 (87.70 to 88.70): VN052953.D (-2216) (-)
Ion 43.00 (42.70 to 43.70): VN052953.D (-2216) (-)
Ion 58.00 (57.70 to 58.70): VN052953.D (-2216) (-)

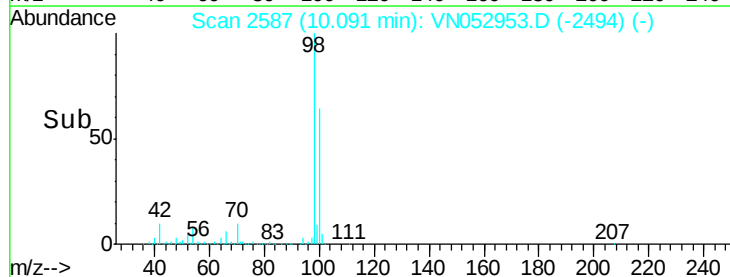
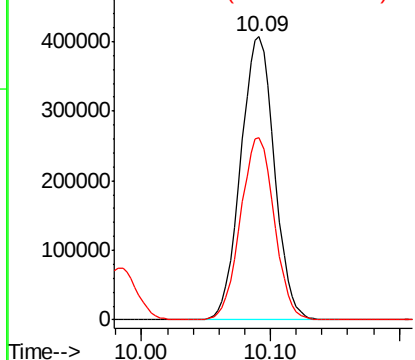


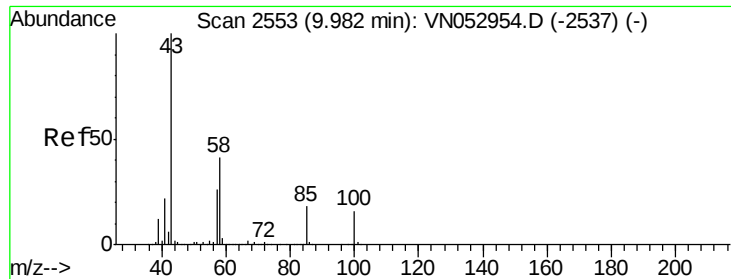
#50
Toluene-d8
Concen: 452.868 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052953.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN052953.D (-2494) (-)





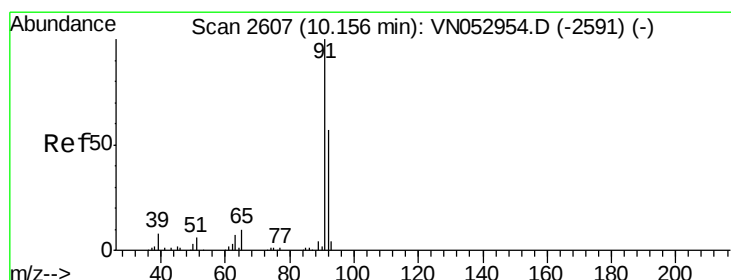
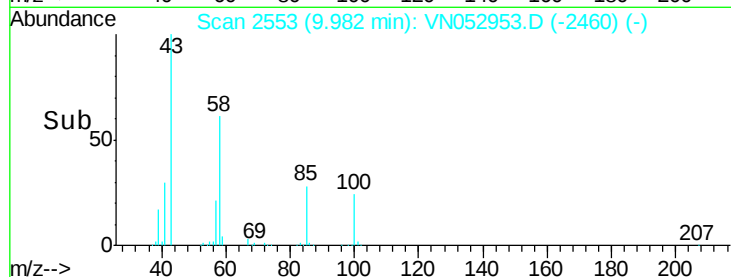
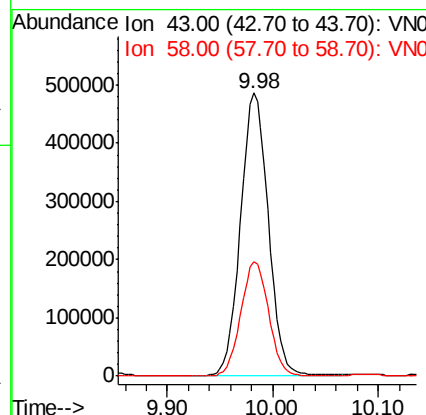
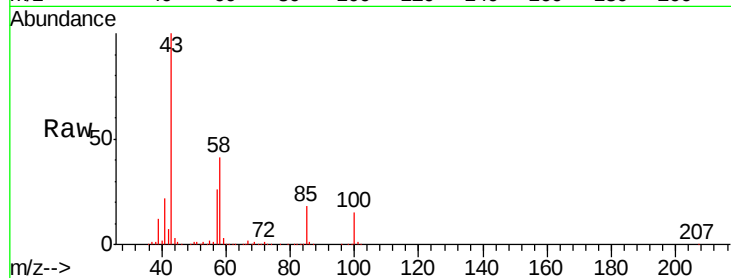
#51
4-Methyl-2-Pentanone
Concen: 103.272 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 884682
Ion Ratio Lower Upper
43 100
58 40.7 32.2 48.4

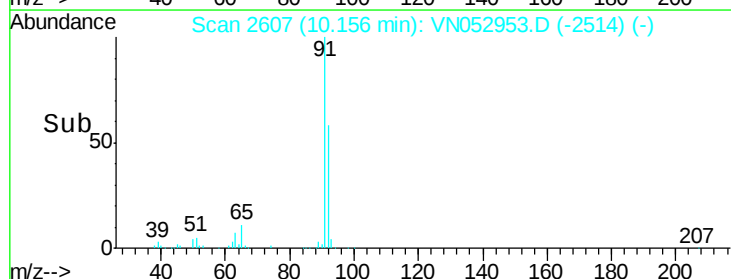
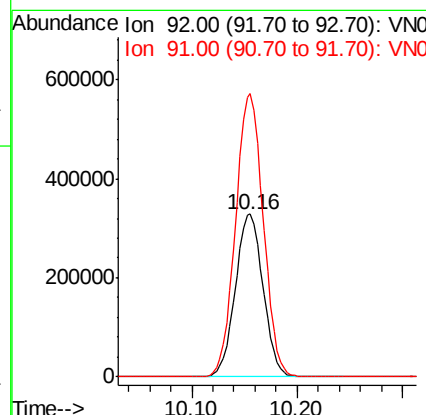
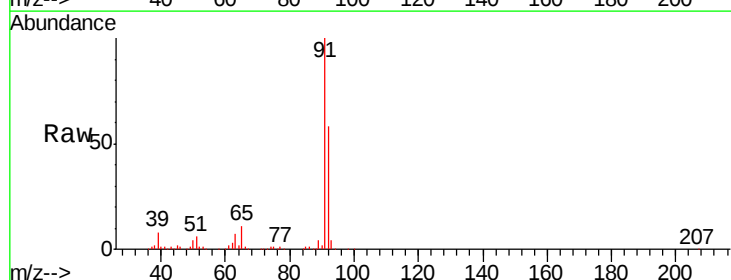
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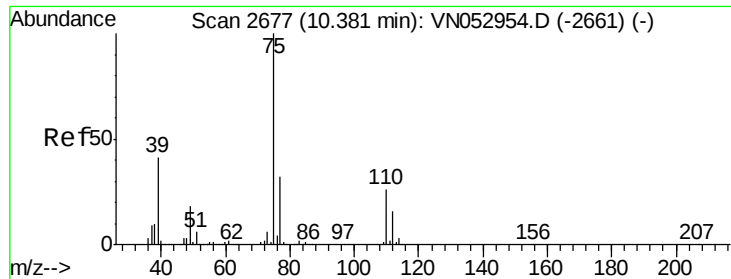
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#52
Toluene
Concen: 21.620 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion: 92 Resp: 596105
Ion Ratio Lower Upper
92 100
91 174.6 139.8 209.6





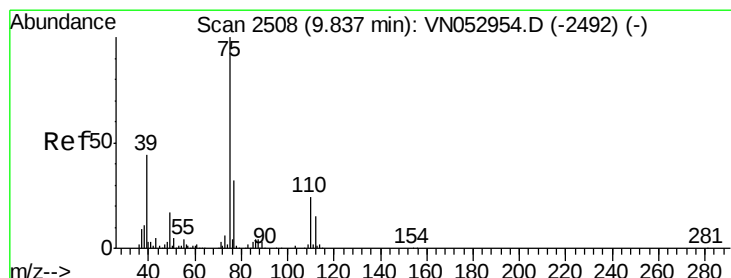
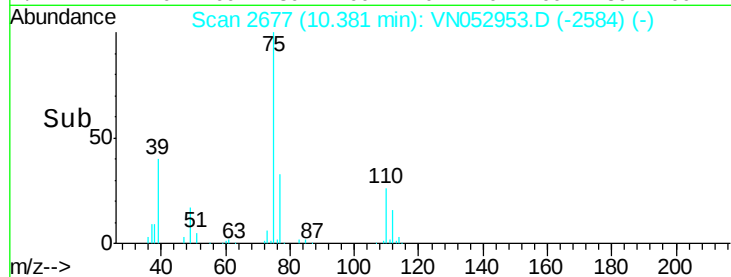
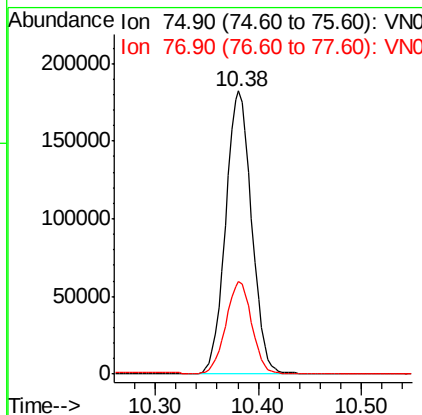
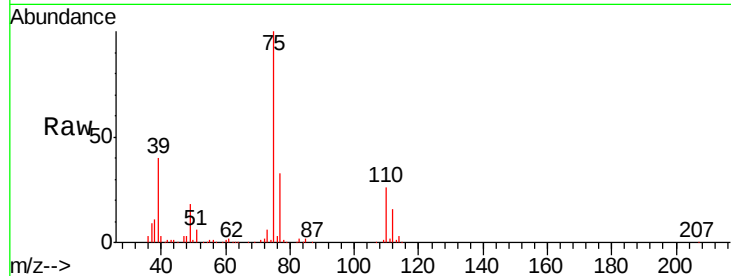
#53
t-1,3-Dichloropropene
Concen: 22.213 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 320546
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4

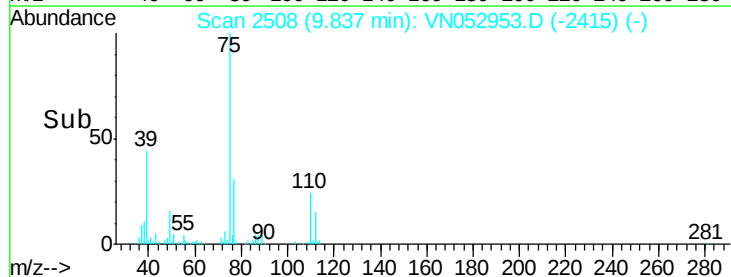
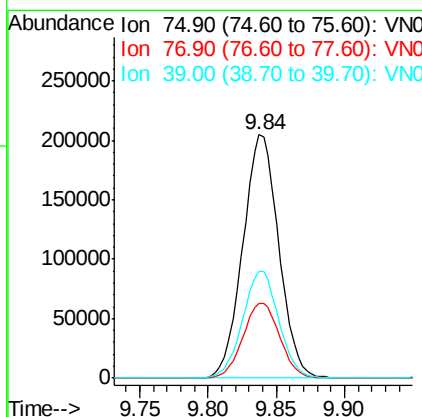
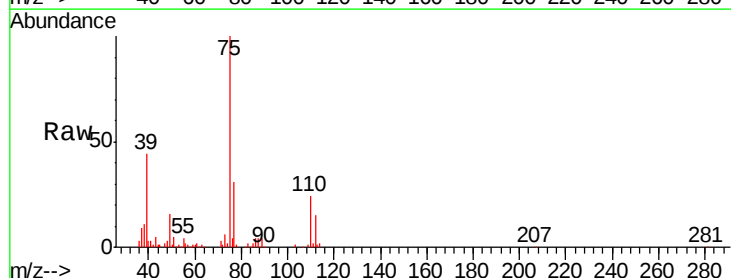
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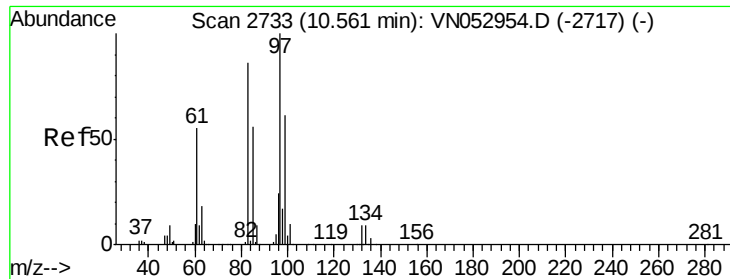
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#54
cis-1,3-Dichloropropene
Concen: 21.797 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion: 75 Resp: 374802
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.8
39 44.0 34.8 52.2





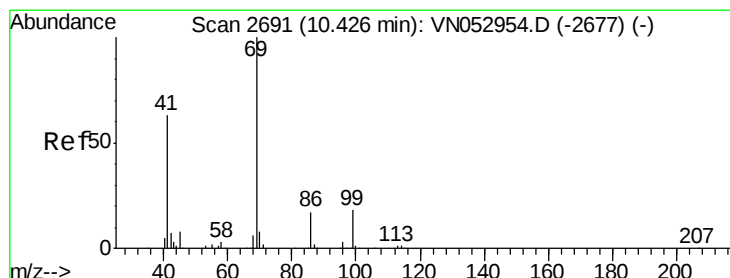
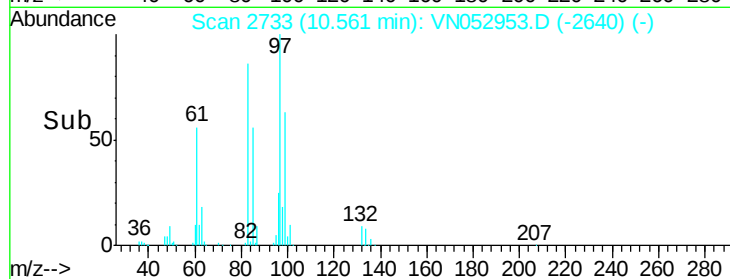
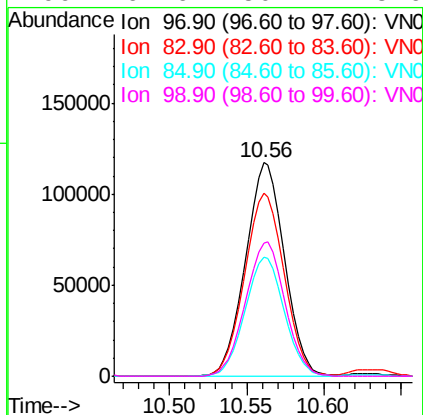
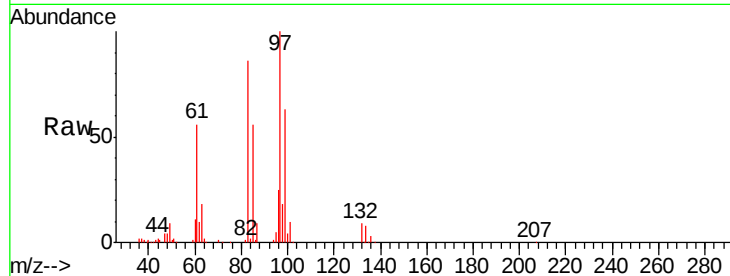
#55
 1,1,2-Trichloroethane
 Concen: 20.894 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	205651
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.9	106.3
85	55.8	45.4	68.2
99	62.6	50.4	75.6

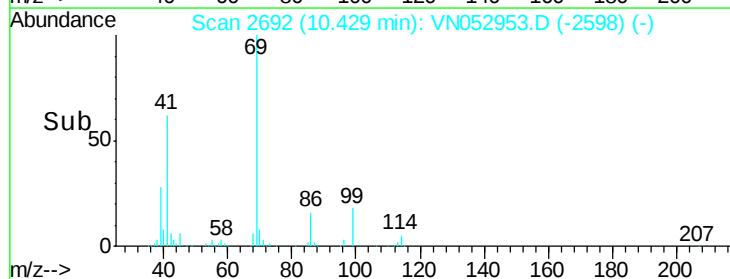
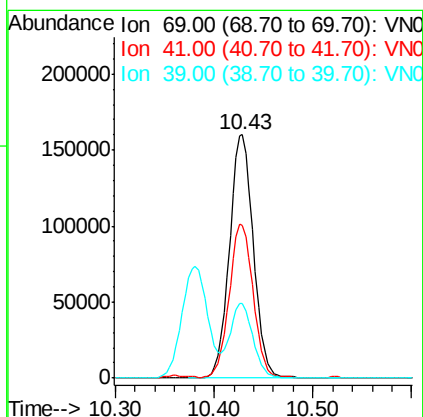
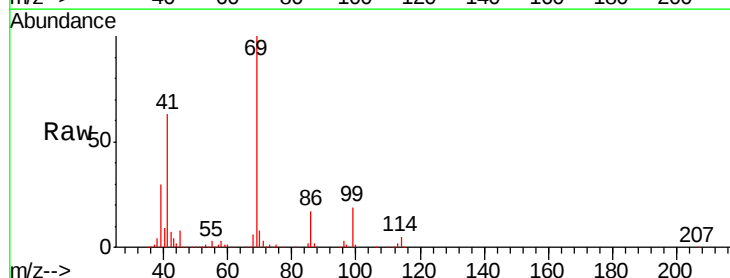
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 21.485 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion:	69	Resp:	271382
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.7	77.5
39	29.6	24.6	37.0





#57

1,3-Dichloropropane

Concen: 21.067 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 355588

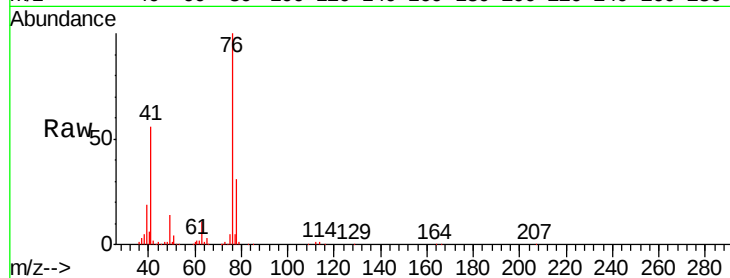
Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

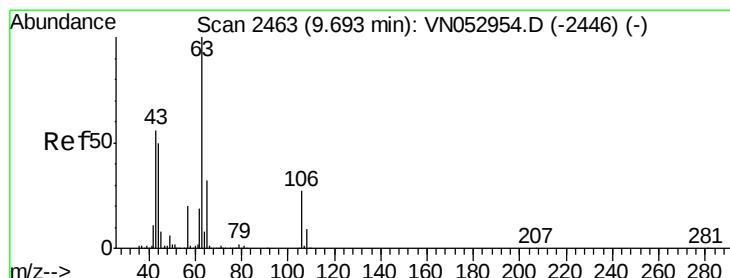
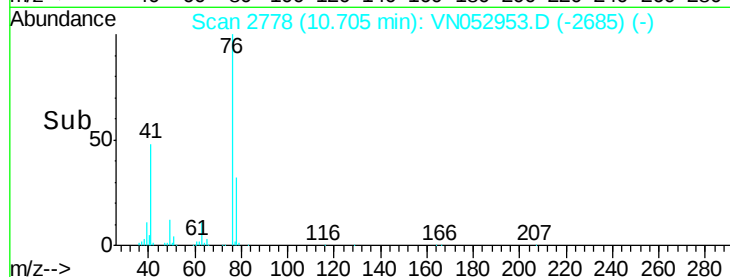
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 105.722 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052953.D

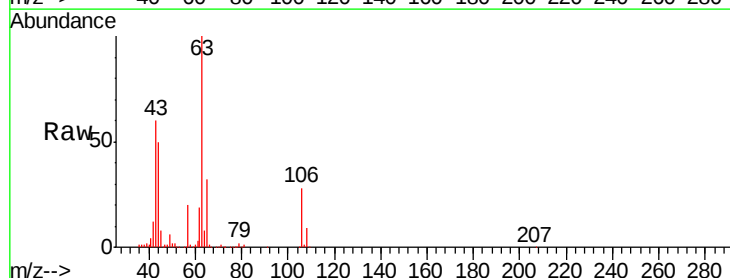
Acq: 18 Dec 2018 11:22

Tgt Ion: 63 Resp: 745134

Ion Ratio Lower Upper

63 100

106 27.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

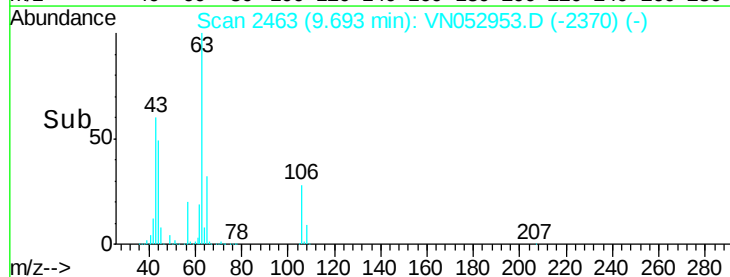
300000

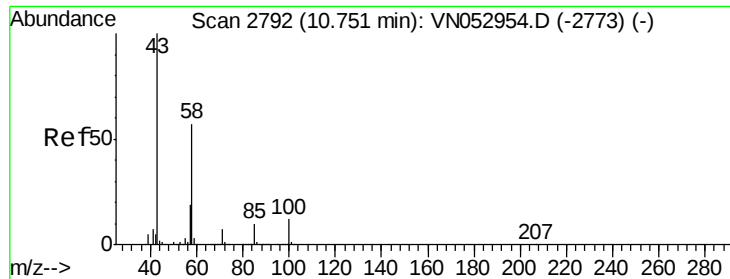
200000

100000

0

Time--> 9.60 9.70 9.80





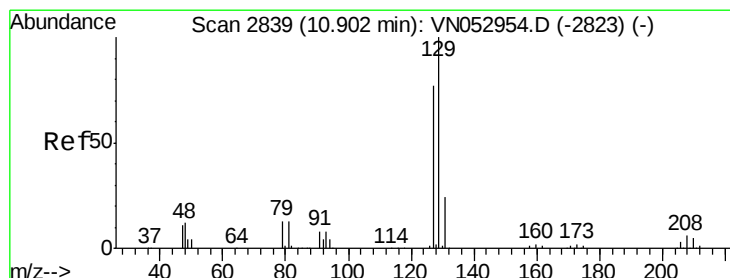
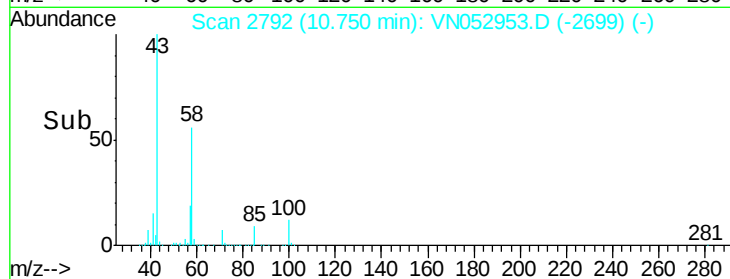
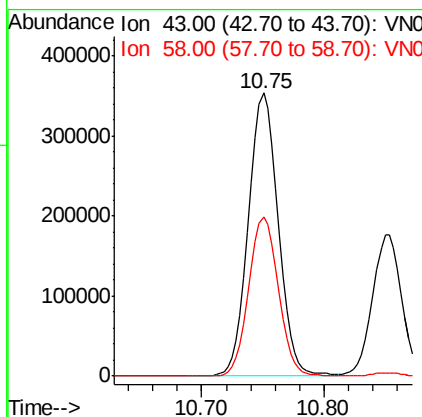
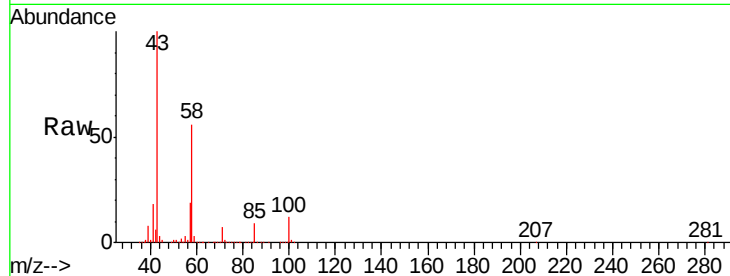
#59
2-Hexanone
Concen: 100.453 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 589736
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.3

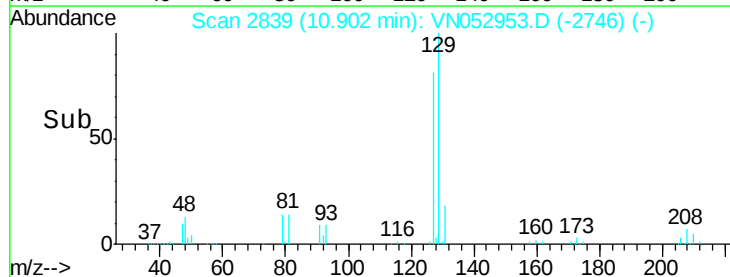
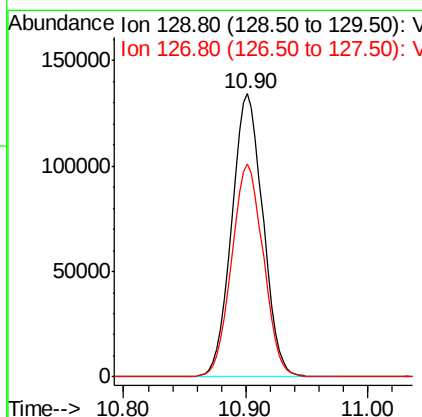
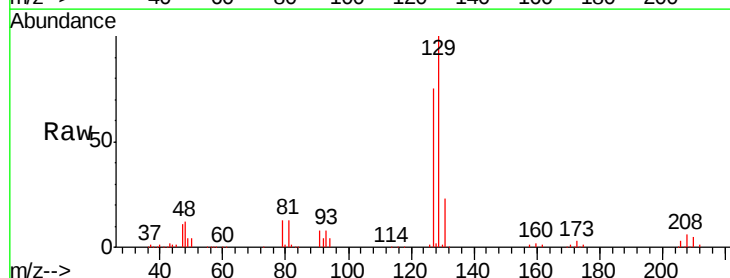
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#60
Dibromochloromethane
Concen: 22.427 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion: 129 Resp: 238569
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





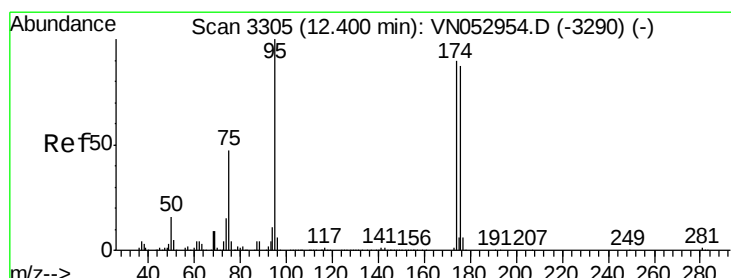
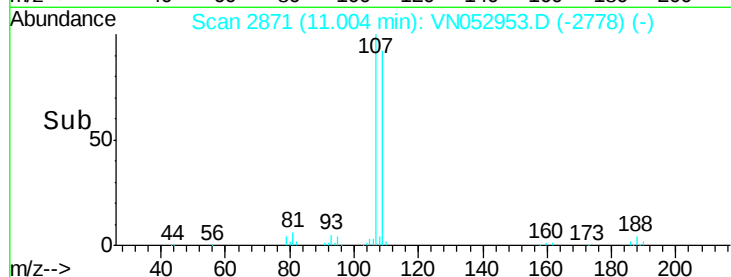
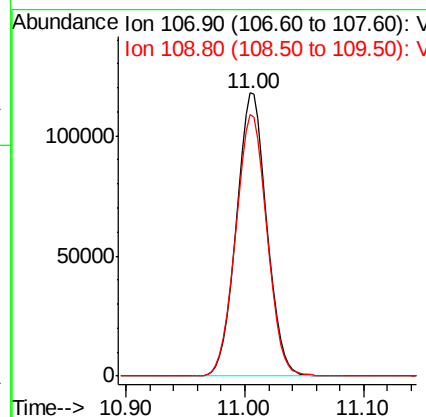
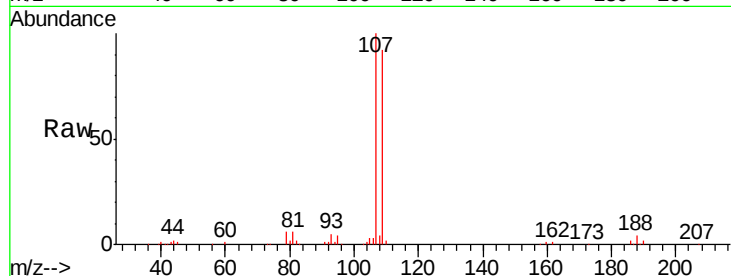
#61
1,2-Dibromoethane
Concen: 21.416 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	208361		
109	95.0	75.4	113.0	

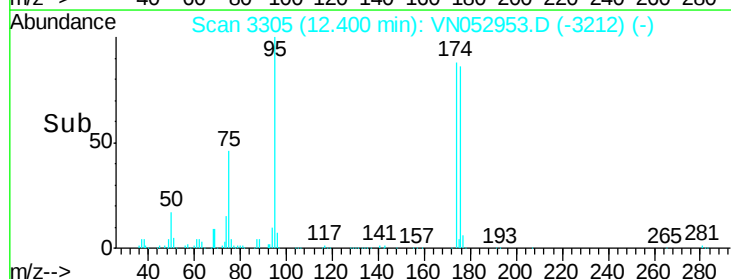
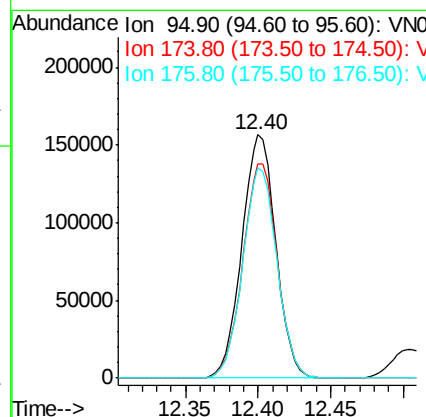
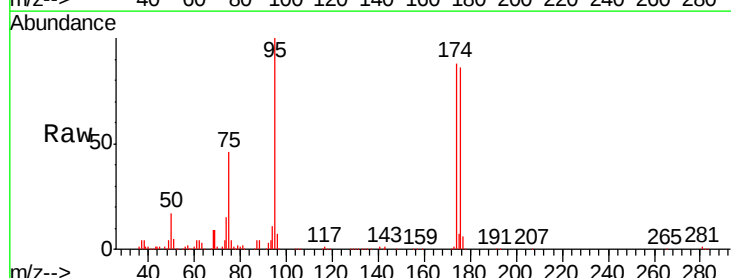
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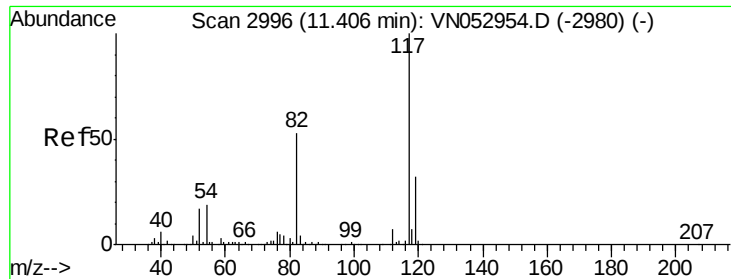
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#62
4-Bromofluorobenzene
Concen: 21.416 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	254726		
174	89.1	0.0	178.8	
176	86.8	0.0	173.8	





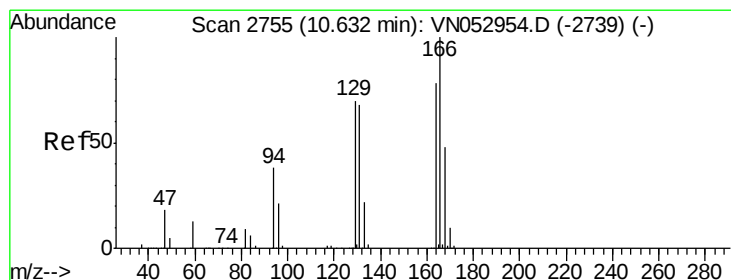
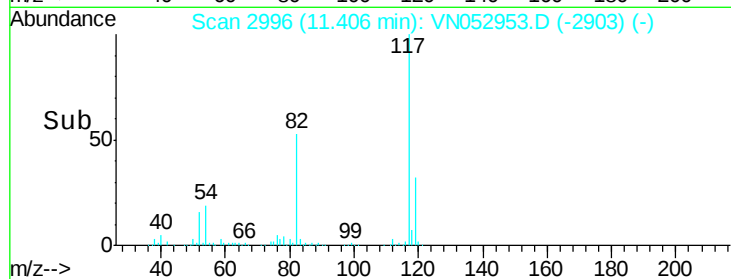
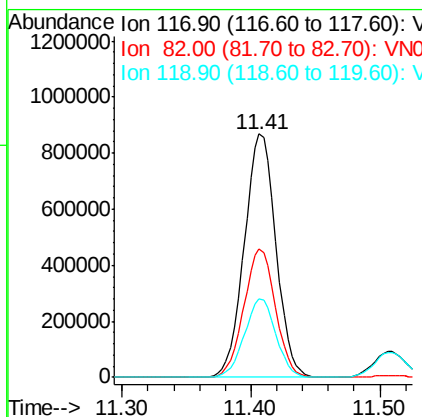
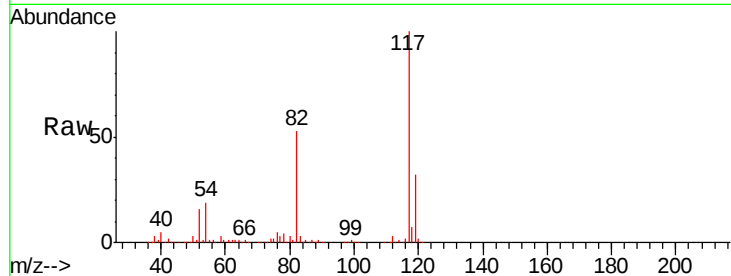
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.8	64.2
119	32.5	25.5	38.3

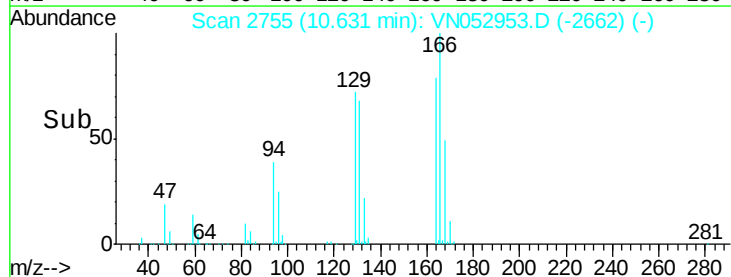
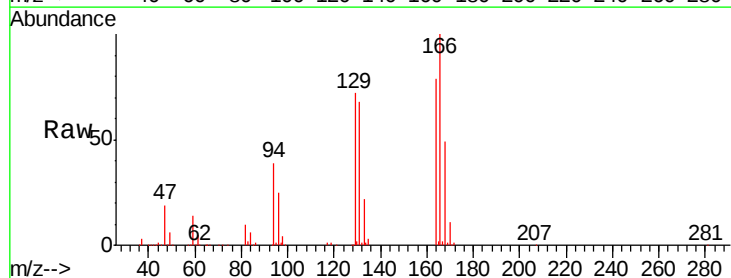
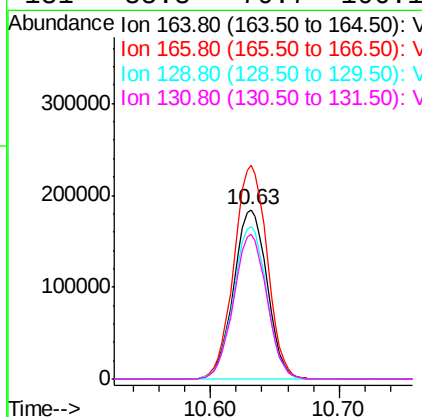
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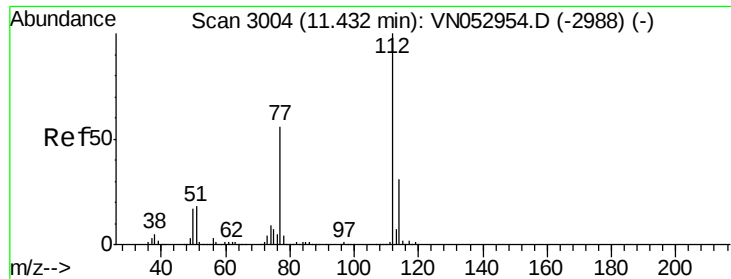
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#64
Tetrachloroethene
Concen: 26.070 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.9	154.3
129	90.2	73.7	110.5
131	85.8	70.7	106.1





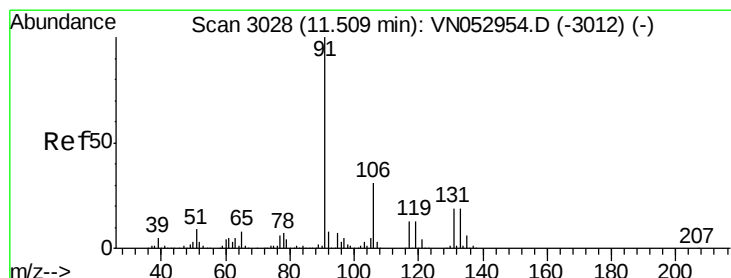
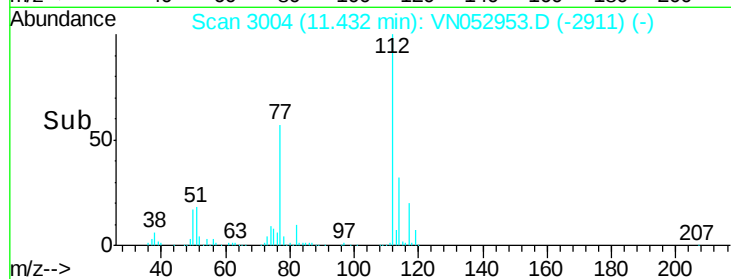
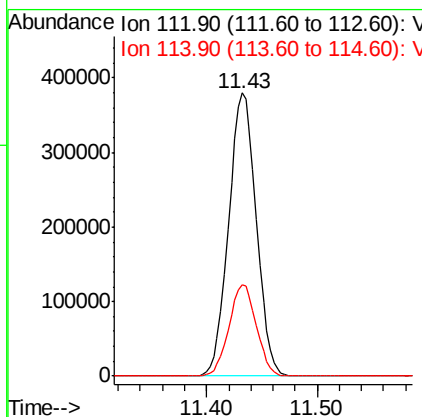
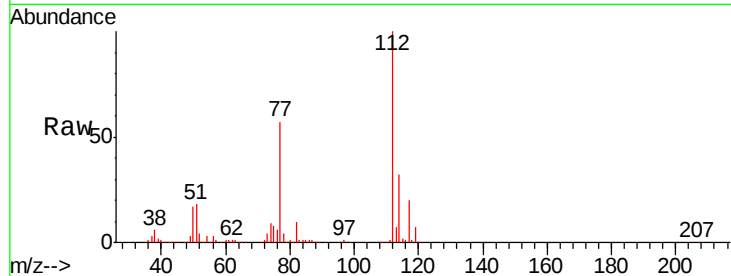
#65
Chlorobenzene
Concen: 21.441 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 658517
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

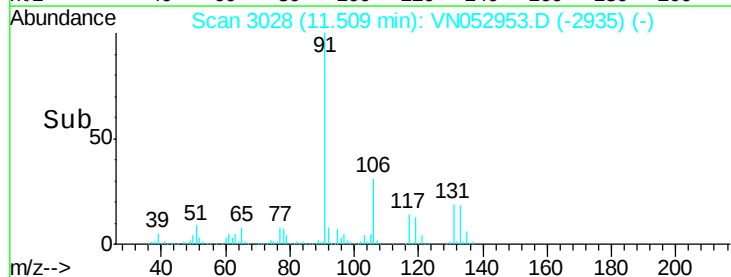
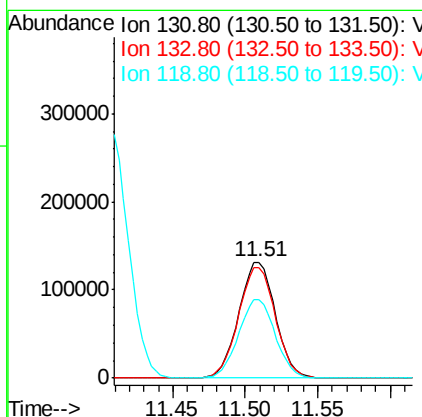
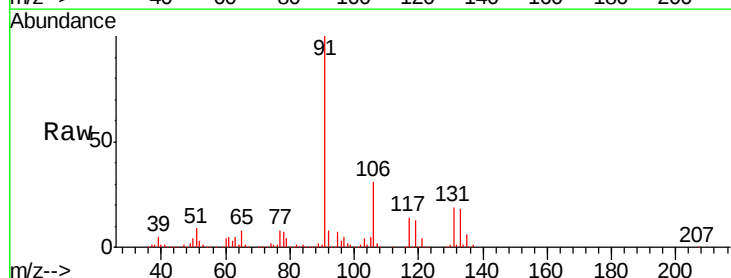
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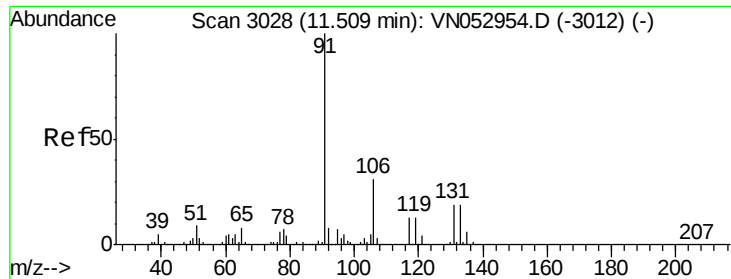
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.578 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion:131 Resp: 230484
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 68.4 33.3 99.8





#67

Ethyl Benzene

Concen: 21.489 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 1133401

Ion Ratio Lower Upper

91 100

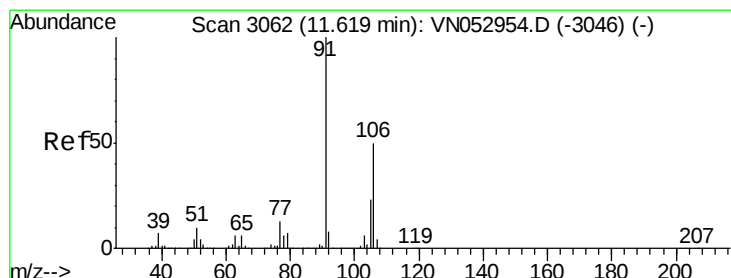
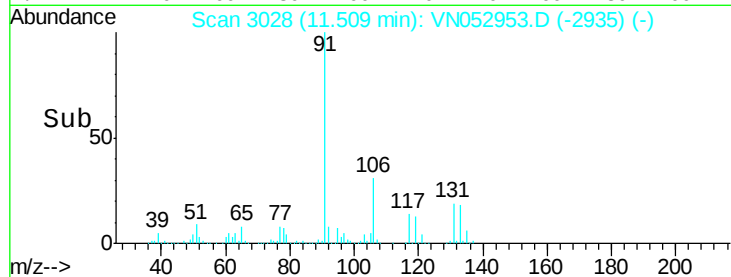
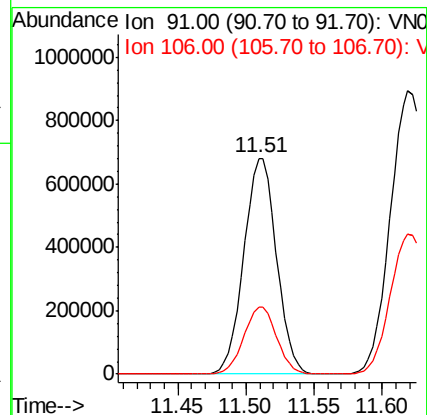
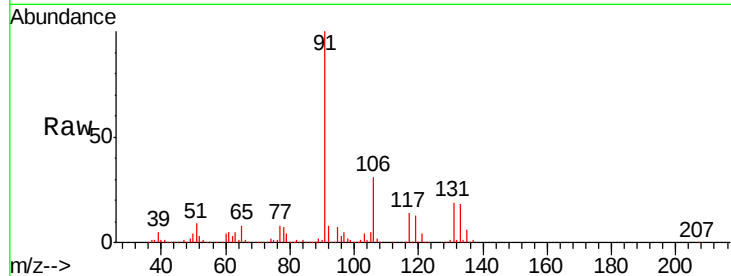
106 31.3 24.9 37.3

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#68

m/p-Xylenes

Concen: 43.790 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052953.D

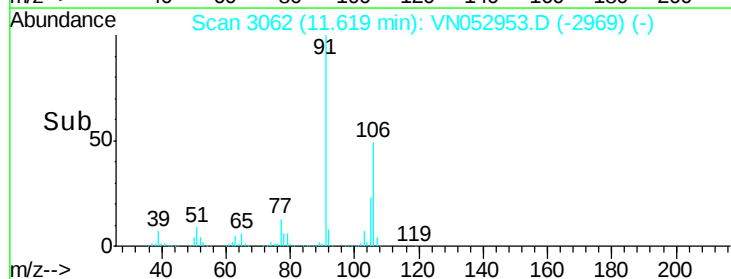
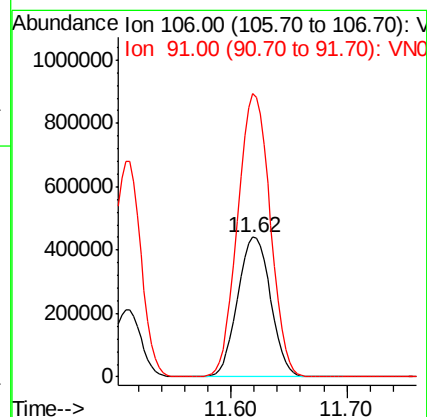
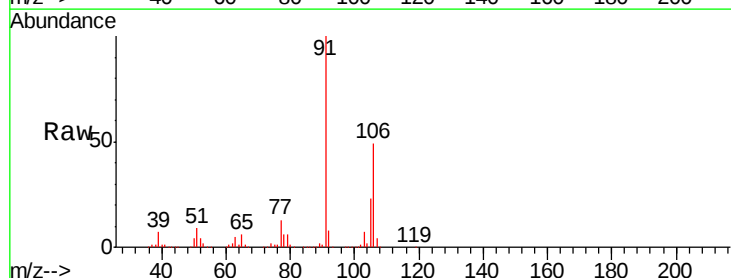
Acq: 18 Dec 2018 11:22

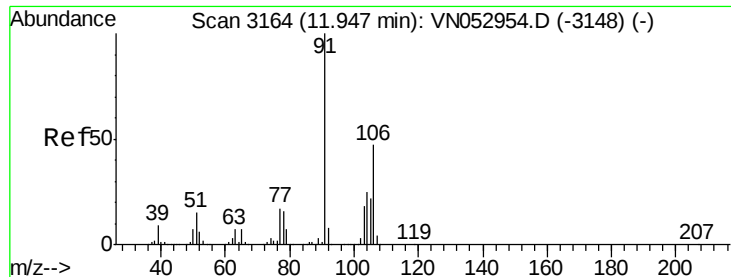
Tgt Ion: 106 Resp: 867254

Ion Ratio Lower Upper

106 100

91 200.0 162.2 243.4





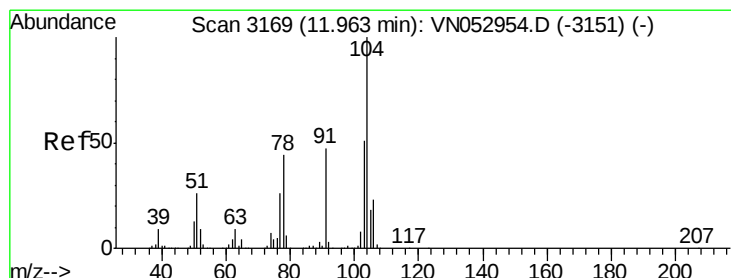
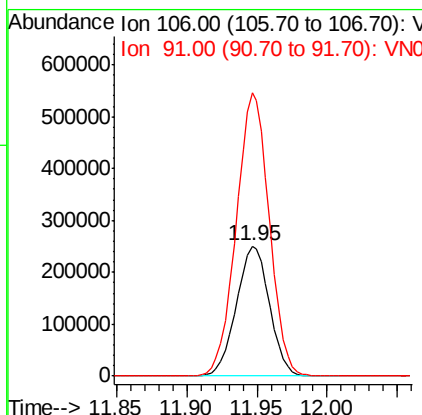
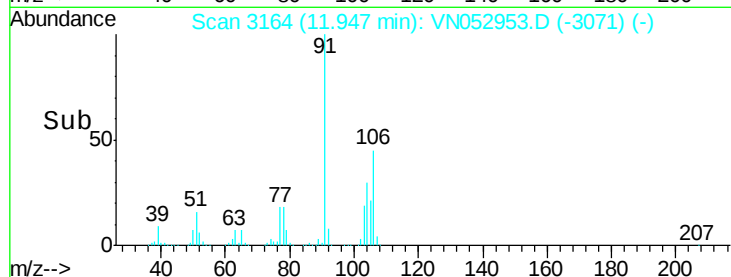
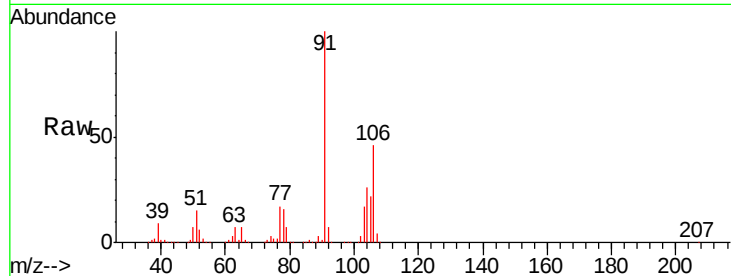
#69
o-Xylene
Concen: 21.347 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 412832
Ion Ratio Lower Upper
106 100
91 216.4 106.6 319.8

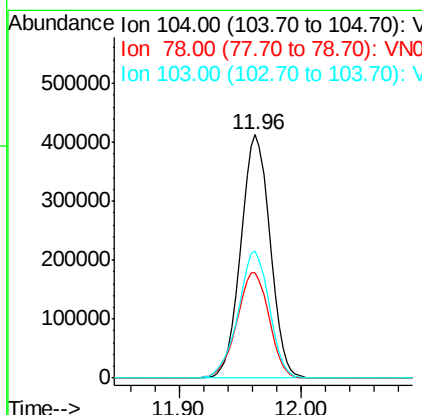
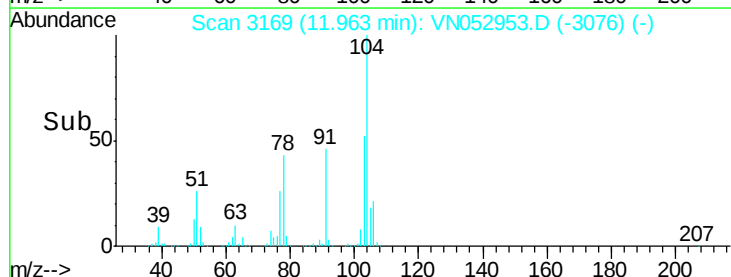
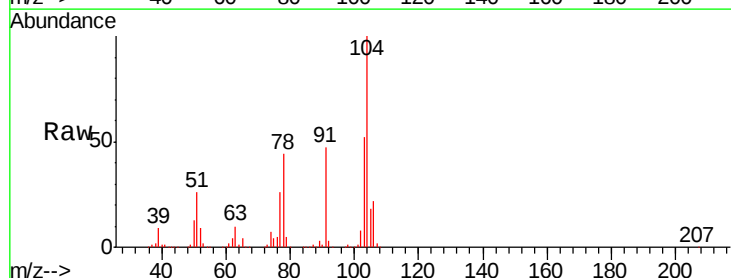
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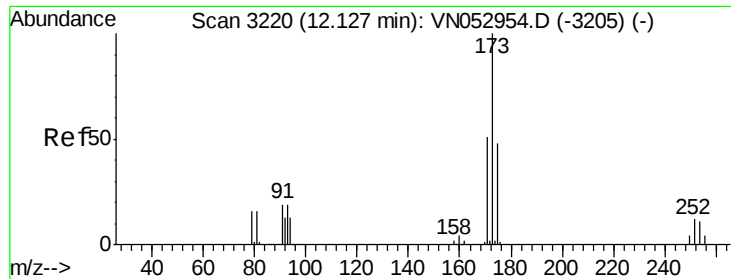
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#70
Styrene
Concen: 21.909 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion:104 Resp: 681108
Ion Ratio Lower Upper
104 100
78 48.1 38.9 58.3
103 55.7 44.3 66.5





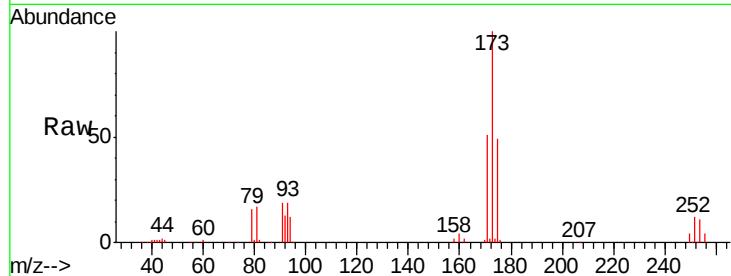
#71
Bromoform
Concen: 22.501 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

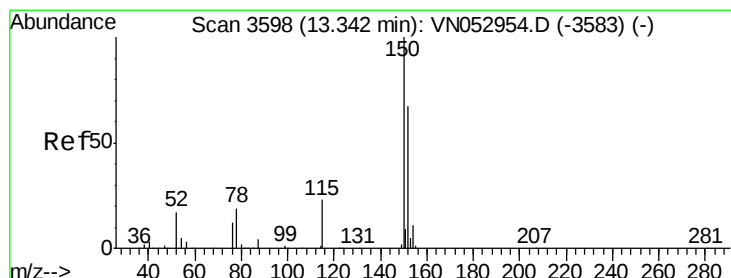
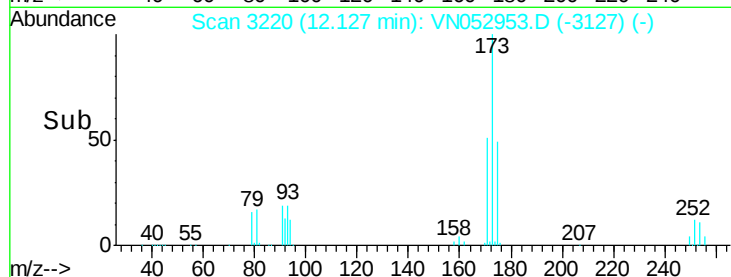
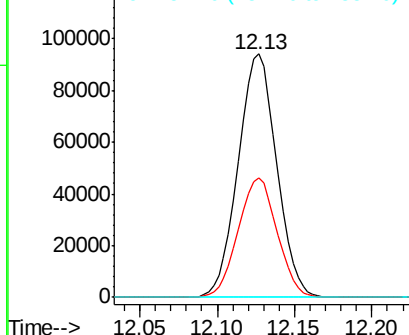
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.9
254	0.1	0.1	0.1

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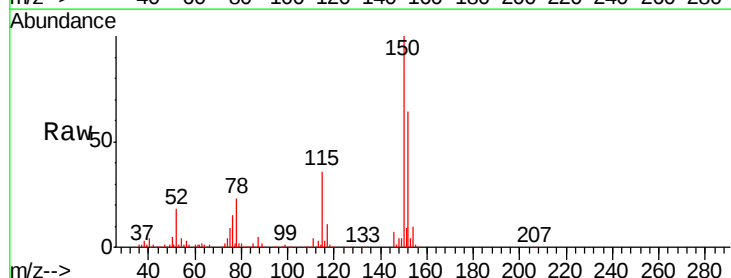


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

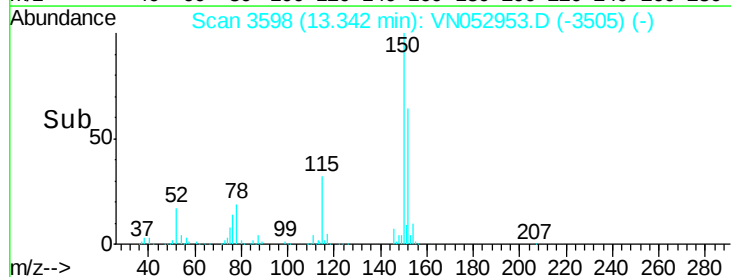
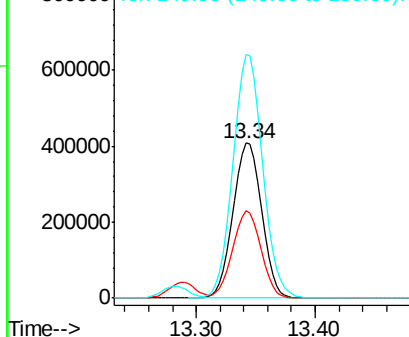


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.3	85.0
150	162.1	0.0	347.8



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: 21.842 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 1114456

Ion Ratio Lower Upper

105 100

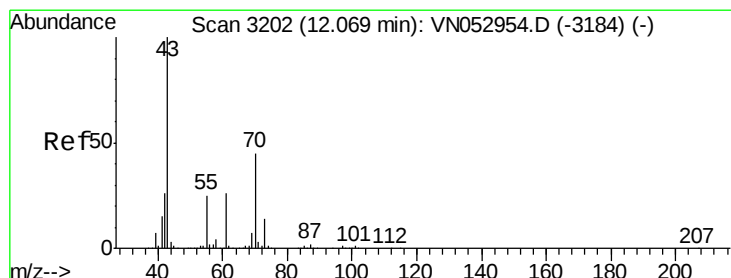
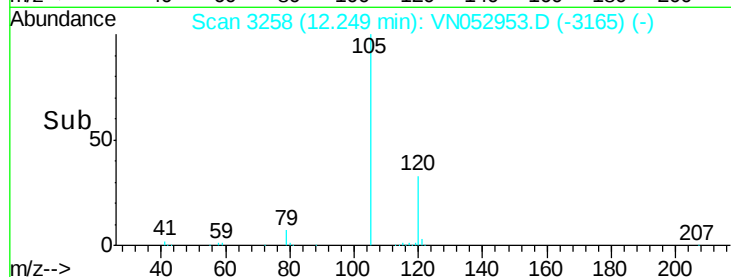
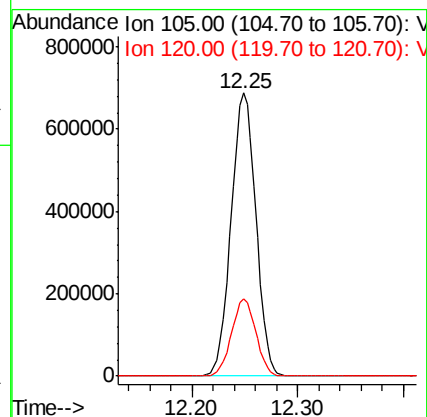
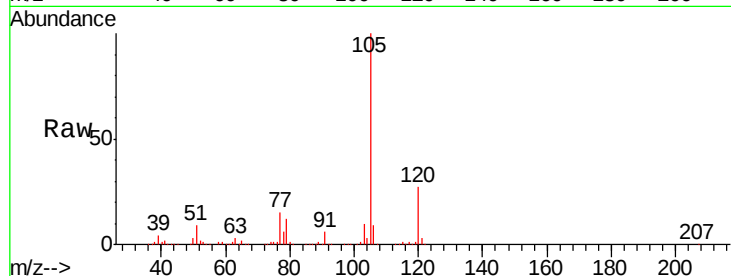
120 27.0 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.919 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion: 43 Resp: 307041

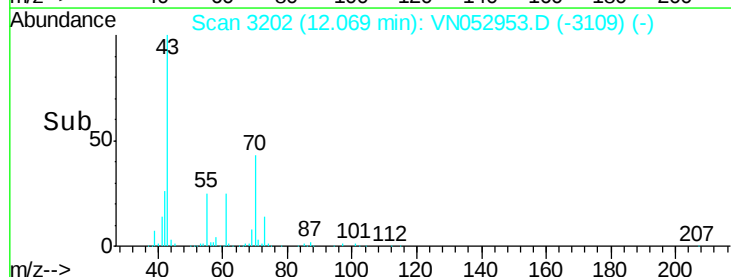
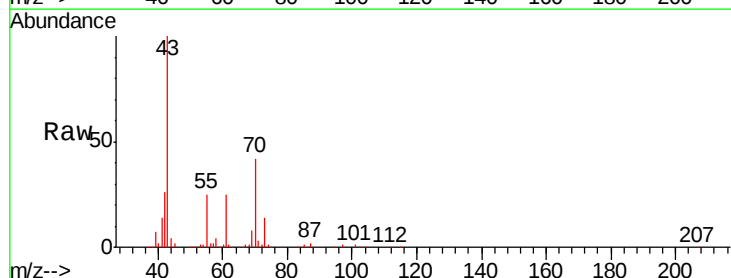
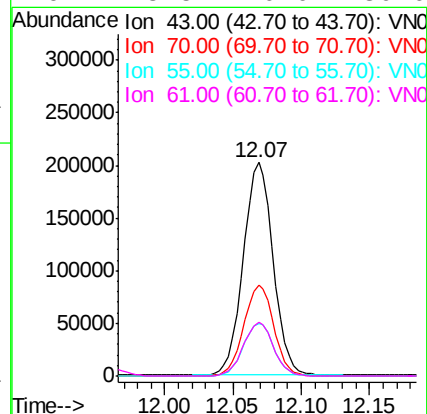
Ion Ratio Lower Upper

43 100

70 43.1 34.2 51.4

55 25.5 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.529 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 211886
Ion Ratio Lower Upper

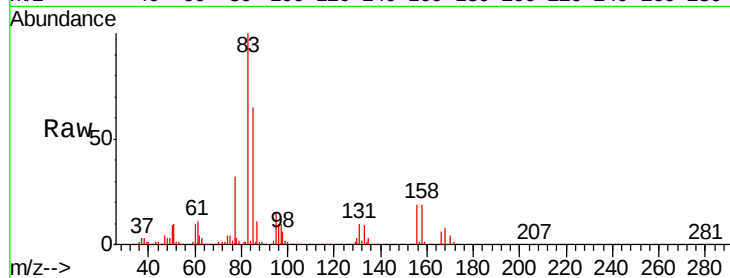
83 100

131 10.7 5.2 15.6

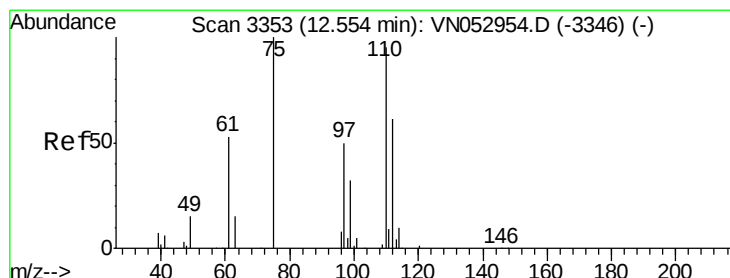
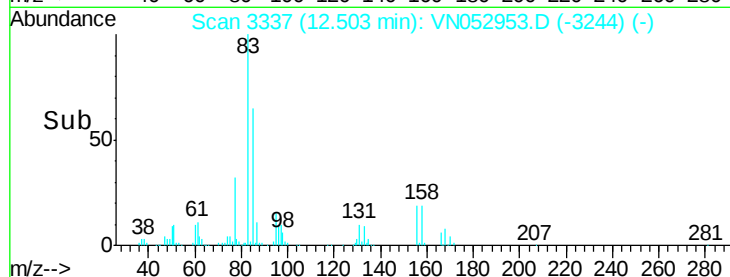
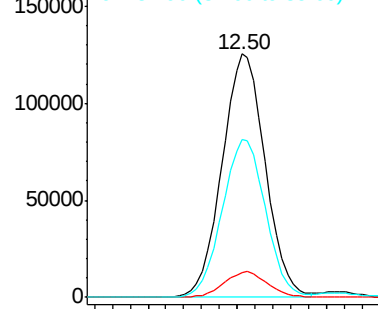
85 65.1 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN052953.D (-3322) (-)
Ion 130.80 (130.50 to 131.50): VN052953.D (-3322) (-)
Ion 84.90 (84.60 to 85.60): VN052953.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 23.980 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

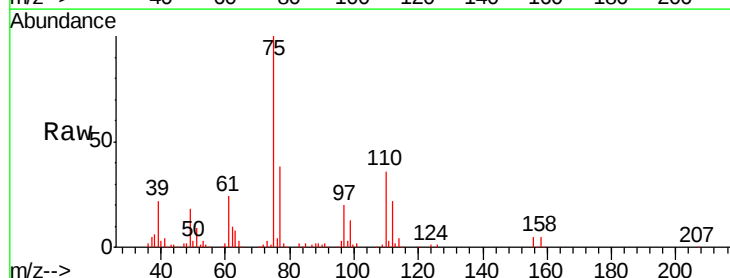
Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

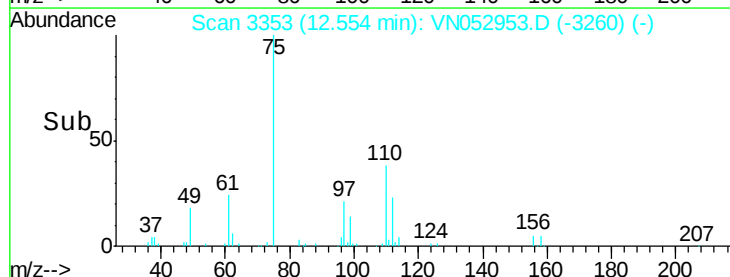
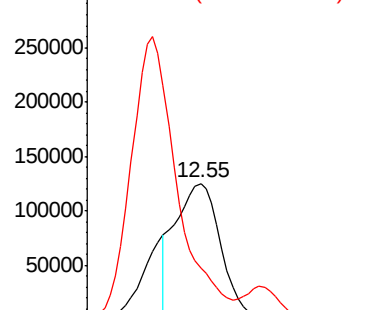
Tgt Ion: 75 Resp: 241781
Ion Ratio Lower Upper

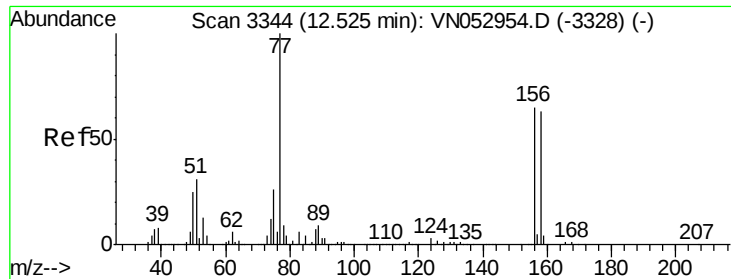
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052953.D (-3353) (-)
Ion 77.00 (76.70 to 77.70): VN052953.D (-3353) (-)





#77

Bromobenzene

Concen: 21.755 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

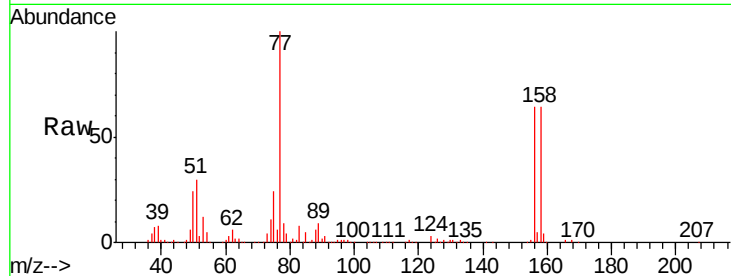
ClientSampleId :

VSTDIC020

Tgt Ion:	156	Resp:	282331
Ion Ratio	Lower	Upper	
156	100		
77	179.3	91.3	273.8
158	98.9	49.0	147.2

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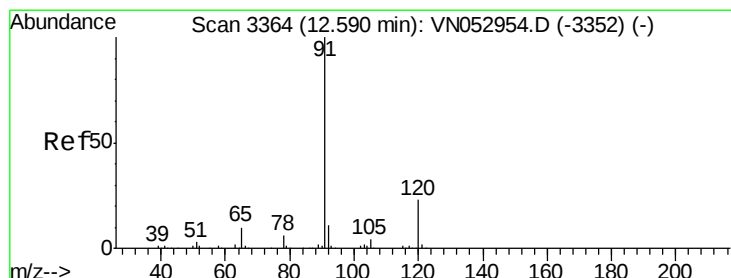
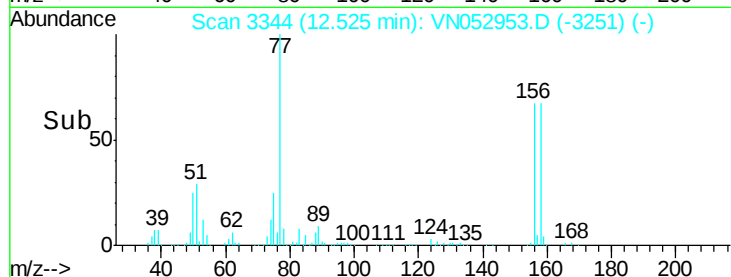
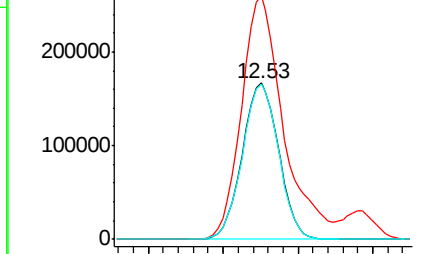
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.512 ug/l

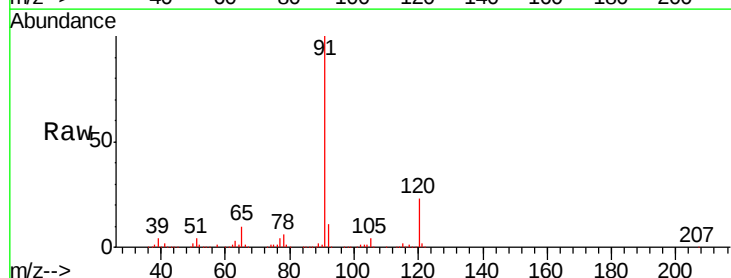
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052953.D

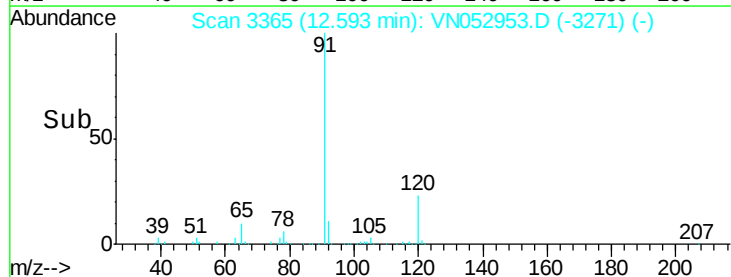
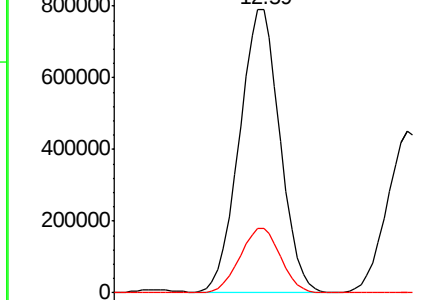
Acq: 18 Dec 2018 11:22

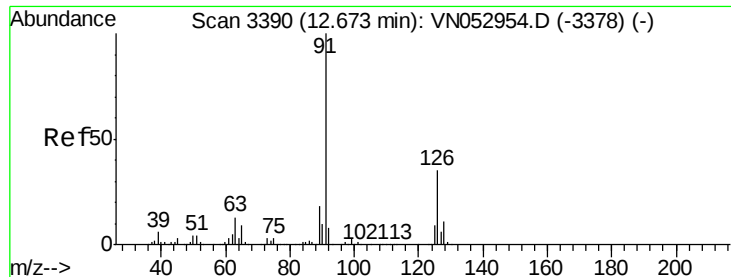
Tgt Ion:	91	Resp:	1251843
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.562 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 741790

Ion Ratio Lower Upper

91 100

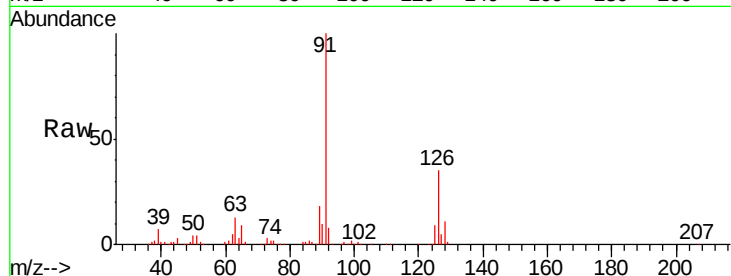
126 35.2 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052953.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN052953.D (-3390) (-)

600000

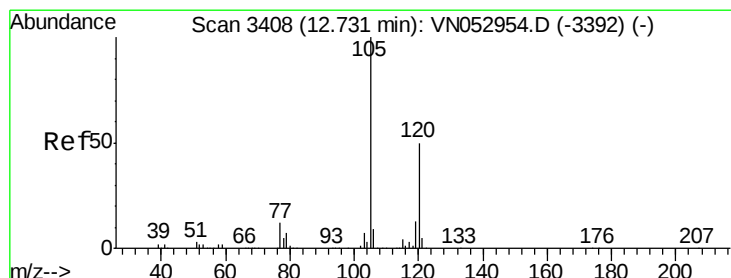
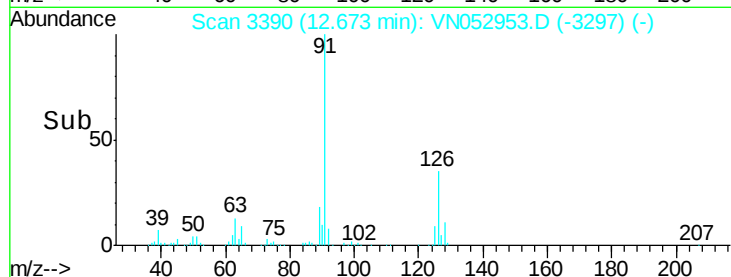
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.595 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052953.D

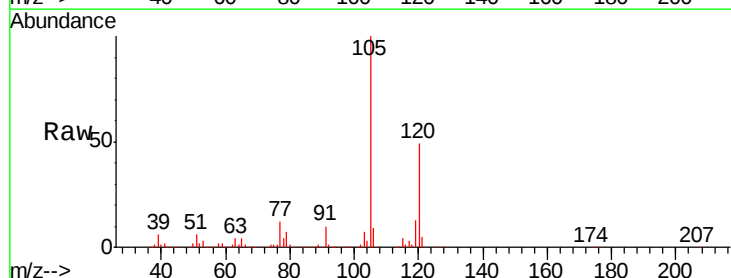
Acq: 18 Dec 2018 11:22

Tgt Ion: 105 Resp: 889454

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052953.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN052953.D (-3408) (-)

600000

500000

400000

300000

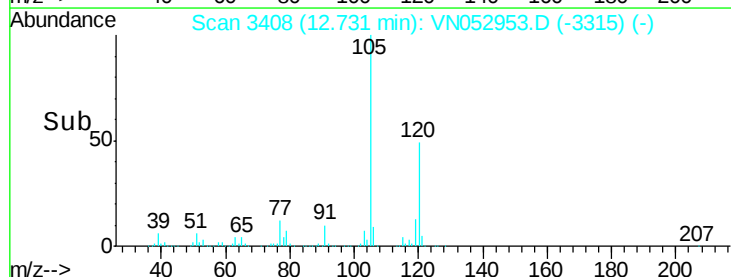
200000

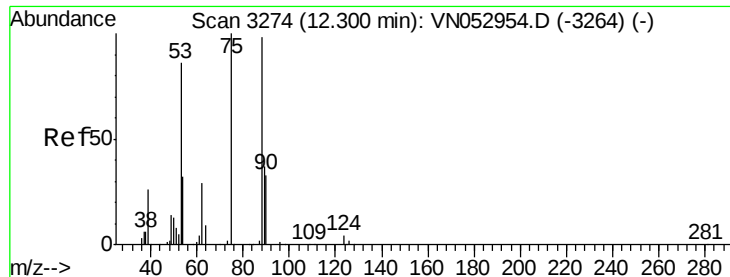
100000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 23.475 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 73676

Ion Ratio Lower Upper

75 100

53 87.3 74.7 112.1

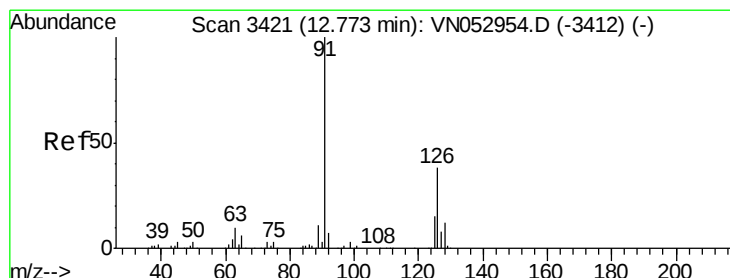
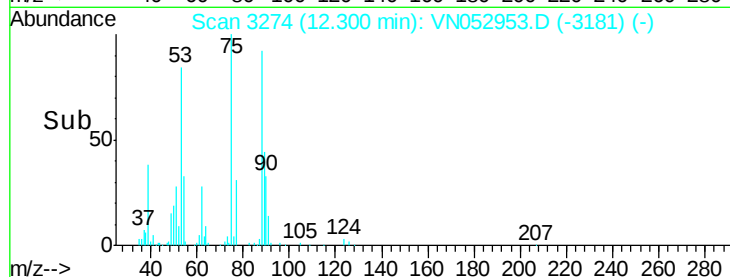
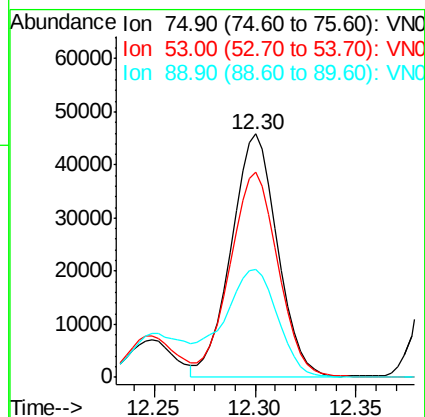
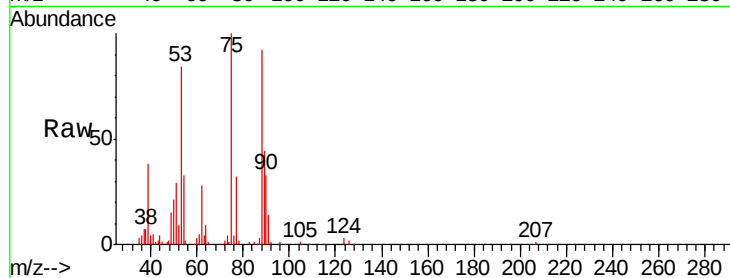
89 51.1 36.1 54.1

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.202 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052953.D

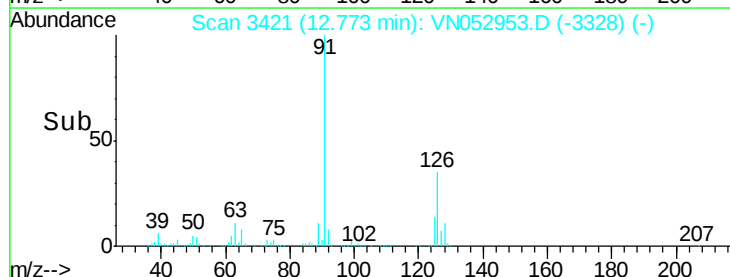
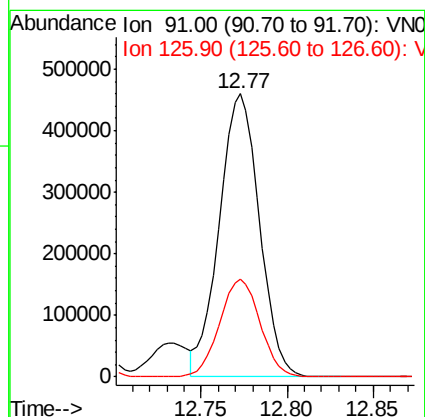
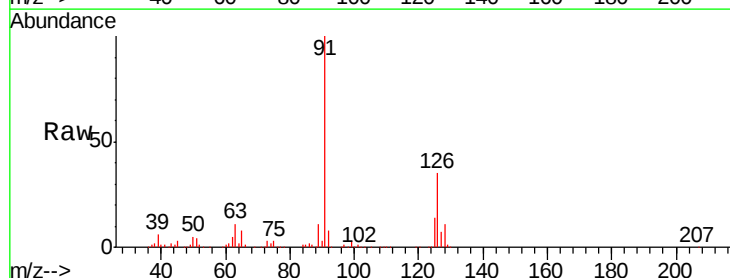
Acq: 18 Dec 2018 11:22

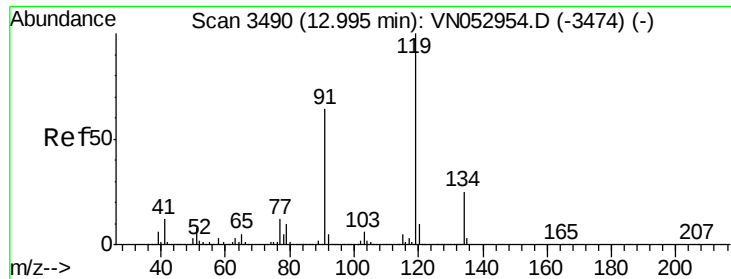
Tgt Ion: 91 Resp: 745741

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7





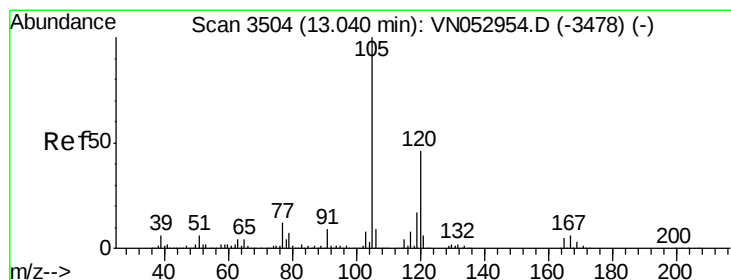
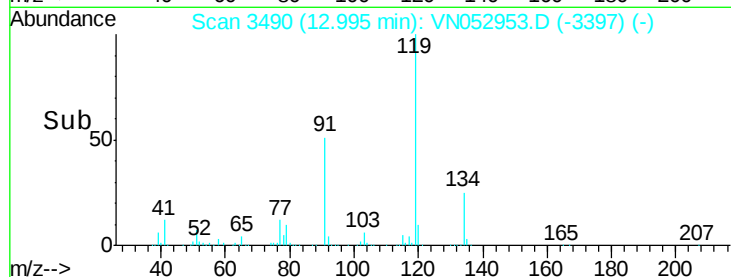
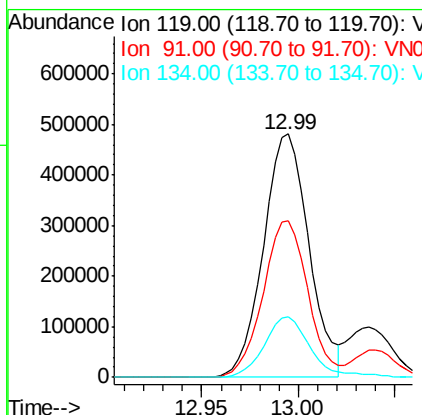
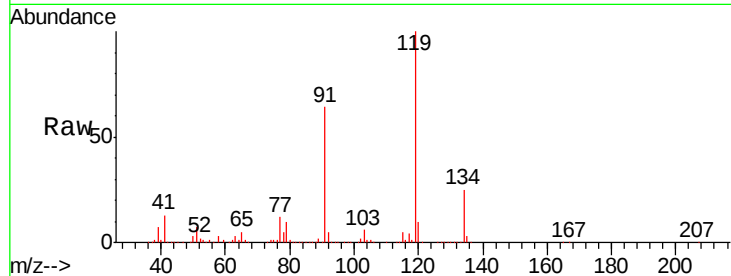
#83
 tert-Butylbenzene
 Concen: 21.711 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.9	95.5
134	25.3	12.8	38.4

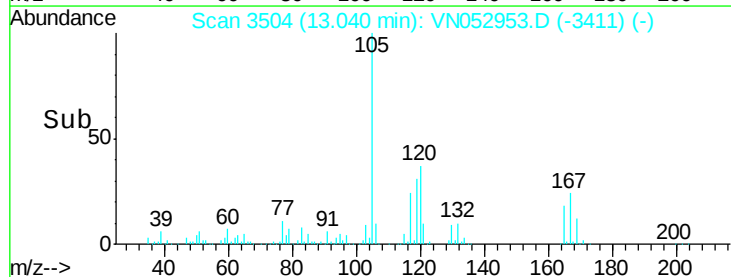
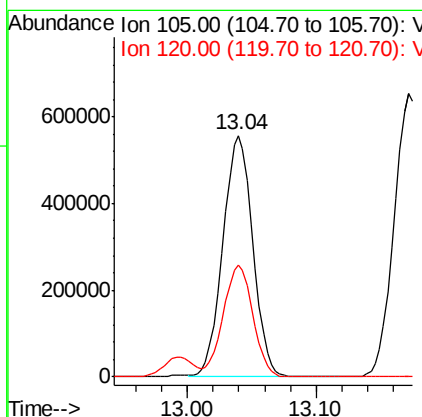
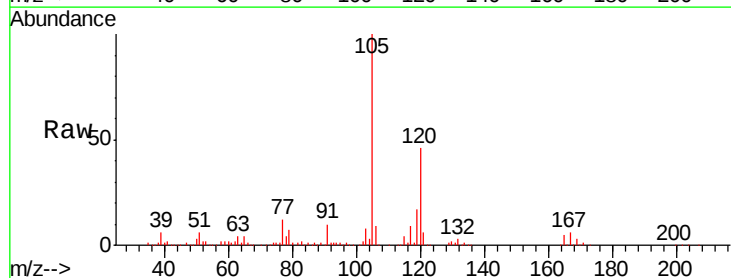
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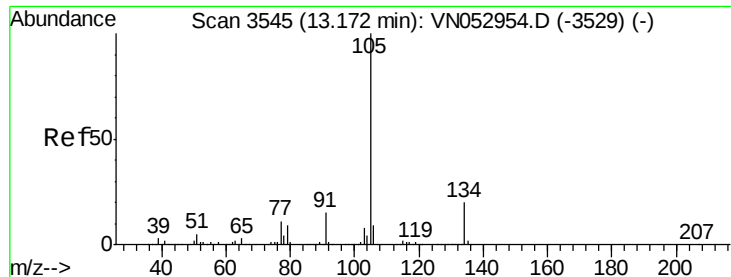
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.378 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





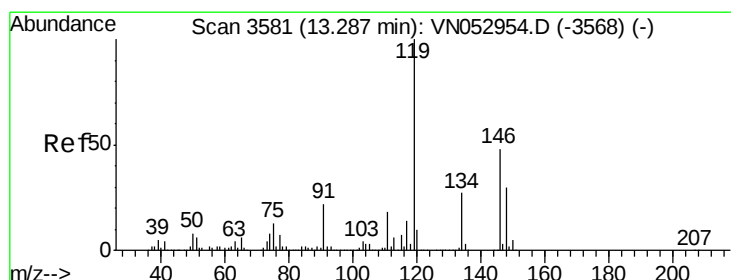
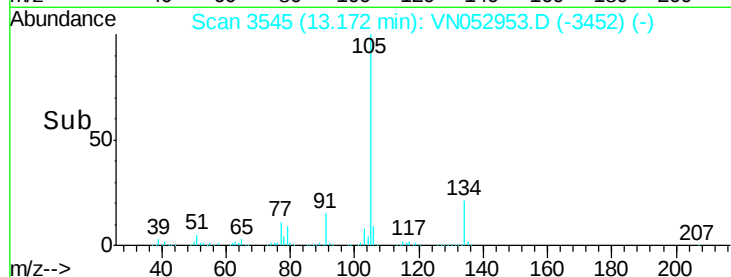
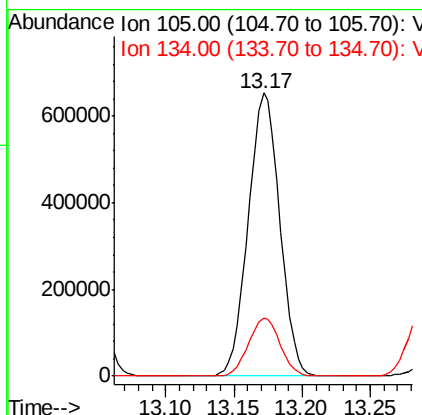
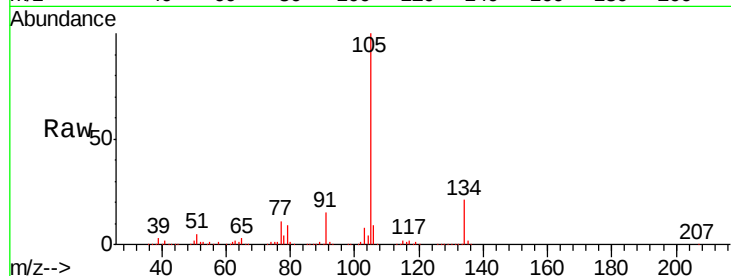
#85
 sec-Butylbenzene
 Concen: 21.249 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 1045582
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.1 30.3

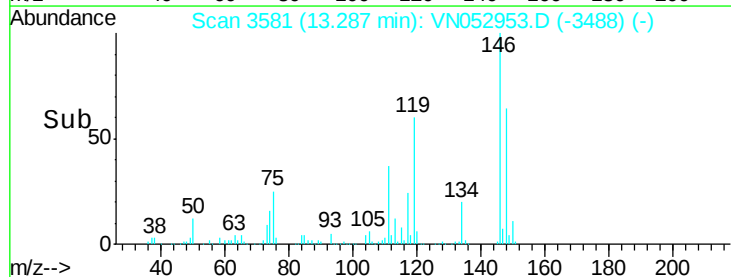
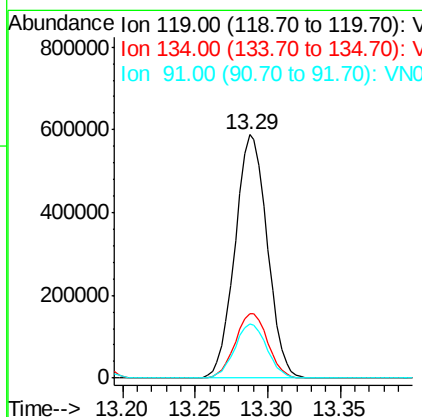
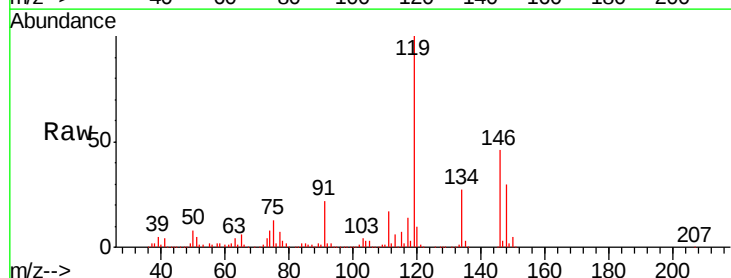
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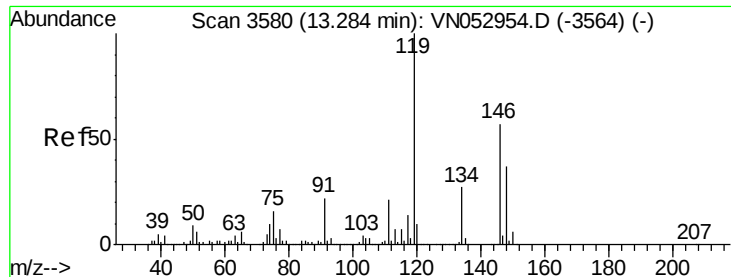
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#86
 p-Isopropyltoluene
 Concen: 21.238 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion:119 Resp: 905379
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 21.104 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Instrument :

MSVOA_N

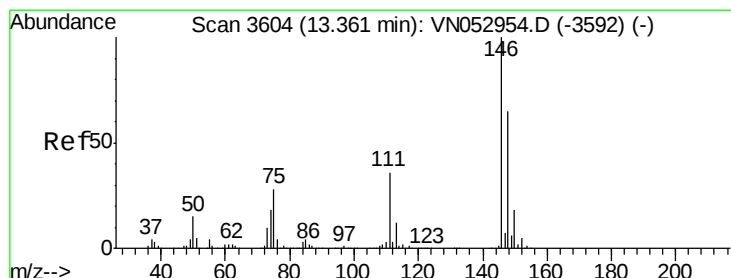
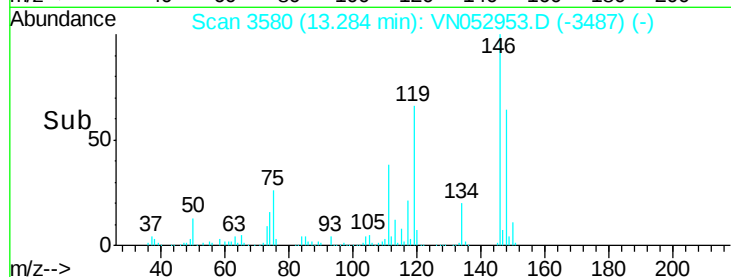
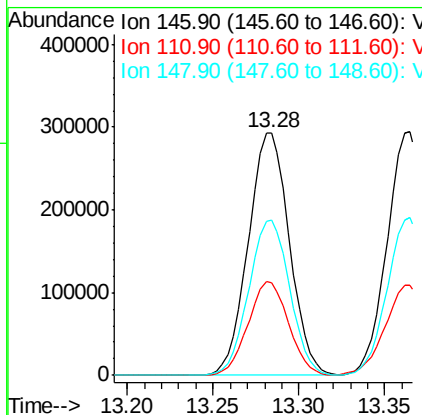
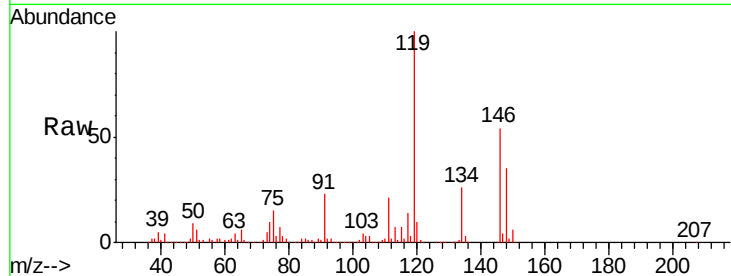
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	486705
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.1	57.1
148	64.0	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 21.176 ug/l

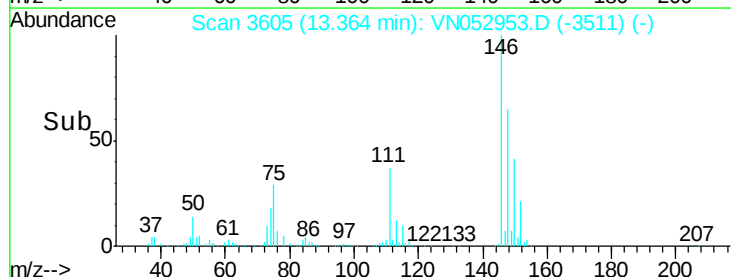
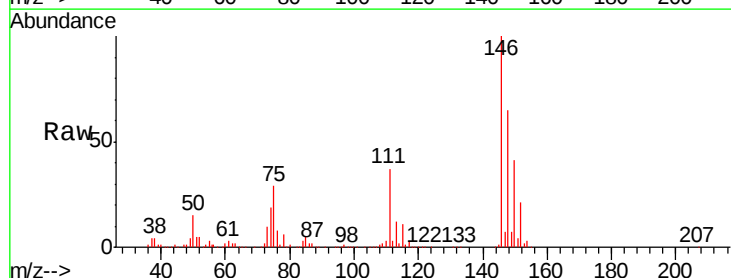
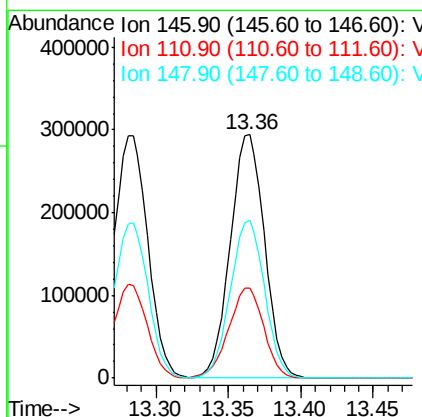
RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052953.D

Acq: 18 Dec 2018 11:22

Tgt Ion:	146	Resp:	483629
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.8
148	64.8	32.1	96.5





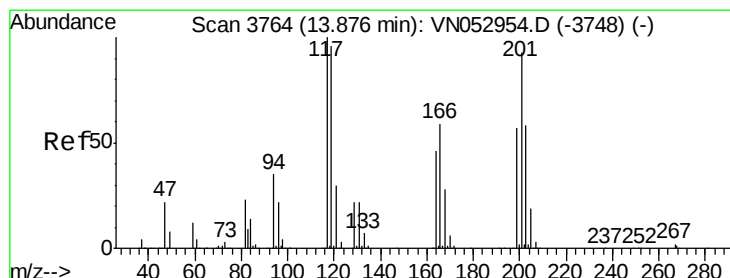
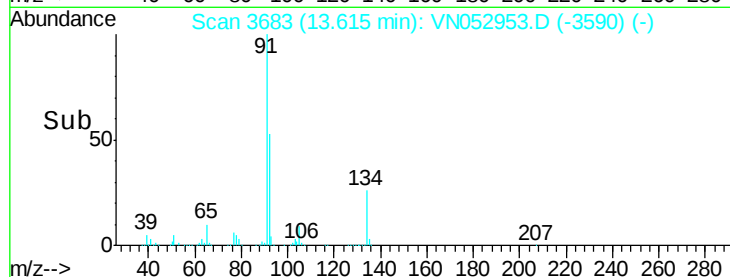
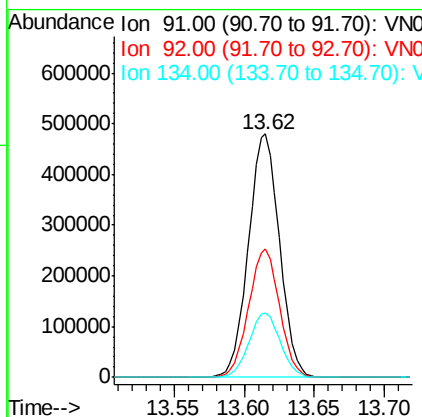
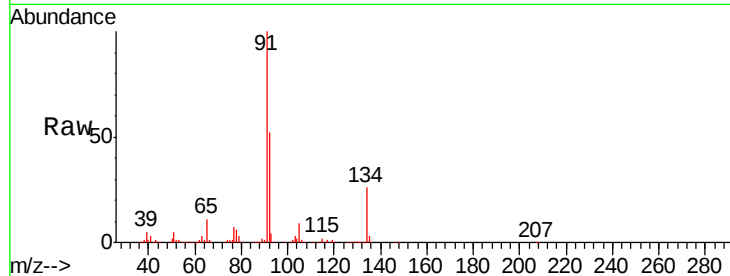
#89
n-Butylbenzene
Concen: 20.589 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	26.6	13.3	39.8

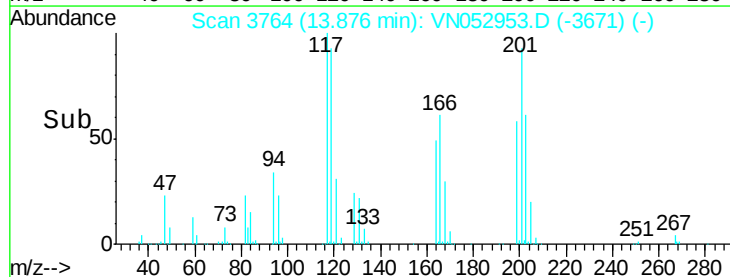
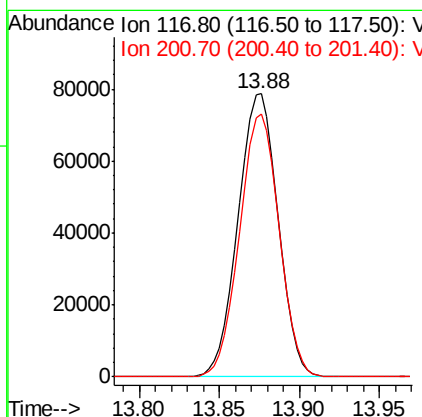
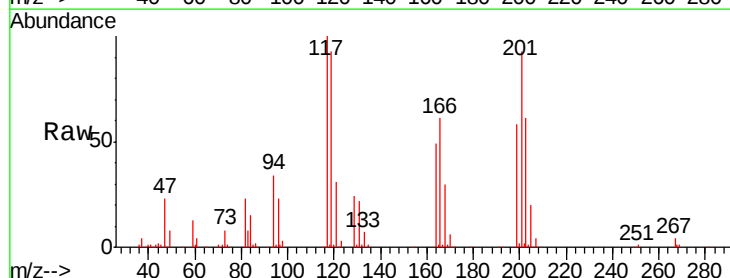
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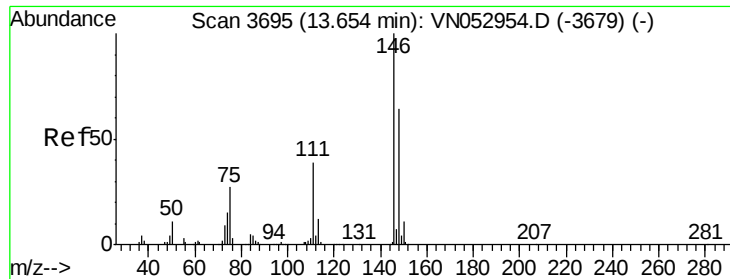
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#90
Hexachloroethane
Concen: 18.796 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.7	137.1





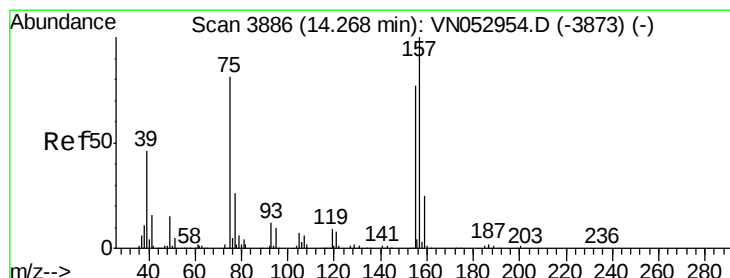
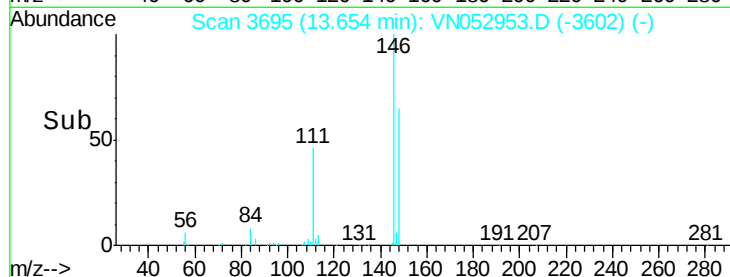
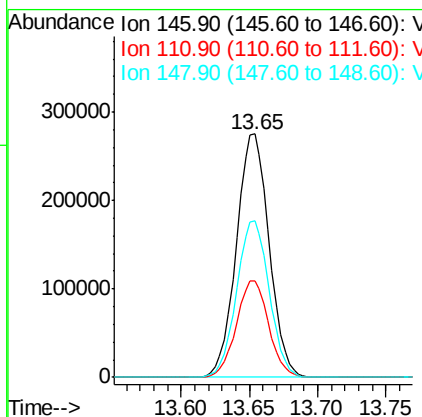
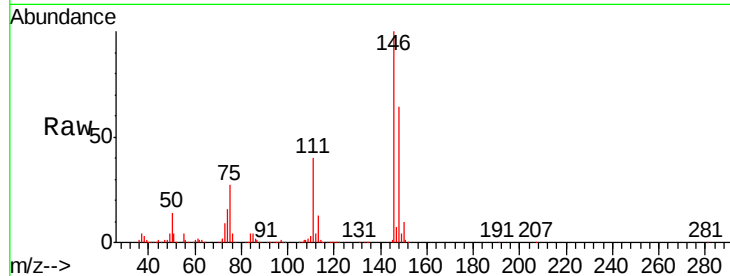
#91
 1,2-Dichlorobenzene
 Concen: 20.599 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	456986		
111	39.3	19.7	59.0	
148	64.3	32.0	96.0	

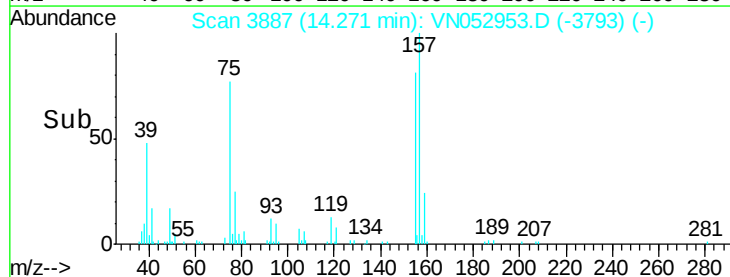
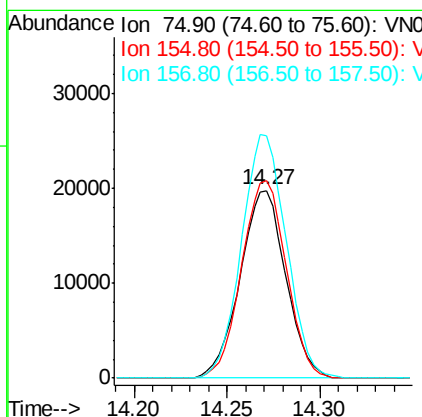
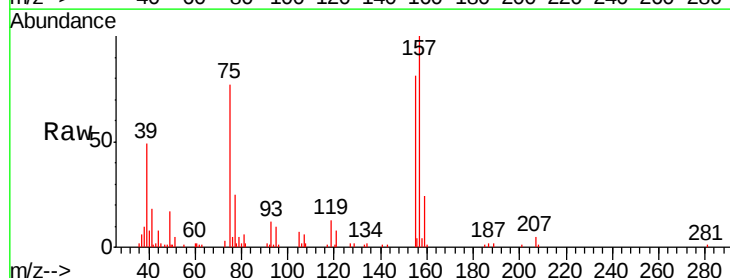
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.603 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33791		
155	103.1	48.2	144.6	
157	127.7	61.2	183.5	





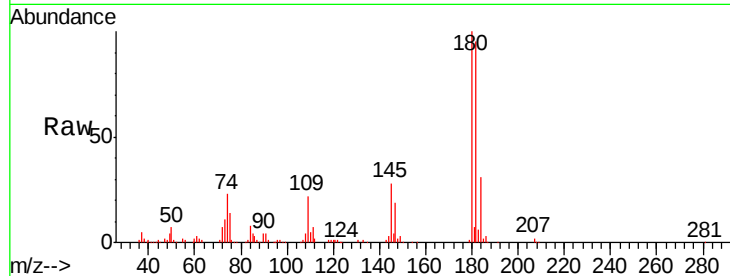
#93
 1,2,4-Trichlorobenzene
 Concen: 19.256 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

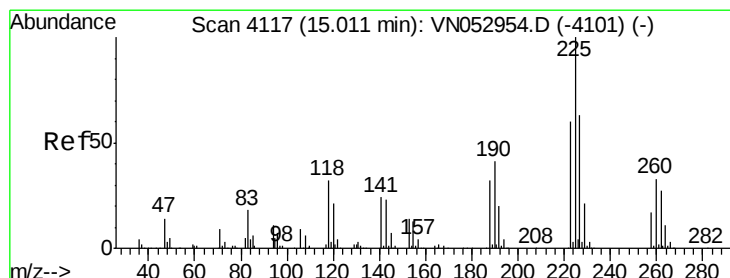
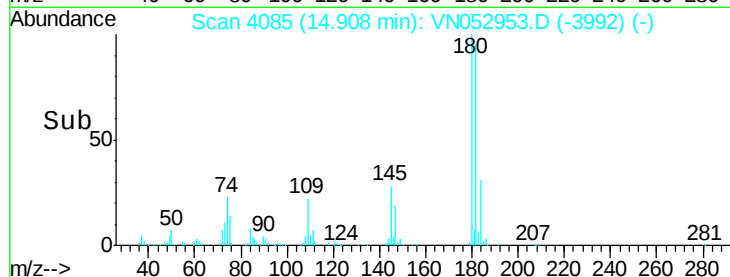
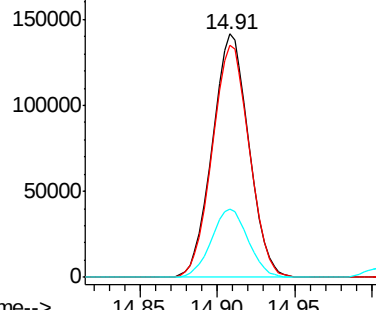
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	28.1	14.2	42.6

Manual Integrations
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MMDadoda
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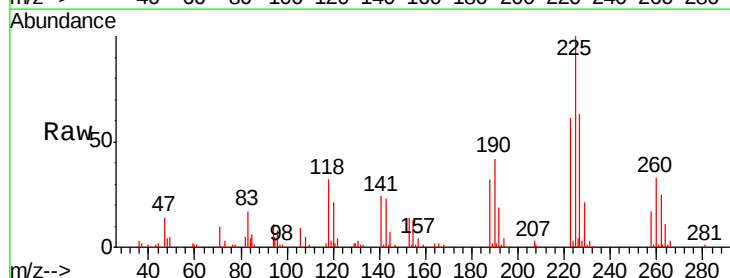


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

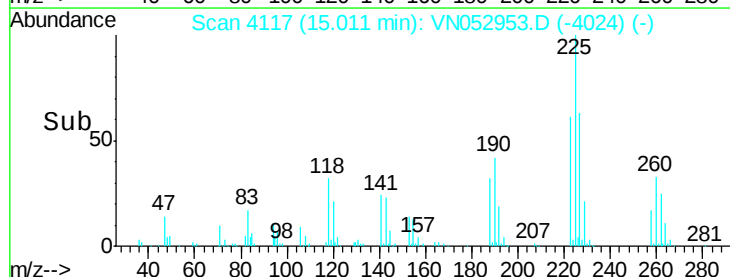
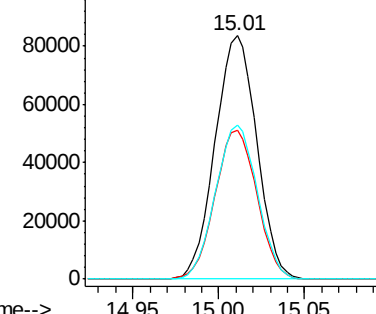


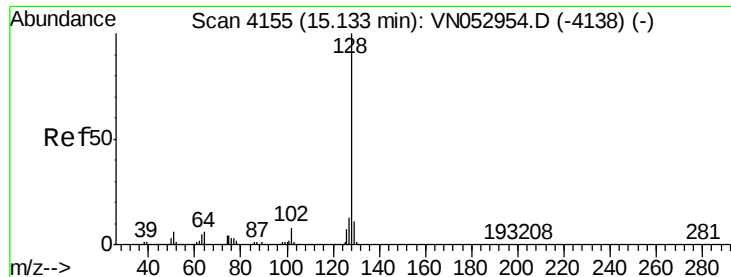
#94
 Hexachlorobutadiene
 Concen: 20.168 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052953.D
 Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.5	94.5
227	63.5	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





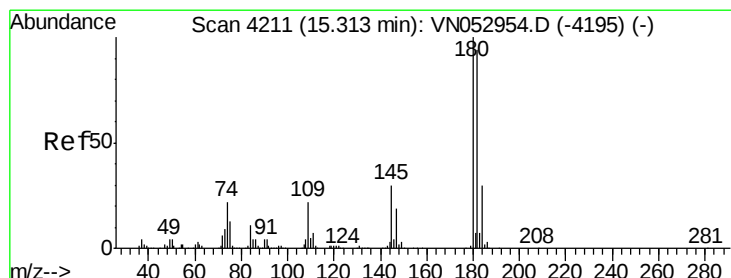
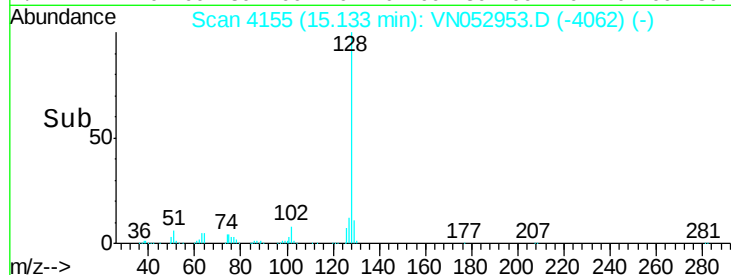
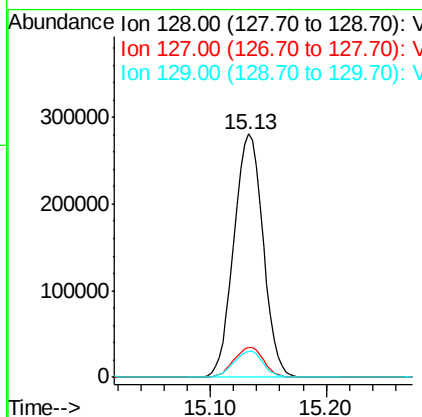
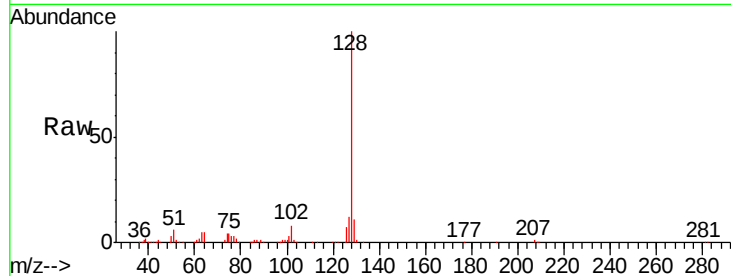
#95
Naphthalene
Concen: 19.629 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.919 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052953.D
Acq: 18 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.7
145	29.8	15.0	45.0

