

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
 Data File : VN049213.D
 Acq On : 13 Jun 2018 21:01
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 6/14/2018 5:07:17 PM

Quant Time: Jun 14 04:39:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	813132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1279891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1168966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	539521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	272722	20.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.82%	
35) Dibromofluoromethane	7.59	113	225905	21.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.76%	
50) Toluene-d8	10.09	98	857400	21.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.08%	
62) 4-Bromofluorobenzene	12.40	95	271212	20.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	222501	18.61	ug/l	98
3) Chloromethane	2.06	50	230177	18.79	ug/l	97
4) Vinyl Chloride	2.18	62	234252	19.15	ug/l	99
5) Bromomethane	2.57	94	118620	17.67	ug/l	94
6) Chloroethane	2.71	64	155865	19.84	ug/l	96
7) Trichlorofluoromethane	3.02	101	327763	19.60	ug/l	100
8) Diethyl Ether	3.41	74	127359	21.82	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	225423	22.18	ug/l	98
10) Methyl Iodide	3.95	142	212047	21.76	ug/l	96
11) Tert butyl alcohol	4.80	59	70678	96.35	ug/l	99
12) 1,1-Dichloroethene	3.73	96	206482	22.09	ug/l	98
13) Acrolein	3.61	56	103937	153.70	ug/l	99
14) Allyl chloride	4.32	41	380605	21.31	ug/l	90
15) Acrylonitrile	4.99	53	401238	101.68	ug/l	99
16) Acetone	3.82	43	304798	99.55	ug/l	94
17) Carbon Disulfide	4.05	76	669804	21.66	ug/l	99
18) Methyl Acetate	4.33	43	210347	21.29	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	560155	20.23	ug/l	98
20) Methylene Chloride	4.55	84	248415	21.81	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	220308	20.67	ug/l	98
22) Diisopropyl ether	5.96	45	788283	20.76	ug/l	99
23) Vinyl Acetate	5.90	43	2559762	98.92	ug/l	99
24) 1,1-Dichloroethane	5.85	63	460193	21.26	ug/l	99
25) 2-Butanone	6.84	43	442600	95.30	ug/l	98
26) 2,2-Dichloropropane	6.83	77	336094	19.62	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	248211	20.81	ug/l	98
28) Bromochloromethane	7.20	49	210186	22.29	ug/l	98
29) Tetrahydrofuran	7.22	42	289448	97.18	ug/l	99
30) Chloroform	7.37	83	436759	20.76	ug/l	99
31) Cyclohexane	7.65	56	401941	20.15	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	370390	20.61	ug/l	99
36) 1,1-Dichloropropene	7.80	75	330634	20.65	ug/l	100
37) Ethyl Acetate	6.93	43	216653	21.10	ug/l	99
38) Carbon Tetrachloride	7.77	117	328889	20.92	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	329070	19.67	ug/l	98
40) Benzene	8.04	78	1002090	20.89	ug/l	98
41) Methacrylonitrile	7.19	41	115924m	20.51	ug/l	
42) 1,2-Dichloroethane	8.13	62	325042	20.82	ug/l	98
43) Isopropyl Acetate	8.17	43	378115	19.30	ug/l	99
44) Trichloroethene	8.84	130	240073	20.44	ug/l	98
45) 1,2-Dichloropropane	9.12	63	274958	20.93	ug/l	100
46) Dibromomethane	9.21	93	147342	20.13	ug/l	97
47) Bromodichloromethane	9.40	83	330894	20.38	ug/l	97
48) Methyl methacrylate	9.20	41	181264	19.39	ug/l	96
49) 1,4-Dioxane	9.20	88	40649	387.26	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1016471	98.23	ug/l	99
52) Toluene	10.16	92	580541	20.19	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	313560	19.36	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	372639	19.81	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	209473	20.44	ug/l	98
56) Ethyl methacrylate	10.43	69	254224	19.10	ug/l	94
57) 1,3-Dichloropropane	10.71	76	363189	20.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	406323	92.32	ug/l	100
59) 2-Hexanone	10.75	43	627209	94.17	ug/l	99
60) Dibromochloromethane	10.90	129	231702	20.25	ug/l	99
61) 1,2-Dibromoethane	11.01	107	194062	20.23	ug/l	99
64) Tetrachloroethene	10.63	164	244551	21.63	ug/l	98
65) Chlorobenzene	11.44	112	600118	19.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229770	20.47	ug/l	100
67) Ethyl Benzene	11.51	91	1057707	19.77	ug/l	99
68) m/p-Xylenes	11.63	106	806572	40.55	ug/l	100
69) o-Xylene	11.95	106	388094	20.30	ug/l	98
70) Styrene	11.97	104	616624	20.07	ug/l	99
71) Bromoform	12.13	173	144592	19.69	ug/l #	100
73) Isopropylbenzene	12.25	105	1023719	20.47	ug/l	99
74) N-amyl acetate	12.07	43	285100	19.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	247702	20.29	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	207155m	19.94	ug/l	
77) Bromobenzene	12.53	156	244592	20.82	ug/l	99
78) n-propylbenzene	12.59	91	1178951	20.63	ug/l	99
79) 2-Chlorotoluene	12.68	91	725325	20.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	834377	20.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62641	19.23	ug/l	98
82) 4-Chlorotoluene	12.78	91	708706	20.75	ug/l	100
83) tert-Butylbenzene	12.99	119	687706	20.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	844278	20.92	ug/l	100
85) sec-Butylbenzene	13.17	105	948005	20.67	ug/l	99
86) p-Isopropyltoluene	13.29	119	773212	20.28	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	412729	20.40	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	402030	20.51	ug/l	99
89) n-Butylbenzene	13.62	91	590585	19.15	ug/l	100
90) Hexachloroethane	13.88	117	164727	20.19	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410065	21.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37827	21.45	ug/l	97

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ClientSampleId :
VSTDICC020

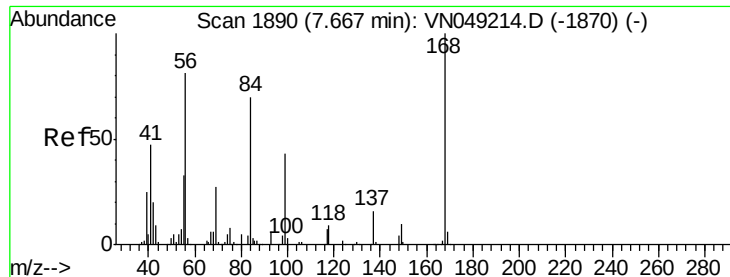
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	129234	16.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	121827	20.76	ug/l	98
95) Naphthalene	15.14	128	263900	15.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145880	18.61	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 813132

Ion Ratio Lower Upper

168 100

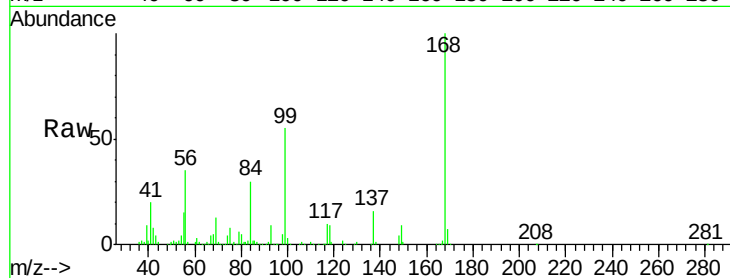
99 54.5 45.8 68.6

Manual Integrations

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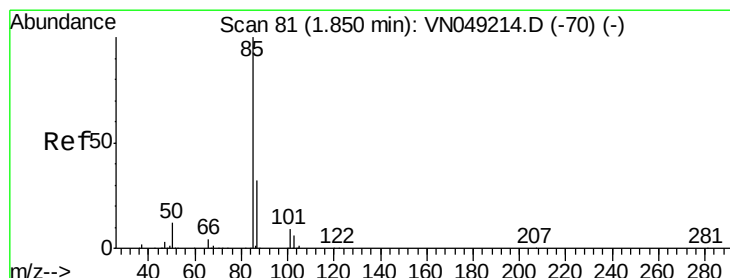
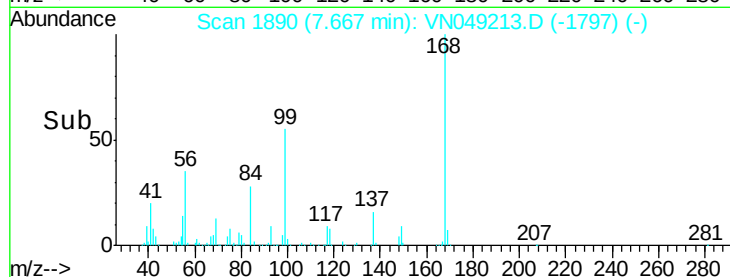
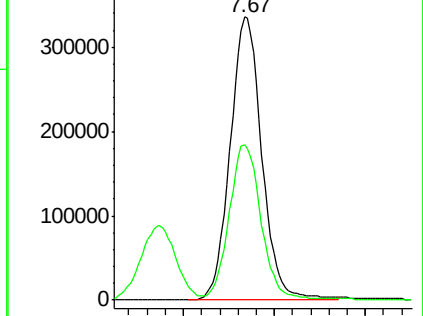
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.61 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049213.D

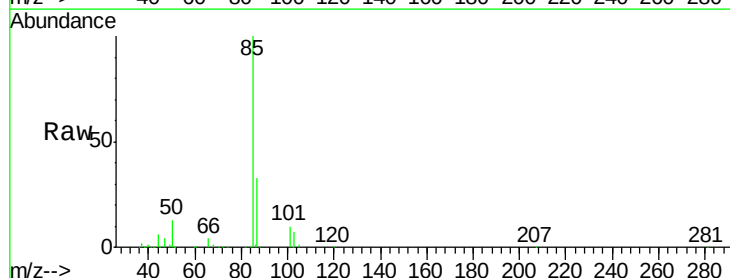
Acq: 13 Jun 2018 21:01

Tgt Ion: 85 Resp: 222501

Ion Ratio Lower Upper

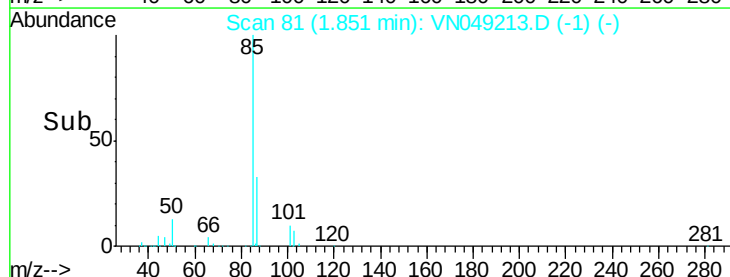
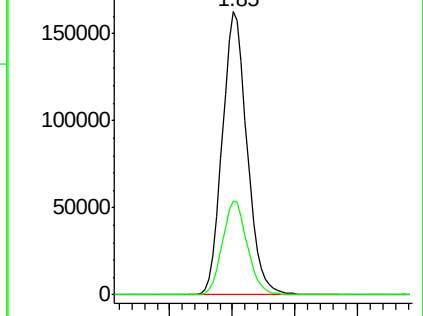
85 100

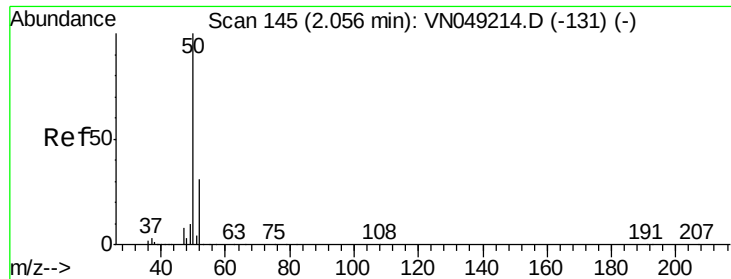
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 230177

Ion Ratio Lower Upper

50 100

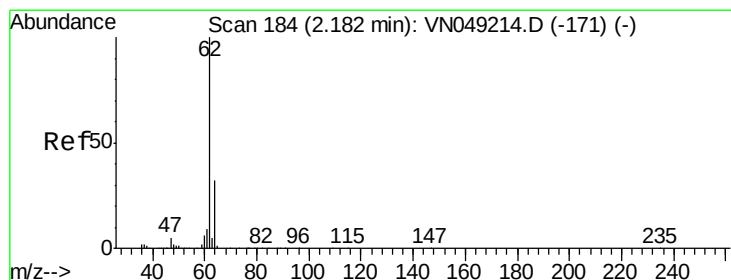
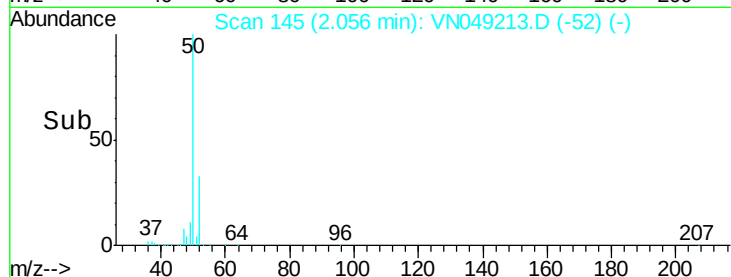
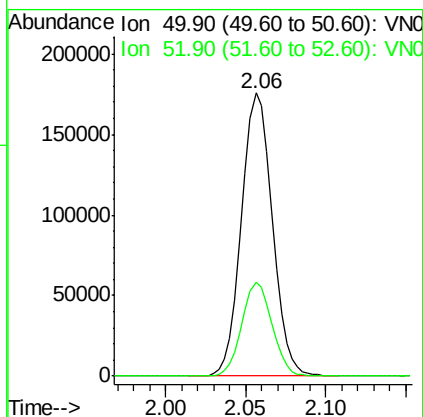
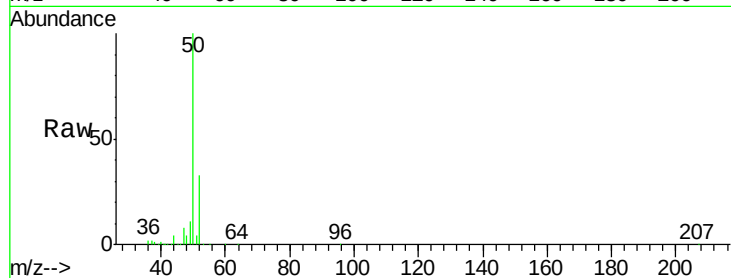
52 33.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 19.15 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049213.D

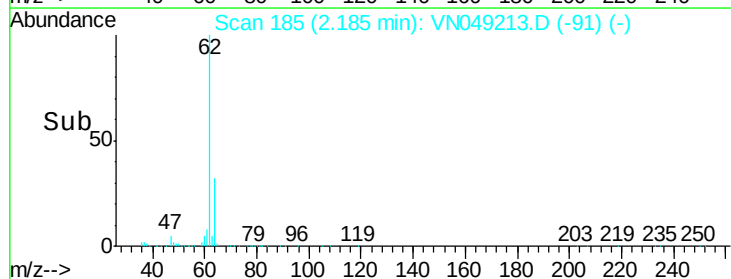
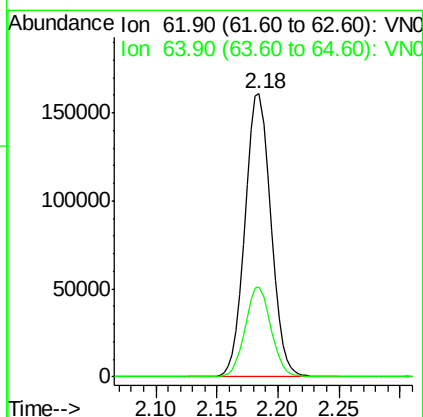
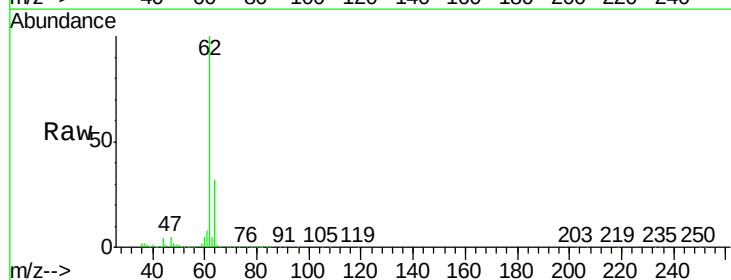
Acq: 13 Jun 2018 21:01

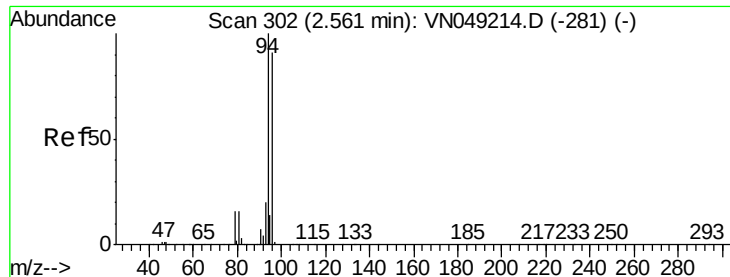
Tgt Ion: 62 Resp: 234252

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 17.67 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 118620

Ion Ratio Lower Upper

94 100

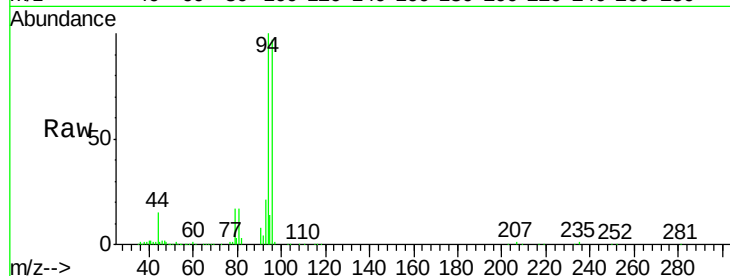
96 96.5 72.8 109.2

Manual Integrations

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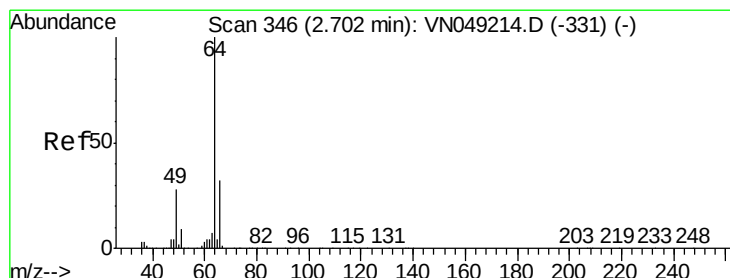
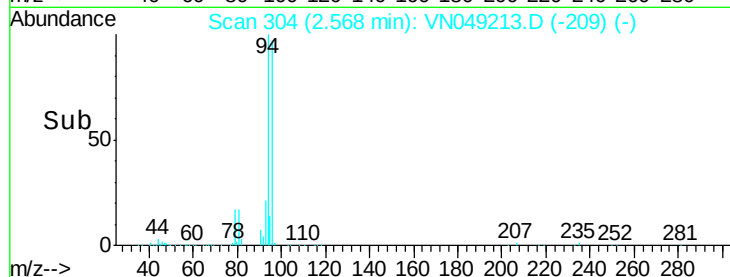
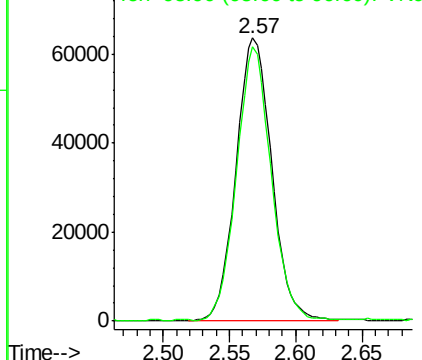
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.84 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049213.D

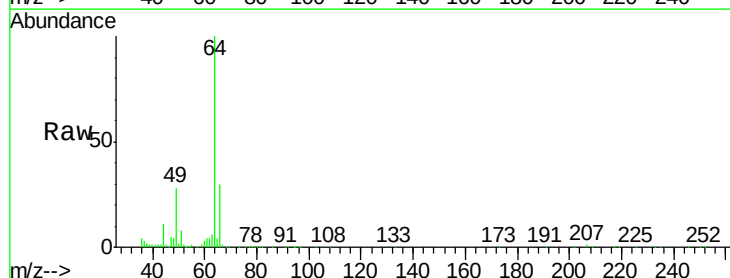
Acq: 13 Jun 2018 21:01

Tgt Ion: 64 Resp: 155865

Ion Ratio Lower Upper

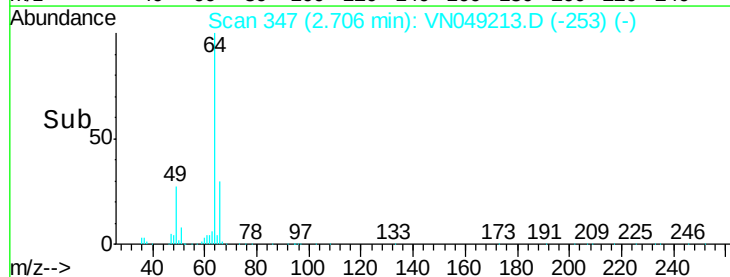
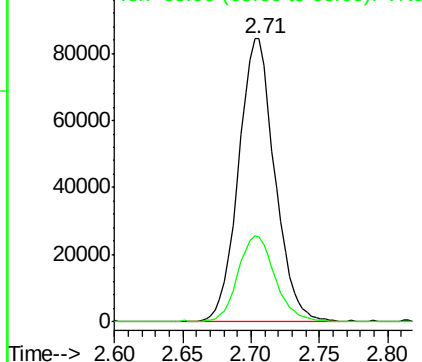
64 100

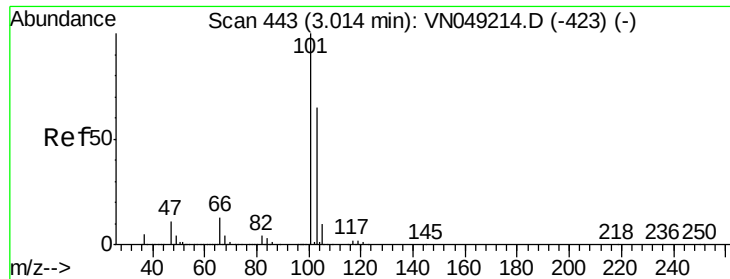
66 29.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.60 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tot Ion: 101 Resp: 327763

Ion Ratio Lower Upper

101 100

103 64.5 51.7 77.5

Instrument :

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ClientSampleId :

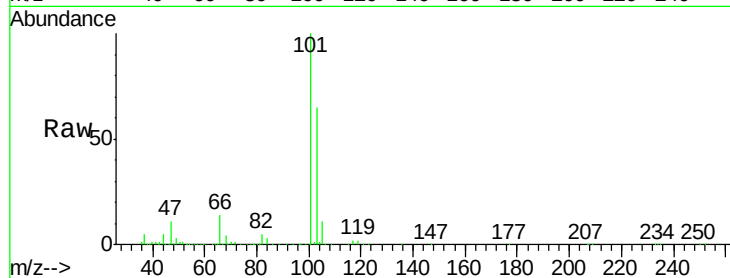
VSTDIC020

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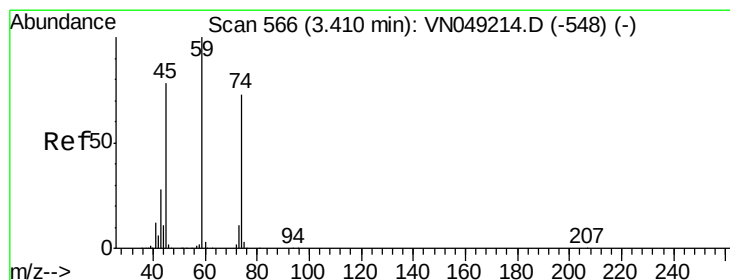
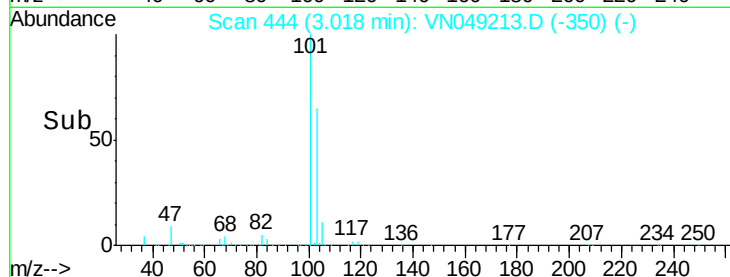
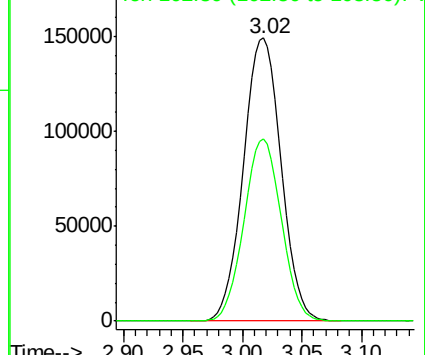
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.82 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049213.D

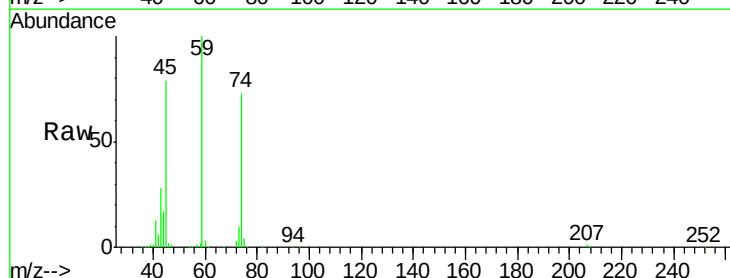
Acq: 13 Jun 2018 21:01

Tgt Ion: 74 Resp: 127359

Ion Ratio Lower Upper

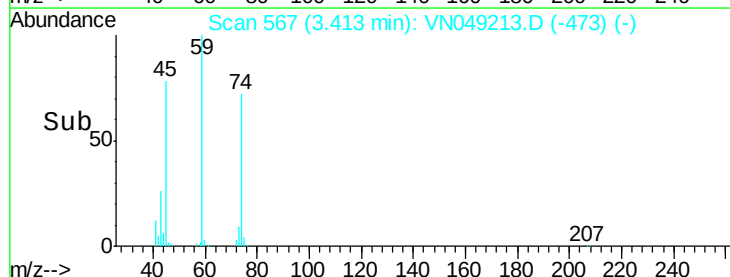
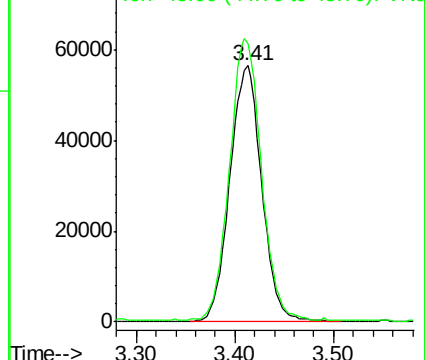
74 100

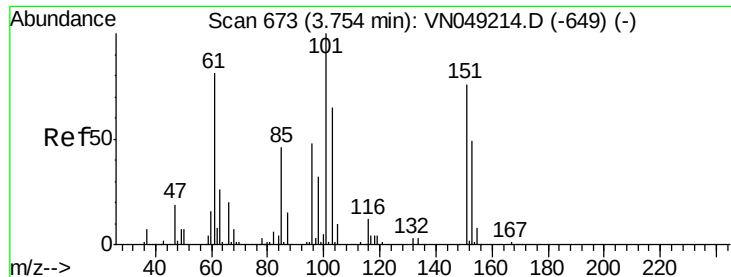
45 109.6 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.18 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

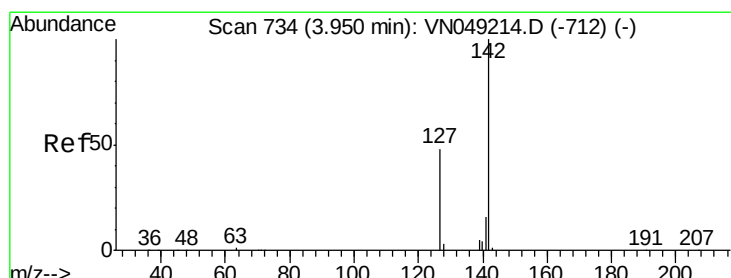
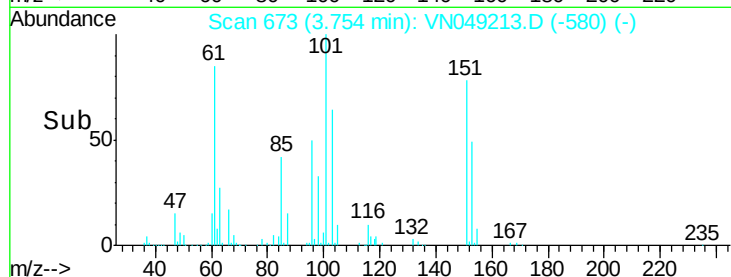
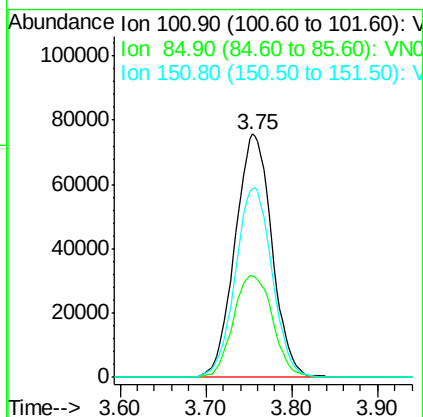
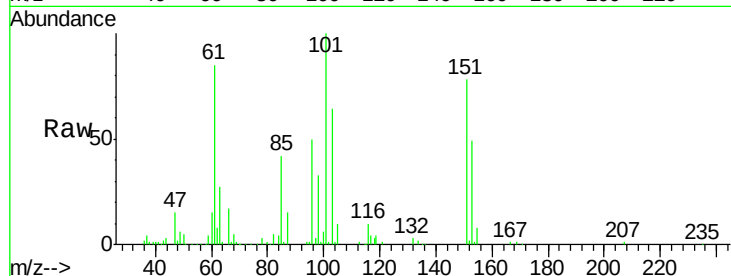
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	225423
Ion Ratio	Lower	Upper	
101	100		
85	44.5	37.6	56.4
151	77.7	61.1	91.7

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#10

Methyl Iodide

Concen: 21.76 ug/l

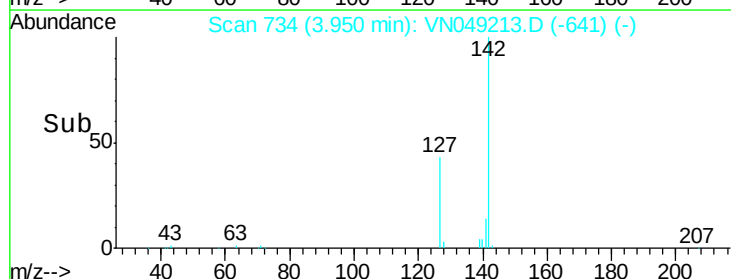
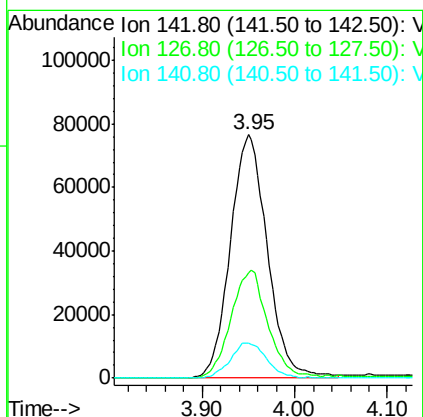
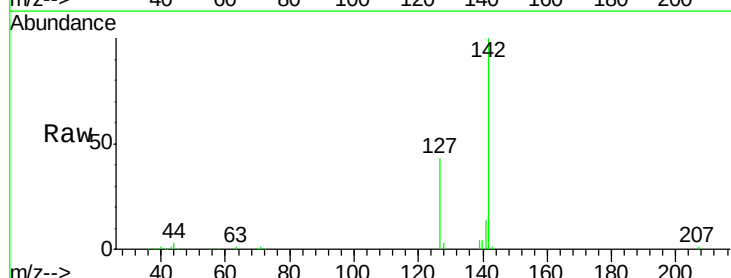
RT: 3.95 min Scan# 734

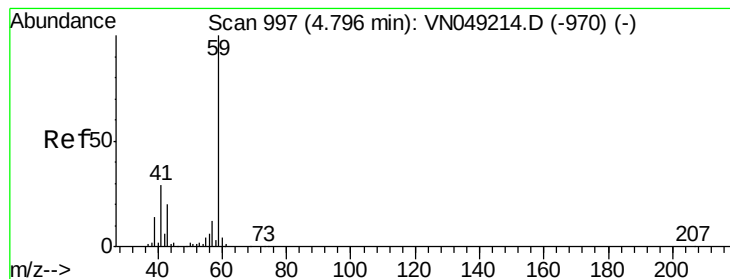
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	142	Resp:	212047
Ion Ratio	Lower	Upper	
142	100		
127	44.3	38.2	57.4
141	14.3	11.9	17.9





#11

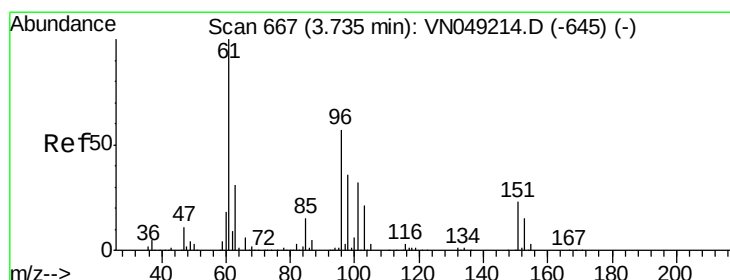
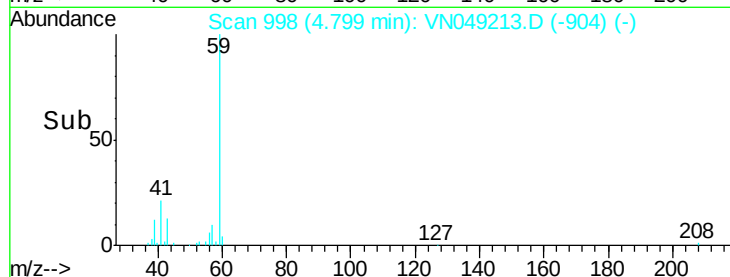
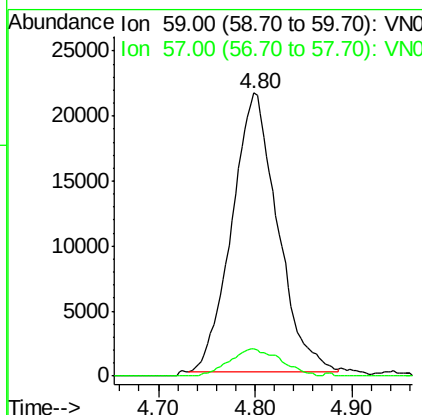
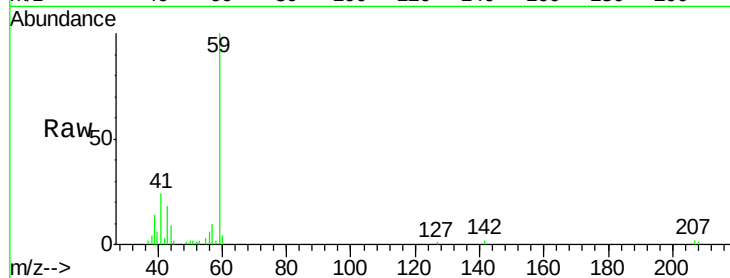
Tert butyl alcohol
 Concen: 96.35 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	59	Resp	70678
Ion Ratio	100	Lower	Upper
59	100		
57	11.0	9.0	13.6

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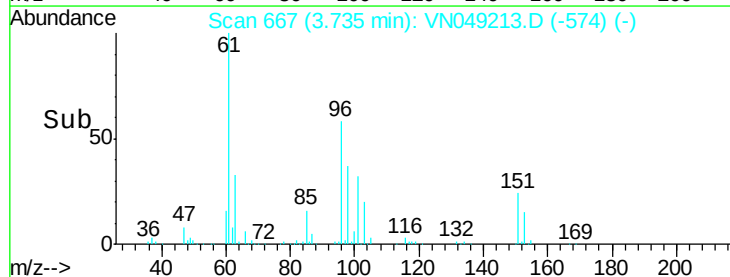
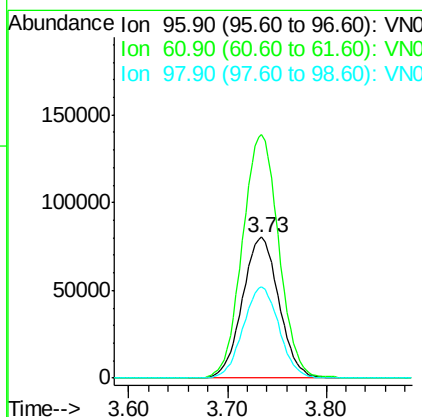
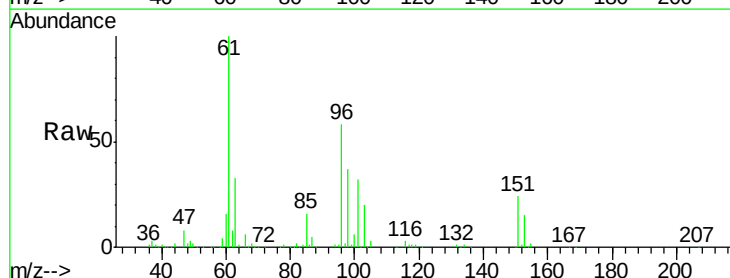
apatel
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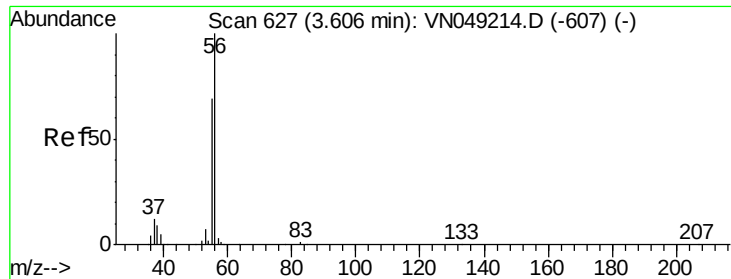


#12

1,1-Dichloroethene
 Concen: 22.09 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	96	Resp	206482
Ion Ratio	100	Lower	Upper
96	100		
61	172.6	141.0	211.4
98	64.3	50.4	75.6





#13

Acrolein

Concen: 153.70 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 103937

Ion Ratio Lower Upper

56 100

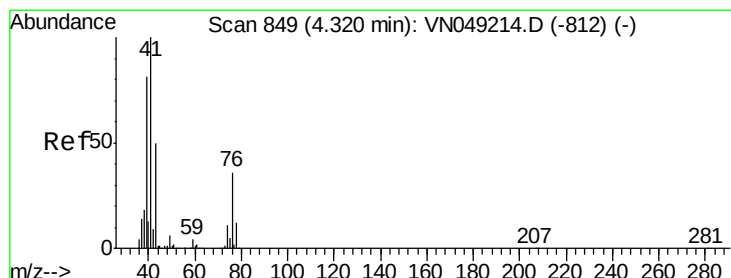
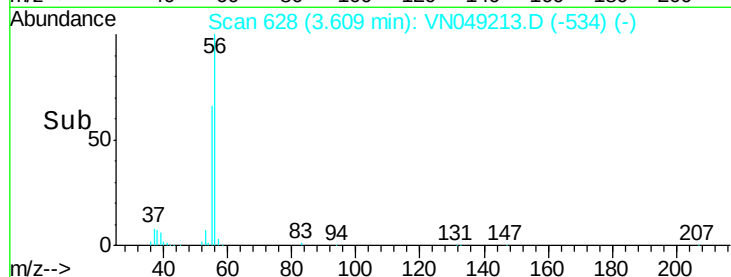
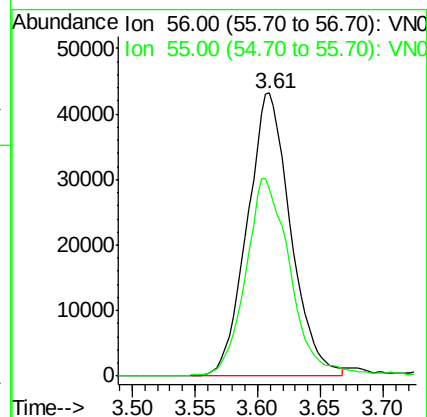
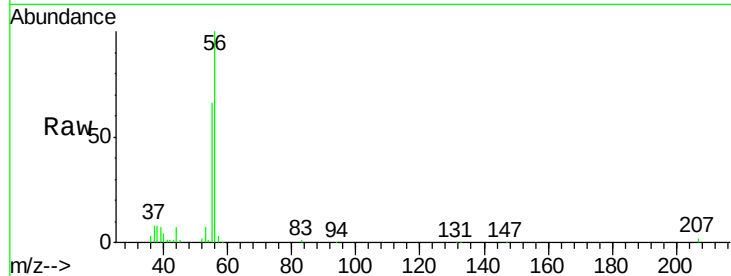
55 71.9 57.1 85.7

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#14

Allyl chloride

Concen: 21.31 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

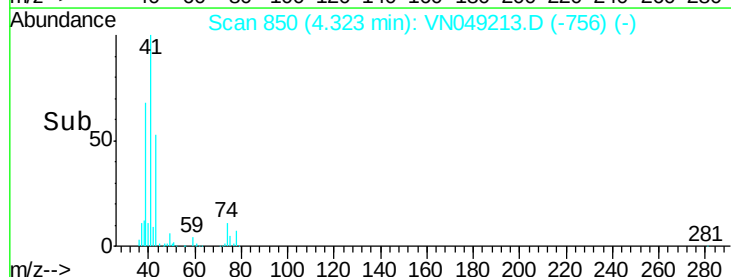
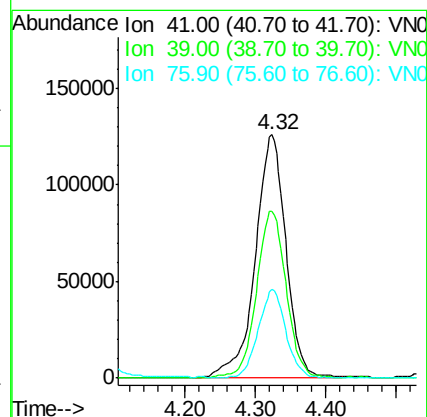
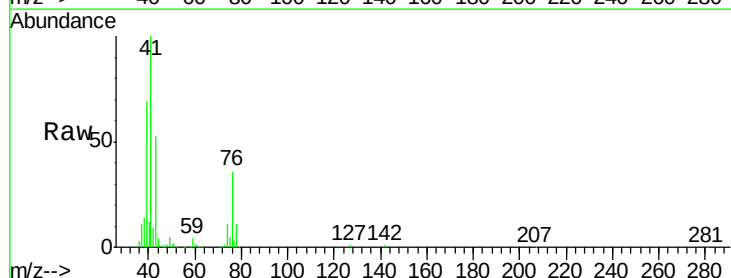
Tgt Ion: 41 Resp: 380605

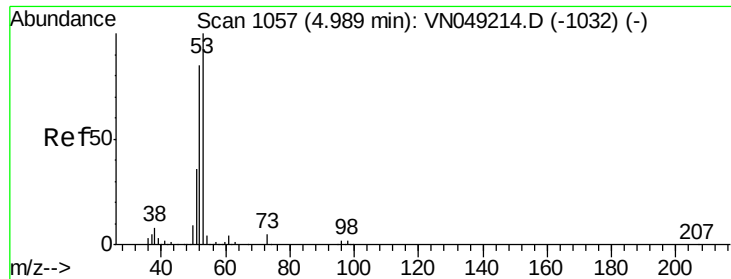
Ion Ratio Lower Upper

41 100

39 66.4 62.5 93.7

76 32.9 27.1 40.7





#15

Acrylonitrile

Concen: 101.68 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

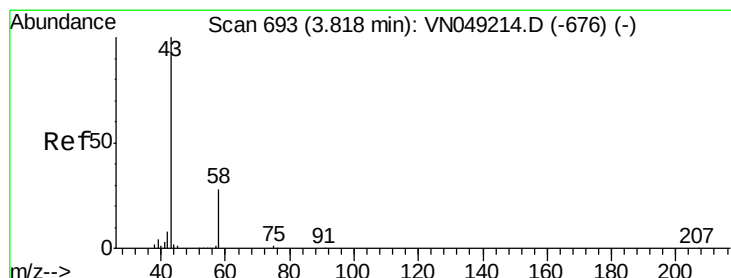
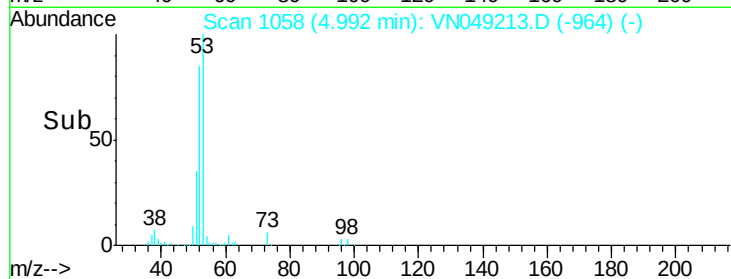
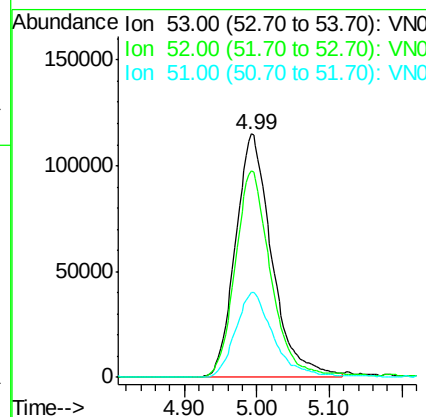
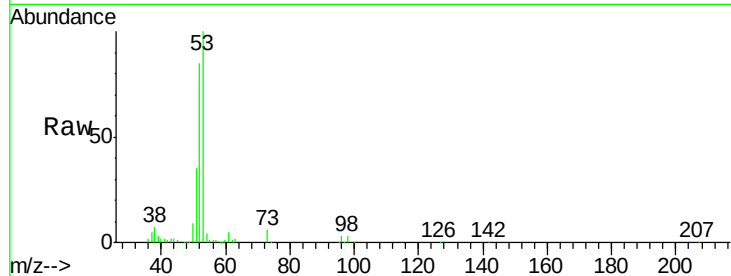
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	401238
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	100.0
51	36.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 99.55 ug/l

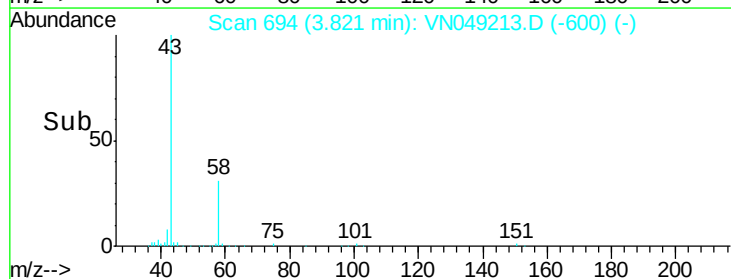
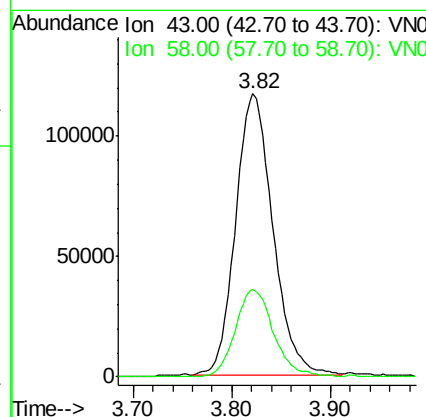
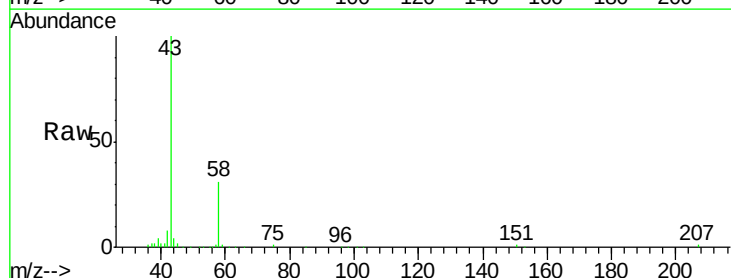
RT: 3.82 min Scan# 694

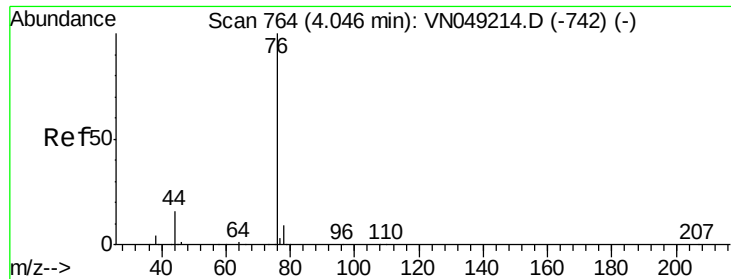
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	43	Resp:	304798
Ion	Ratio	Lower	Upper
43	100		
58	31.2	22.4	33.6





#17

Carbon Disulfide

Concen: 21.66 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 669804

Ion Ratio Lower Upper

76 100

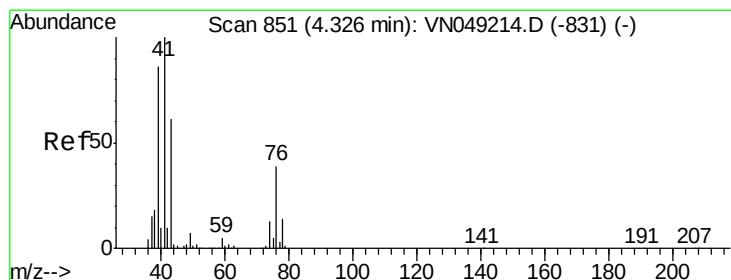
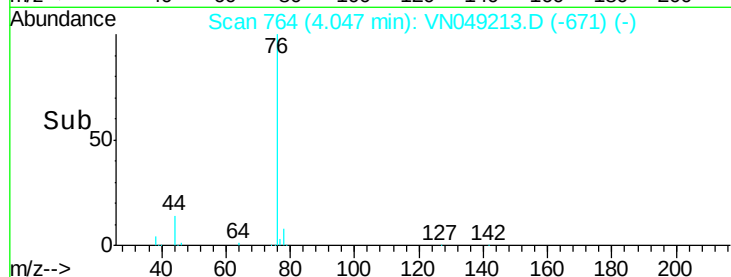
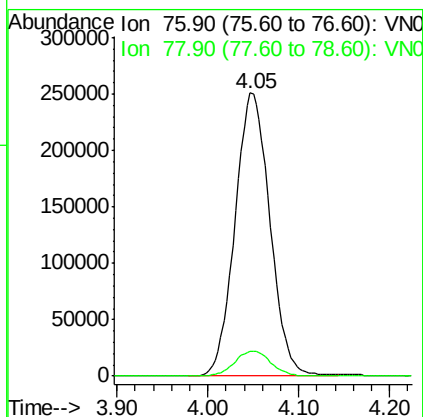
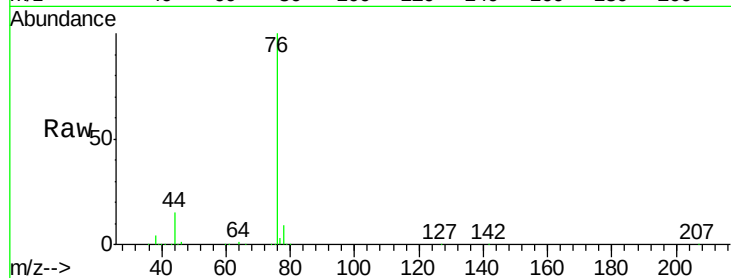
78 8.7 7.4 11.0

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#18

Methyl Acetate

Concen: 21.29 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049213.D

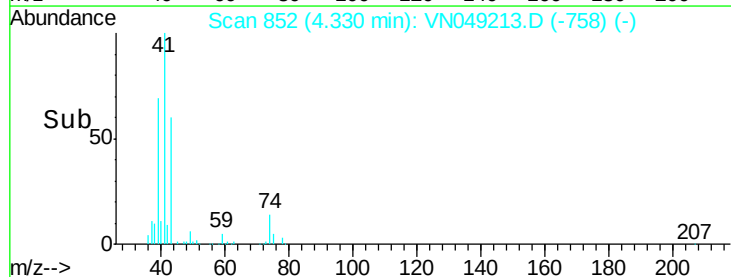
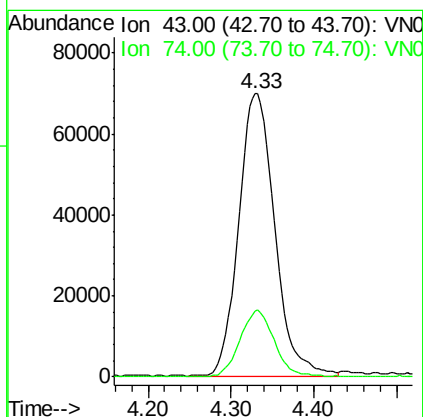
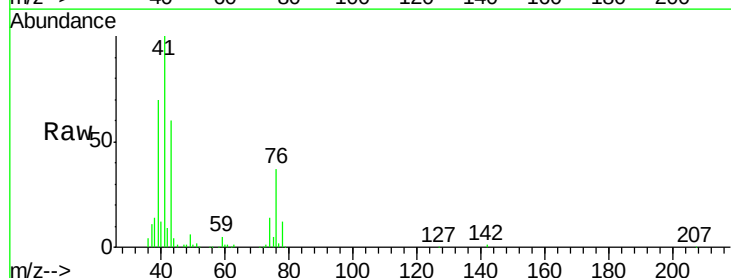
Acq: 13 Jun 2018 21:01

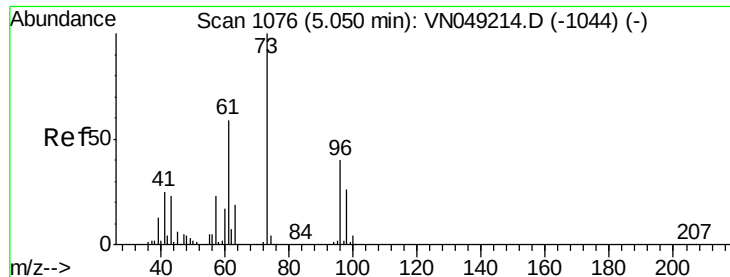
Tgt Ion: 43 Resp: 210347

Ion Ratio Lower Upper

43 100

74 22.6 17.4 26.0





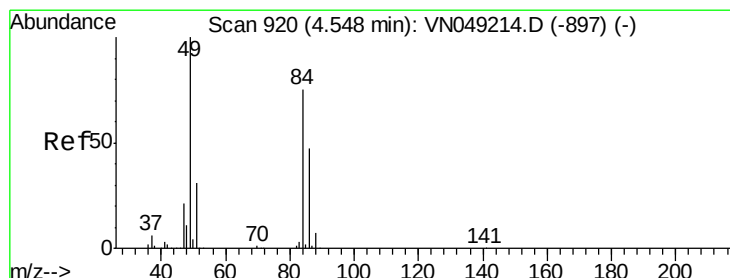
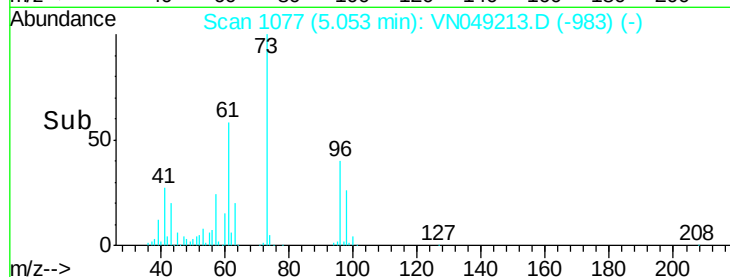
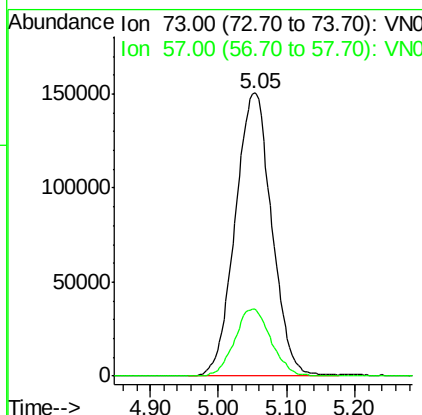
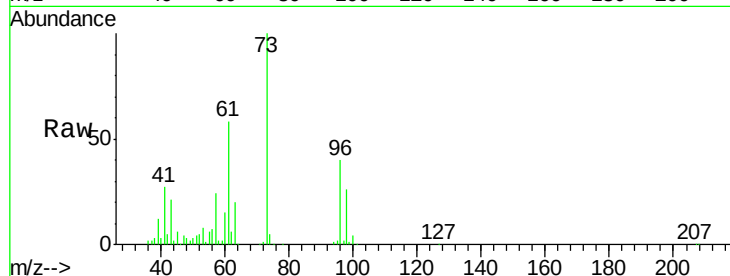
#19
Methvl tert-butvl Ether
Concen: 20.23 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 560155
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4

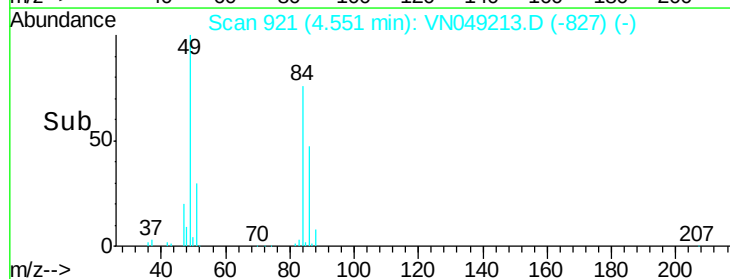
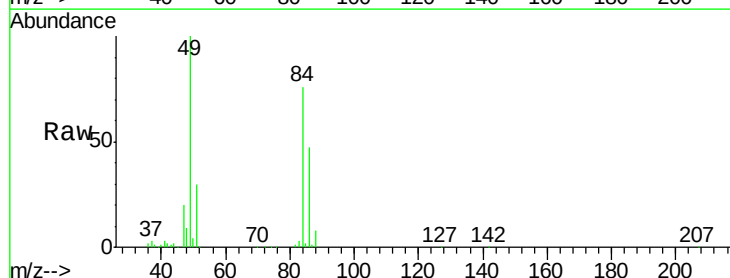
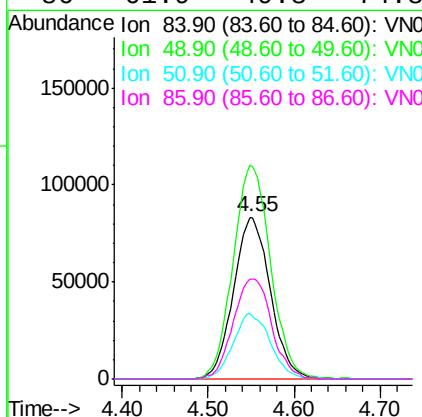
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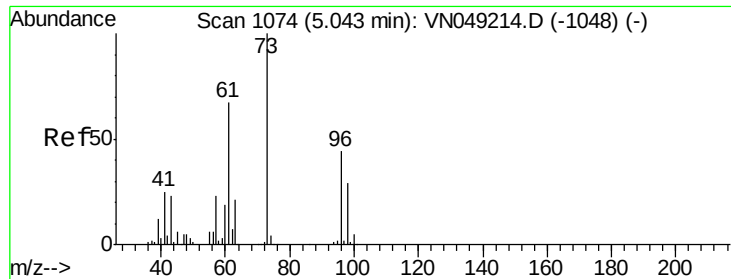
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#20
Methylene Chloride
Concen: 21.81 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion: 84 Resp: 248415
Ion Ratio Lower Upper
84 100
49 131.2 106.9 160.3
51 39.0 32.7 49.1
86 61.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

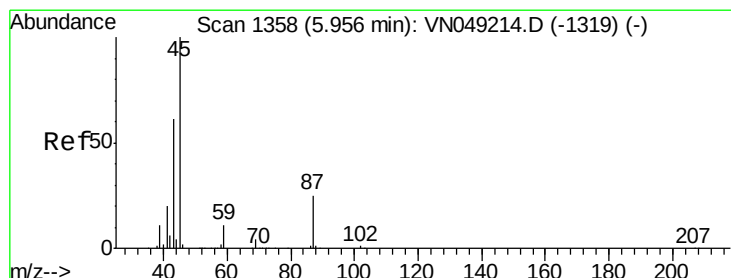
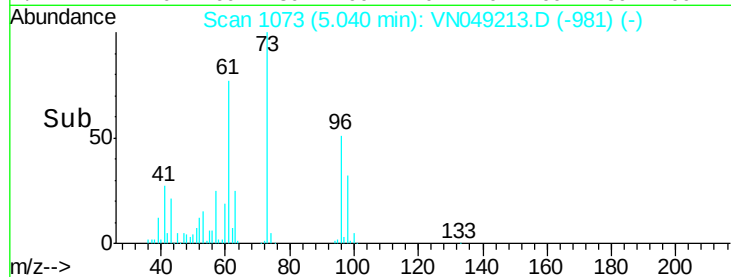
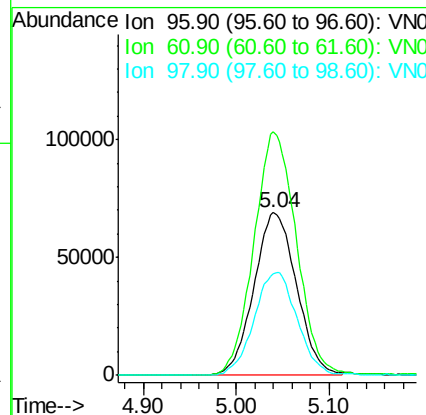
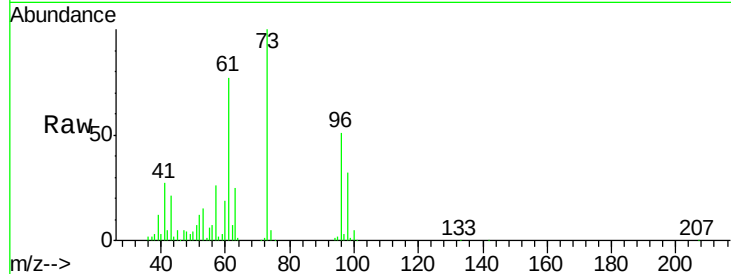
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	220308
Ion	Ratio	Lower	Upper
96	100		
61	149.7	121.3	181.9
98	62.3	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.76 ug/l

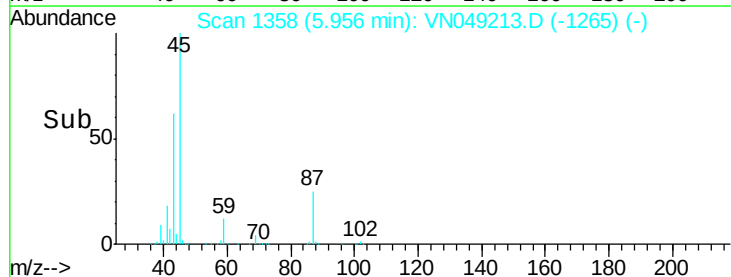
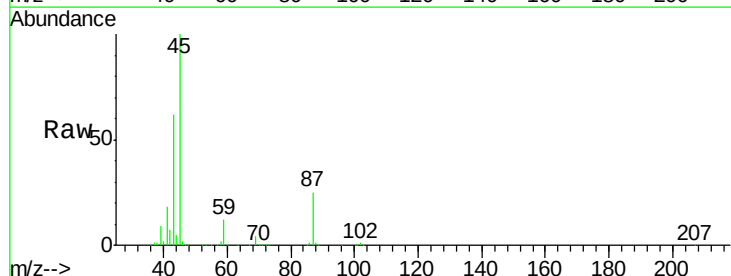
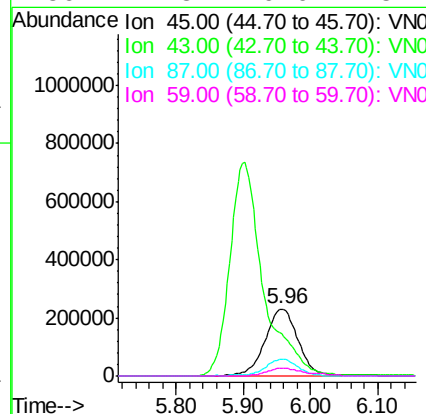
RT: 5.96 min Scan# 1358

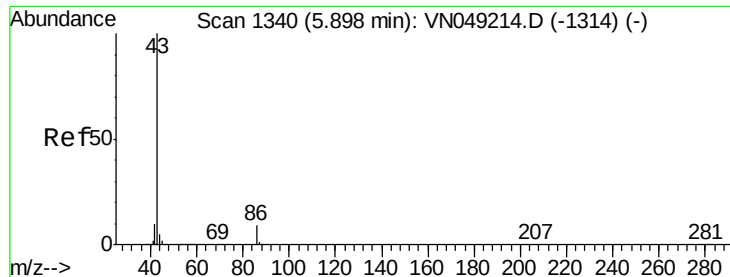
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	45	Resp:	788283
Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.6	72.8
87	25.0	20.2	30.2
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 98.92 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 2559762

Ion Ratio Lower Upper

43 100

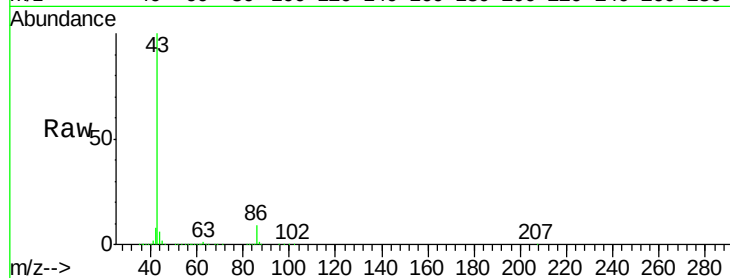
86 9.3 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN049213.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049213.D (-1247) (-)

5.90

800000

600000

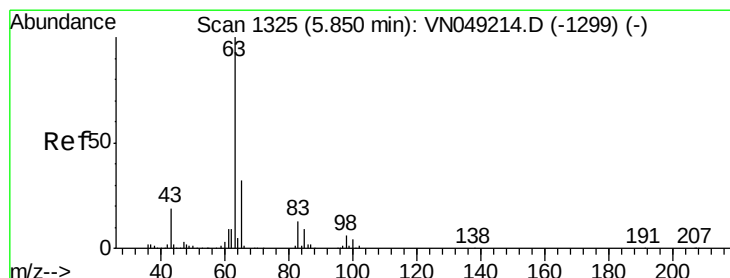
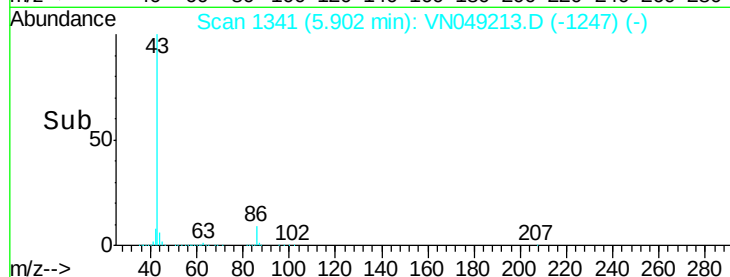
400000

200000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.26 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

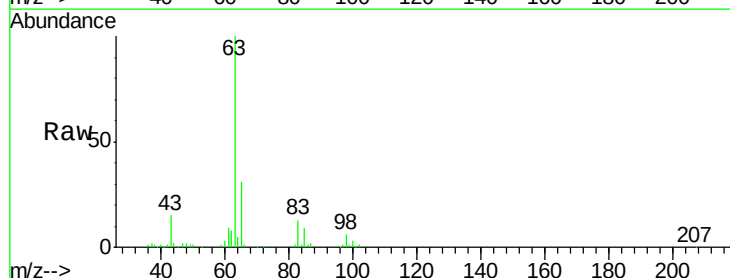
Tgt Ion: 63 Resp: 460193

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049213.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN049213.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN049213.D (-1232) (-)

5.85

150000

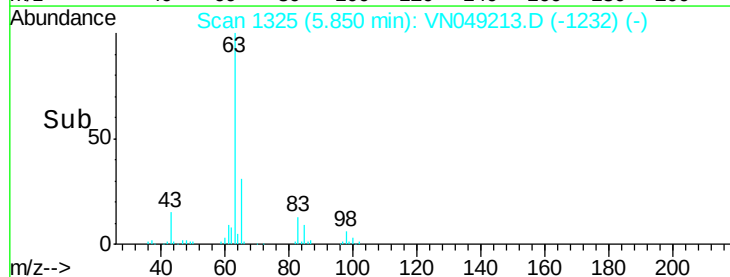
100000

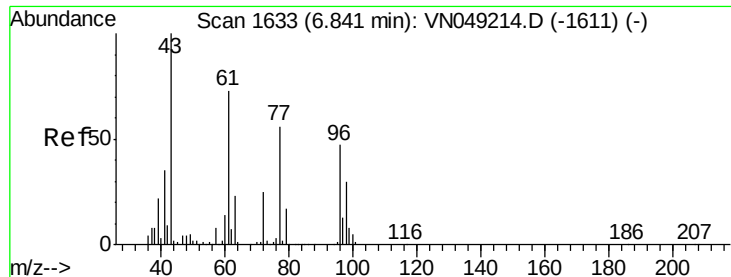
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 95.30 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 442600

Ion Ratio Lower Upper

43 100

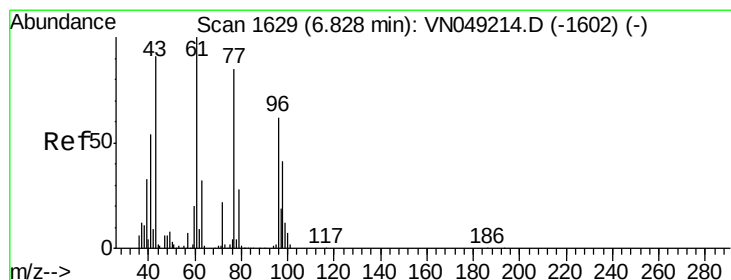
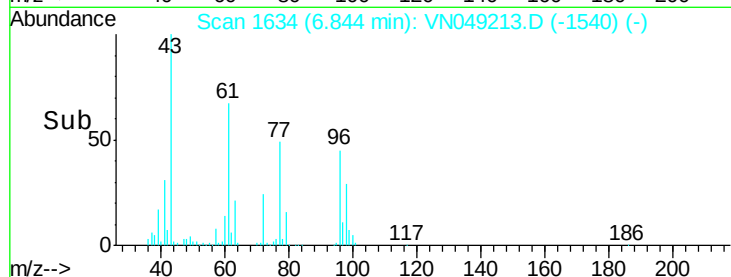
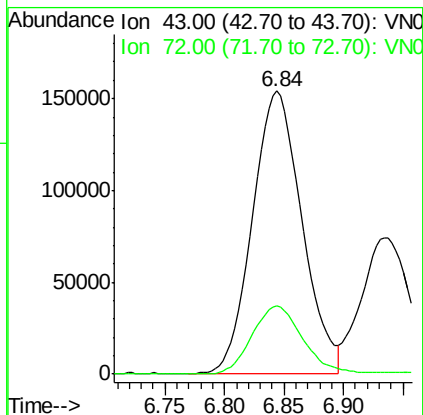
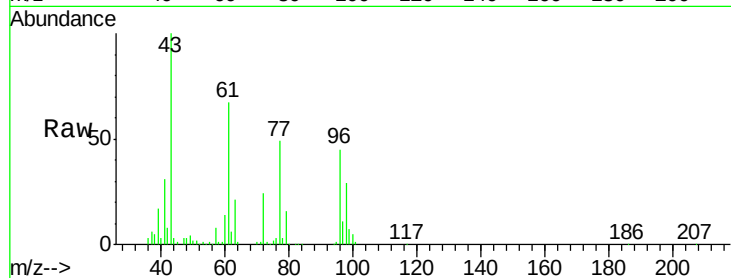
72 24.3 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.62 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049213.D

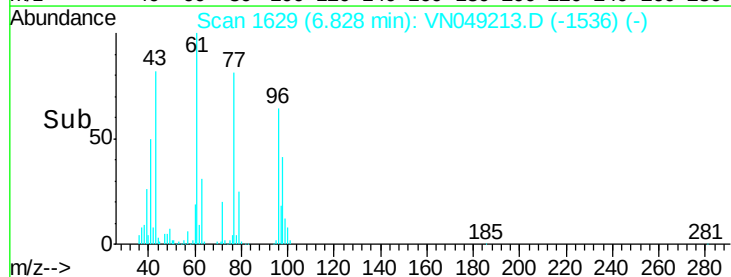
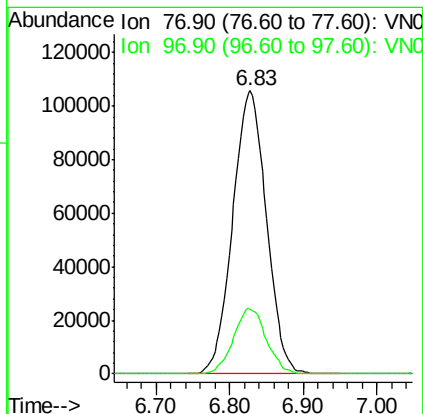
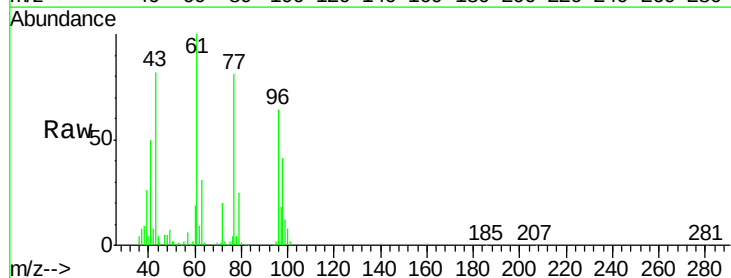
Acq: 13 Jun 2018 21:01

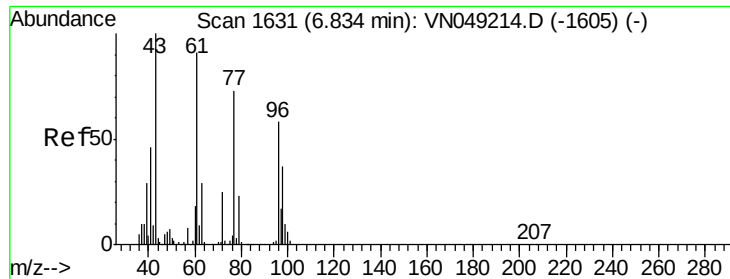
Tgt Ion: 77 Resp: 336094

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 20.81 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

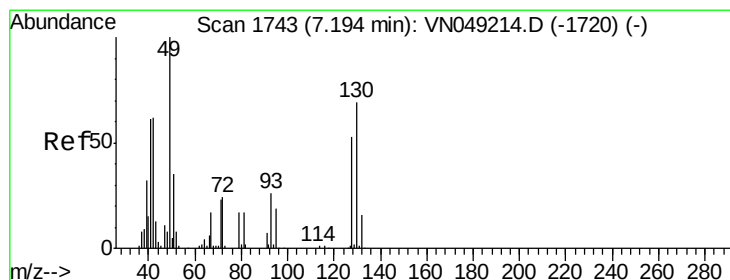
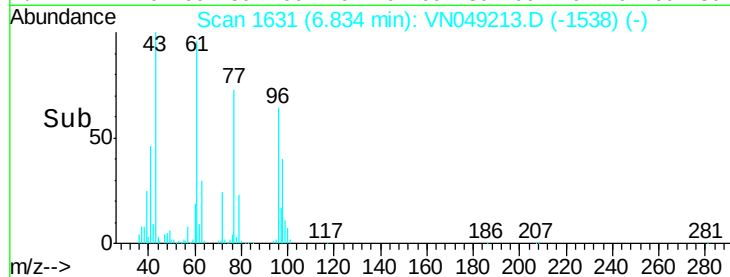
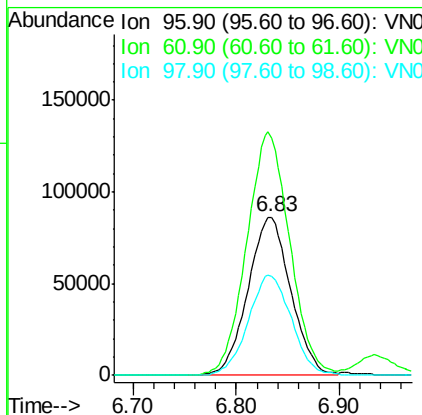
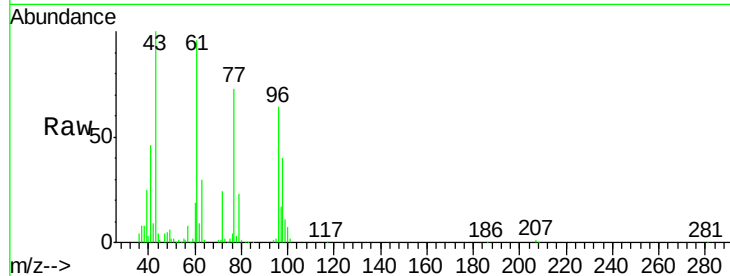
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	248211
Ion Ratio	Lower	Upper	
96	100		
61	154.5	0.0	316.4
98	63.8	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 22.29 ug/l

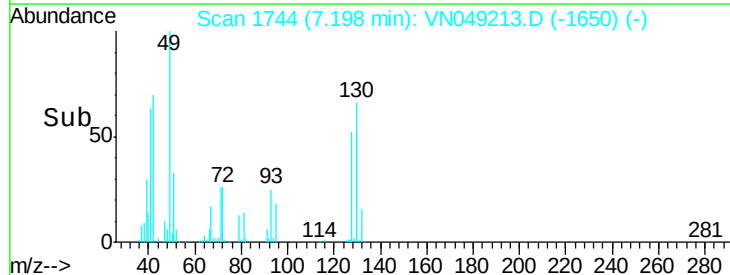
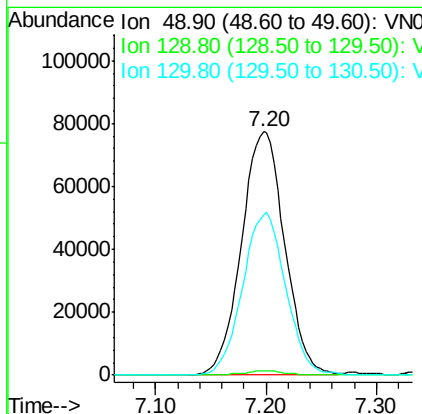
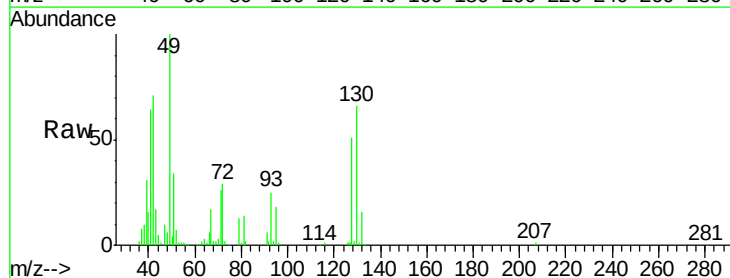
RT: 7.20 min Scan# 1744

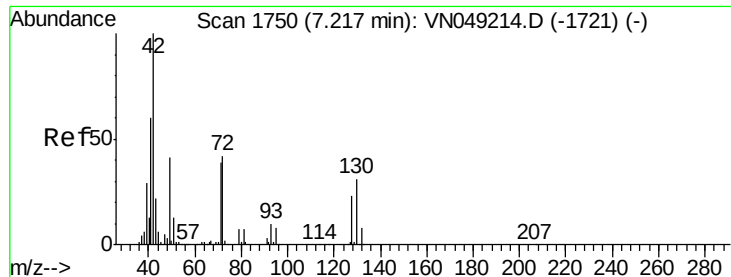
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	49	Resp:	210186
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	66.5	54.9	82.3





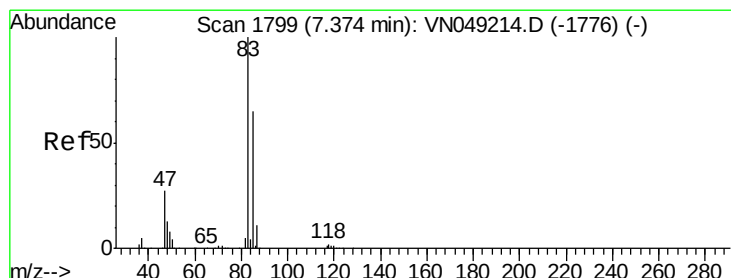
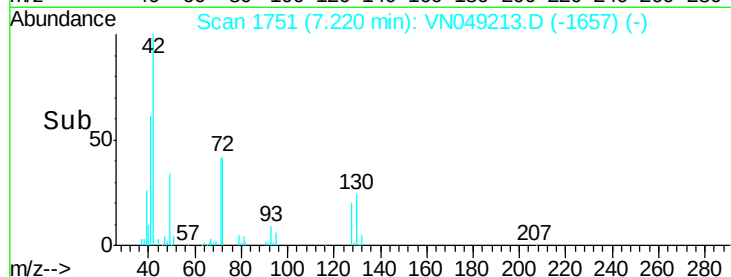
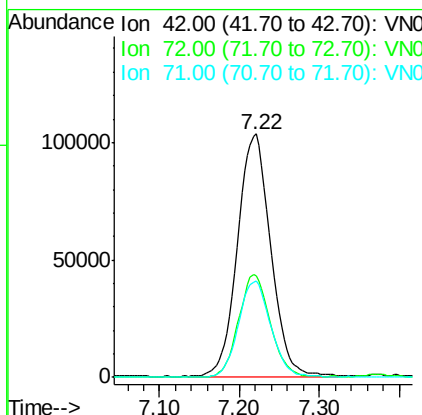
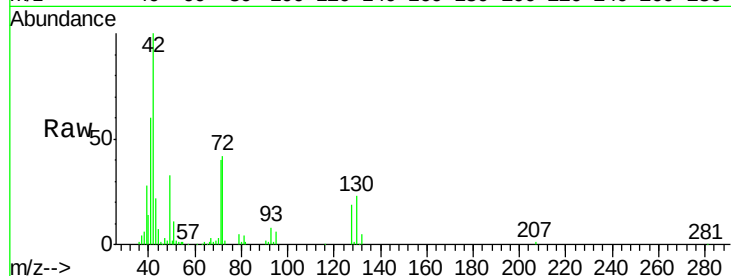
#29
Tetrahydrofuran
Concen: 97.18 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.2	48.4
71	38.9	30.5	45.7

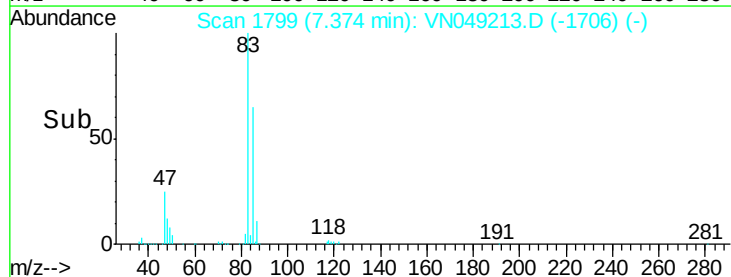
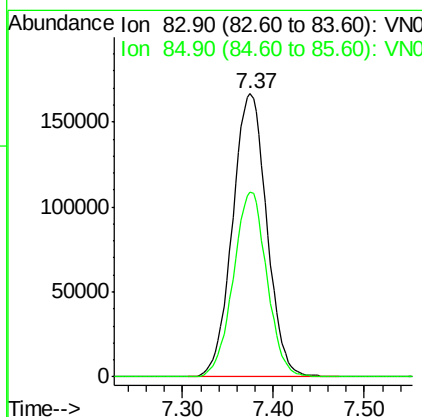
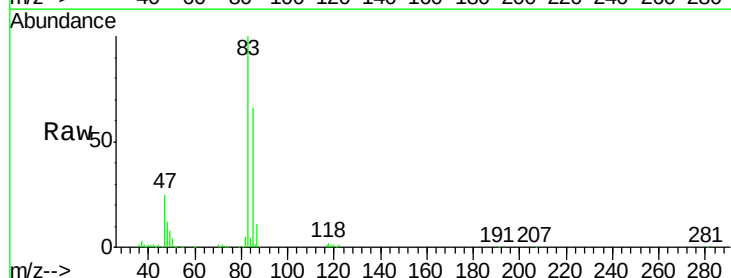
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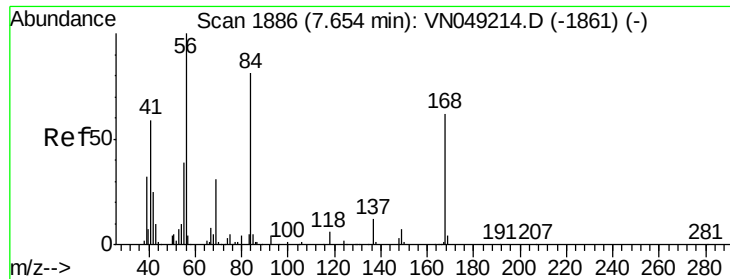
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#30
Chloroform
Concen: 20.76 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.7	77.5





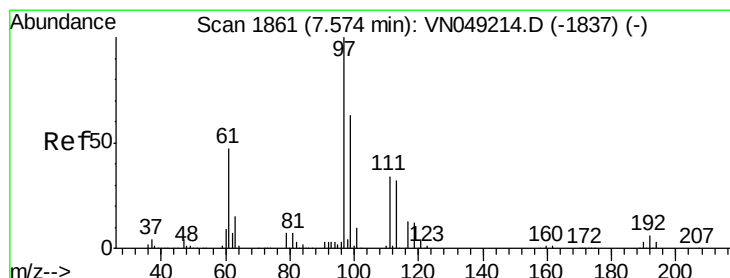
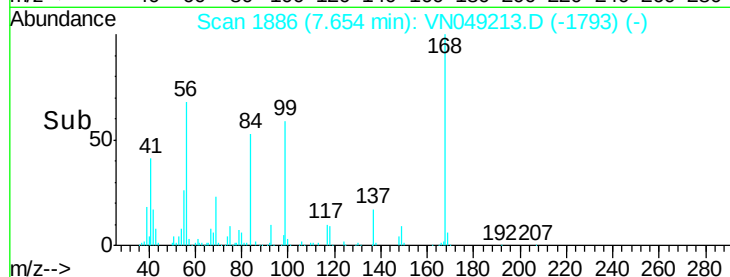
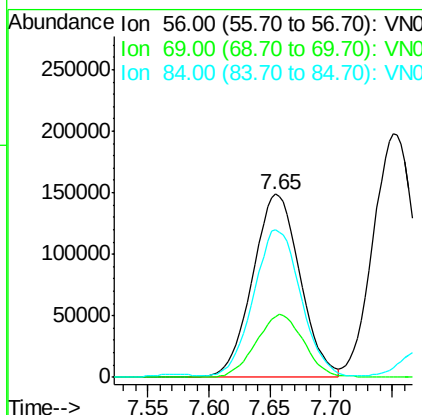
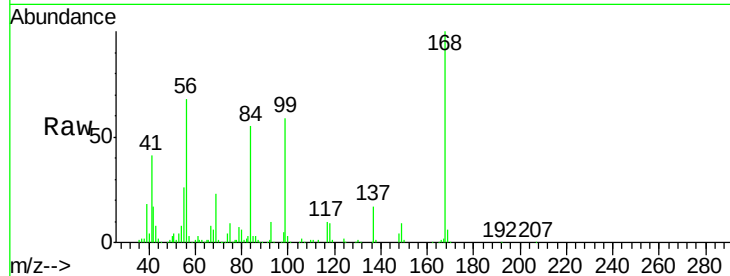
#31
Cyclohexane
Concen: 20.15 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.0	37.4
84	79.3	64.6	96.8

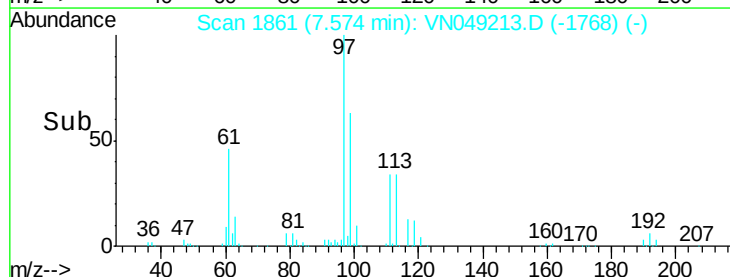
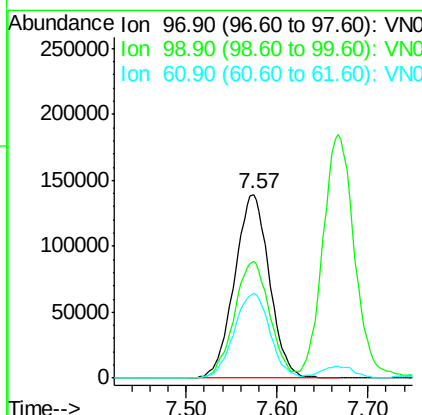
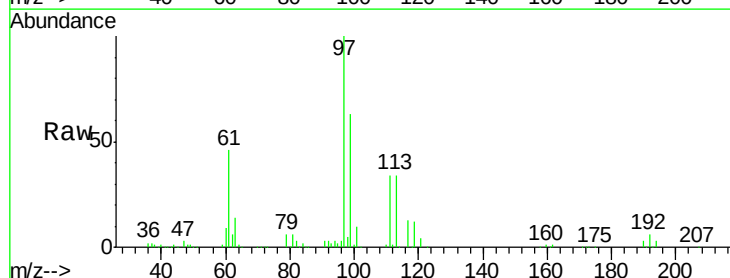
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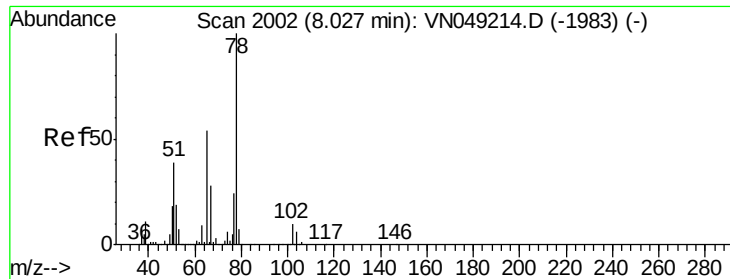
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#32
1,1,1-Trichloroethane
Concen: 20.61 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.5	75.7
61	47.4	37.9	56.9





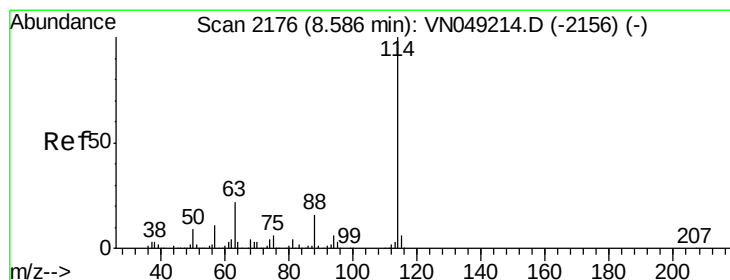
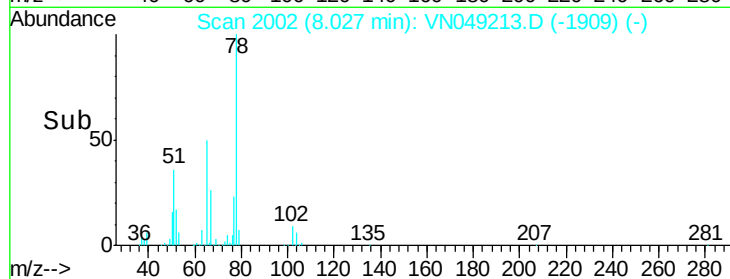
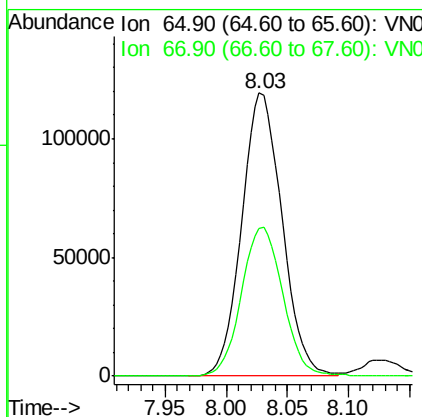
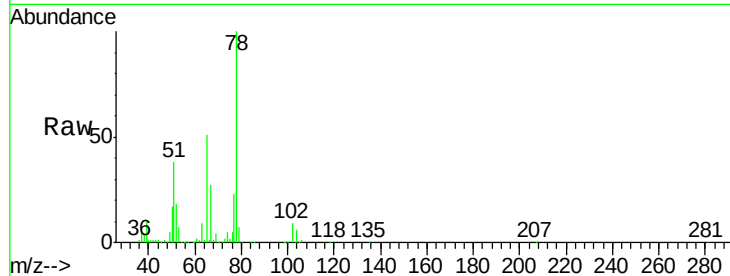
#33
 1,2-Dichloroethane-d4
 Concen: 20.91 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	103.8

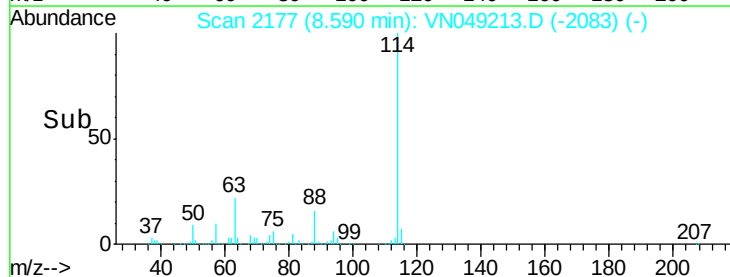
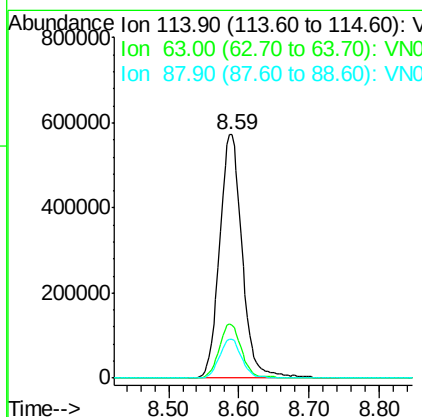
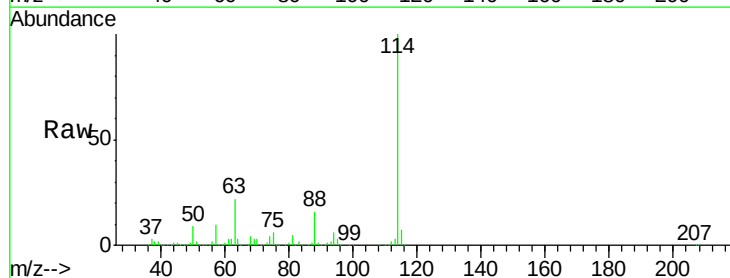
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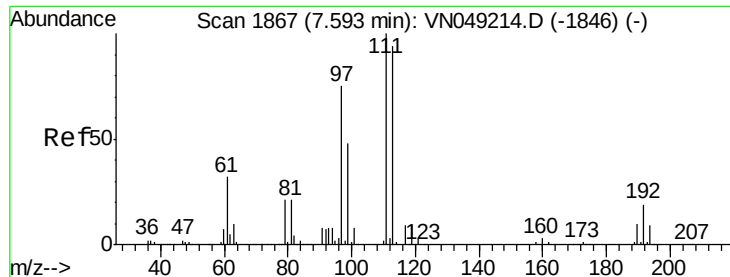
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.4
88	16.0	0.0	31.4





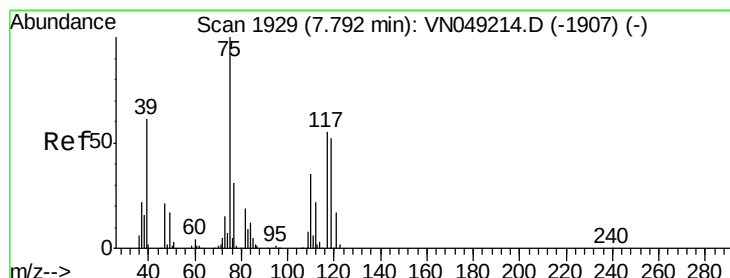
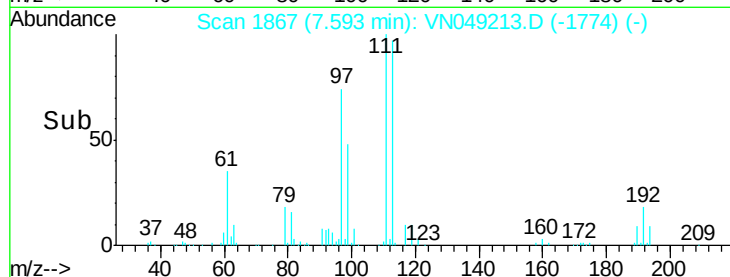
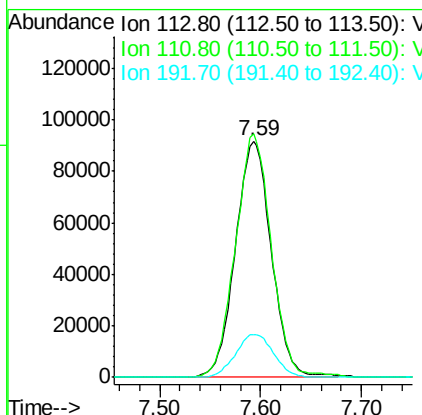
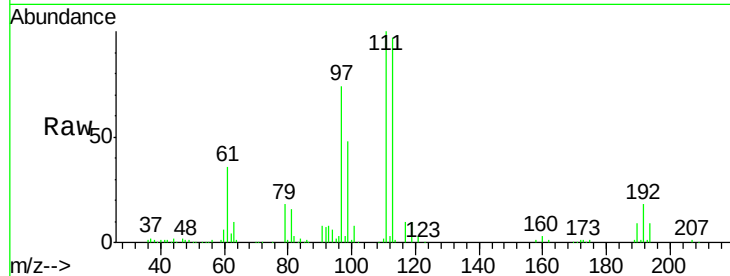
#35
Dibromofluoromethane
Concen: 21.38 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225905		
111	102.8	82.4	123.6	
192	19.5	15.0	22.6	

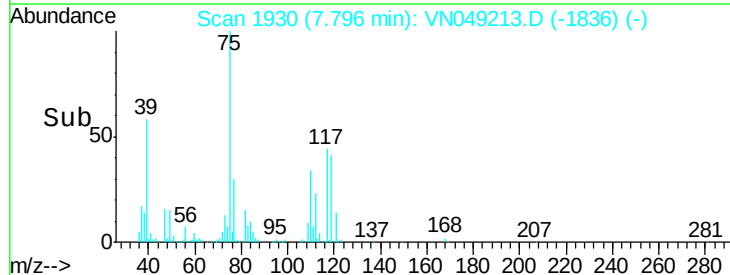
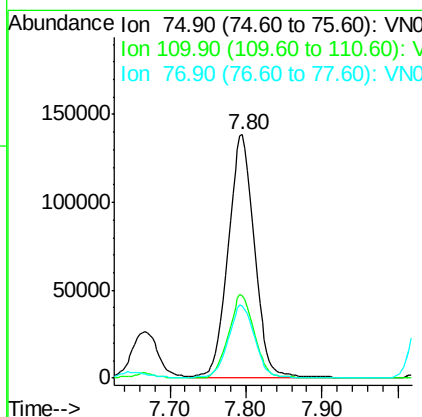
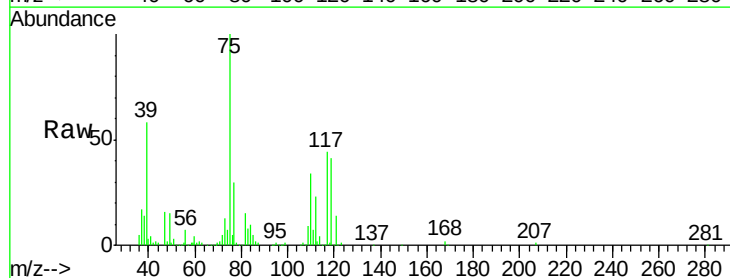
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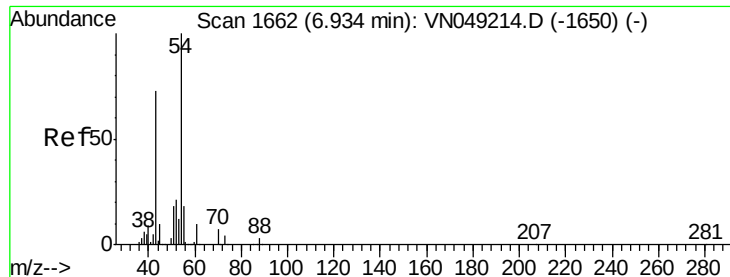
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#36
1,1-Dichloropropene
Concen: 20.65 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	330634		
110	34.1	17.0	50.9	
77	30.2	24.4	36.6	





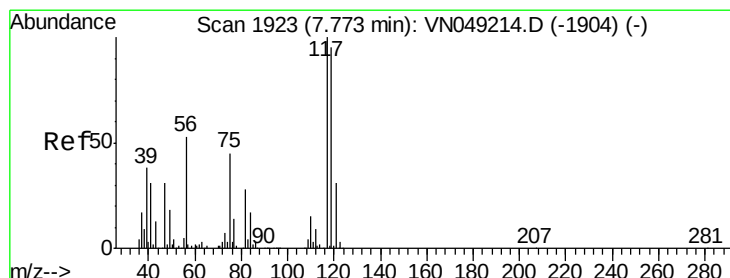
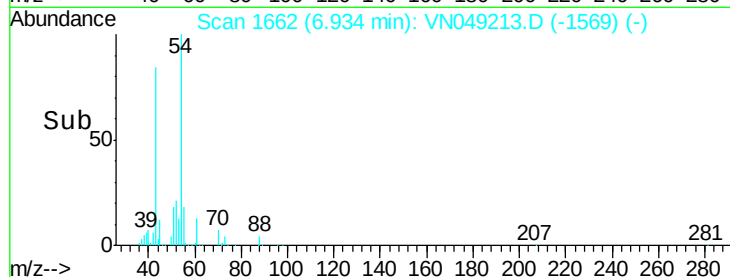
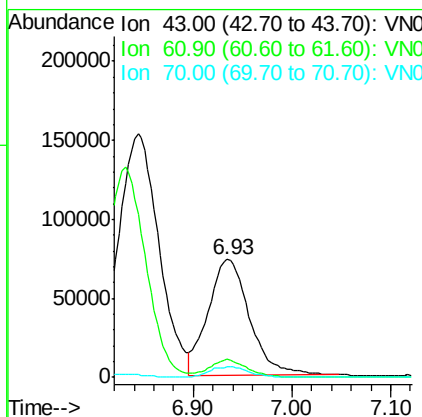
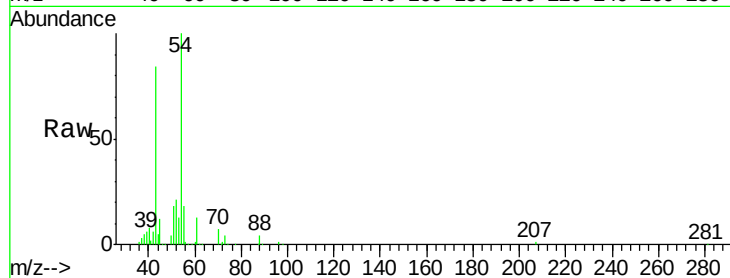
#37
Ethyl Acetate
Concen: 21.10 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	8.9	7.2	10.8

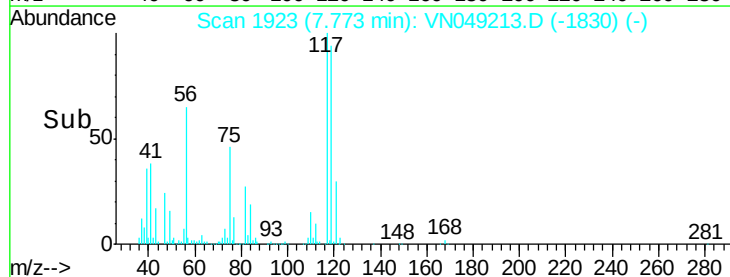
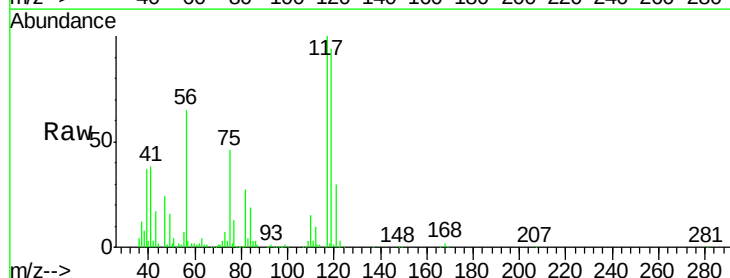
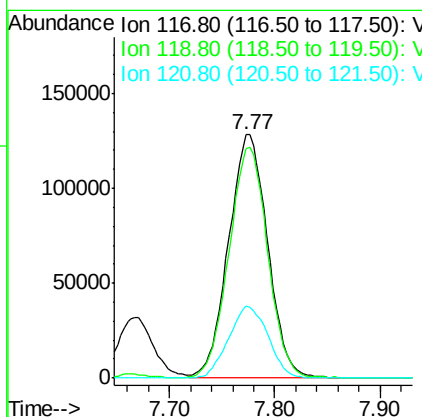
Manual Integrations
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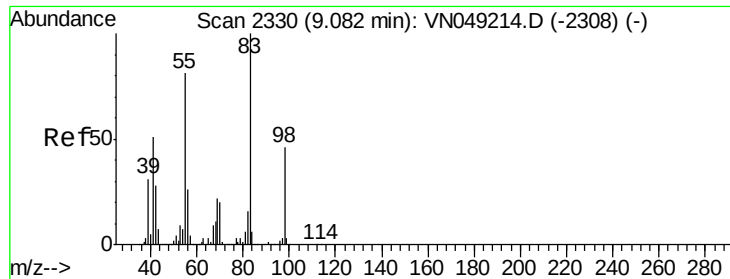
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#38
Carbon Tetrachloride
Concen: 20.92 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.6	113.4
121	29.6	24.7	37.1





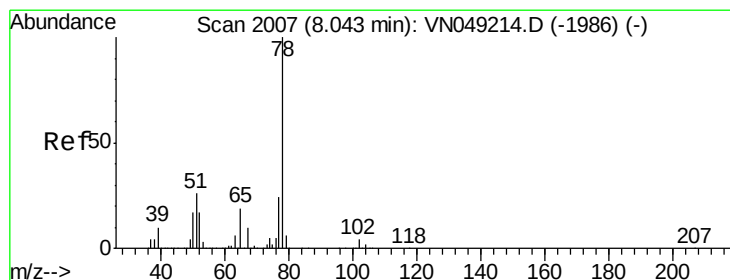
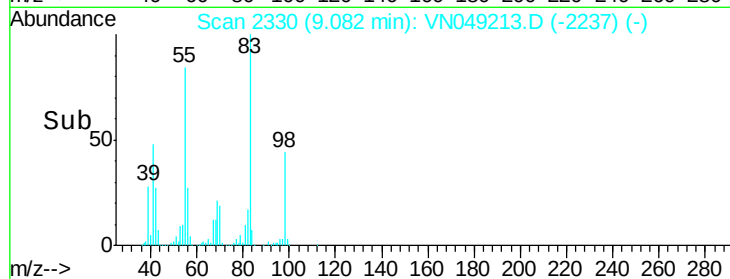
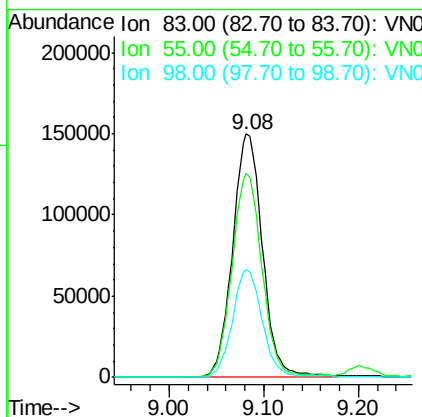
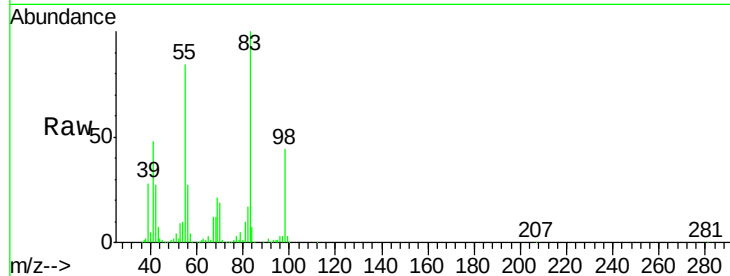
#39
Methylvlcyclohexane
Concen: 19.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	65.1	97.7
98	44.5	36.5	54.7

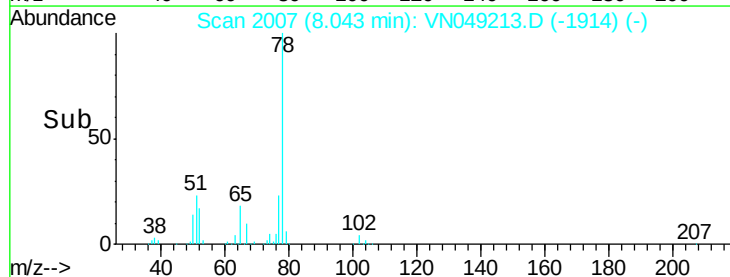
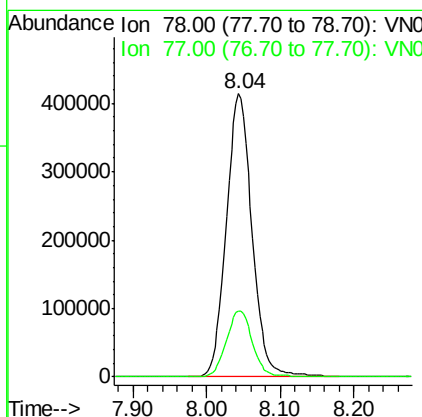
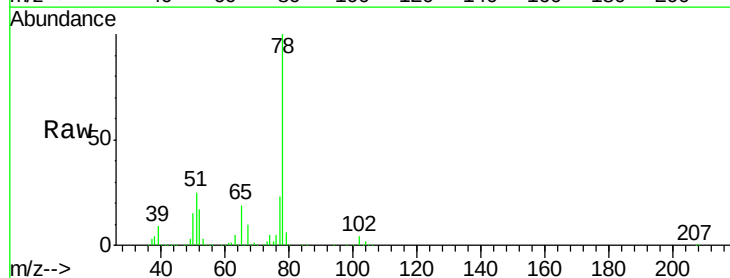
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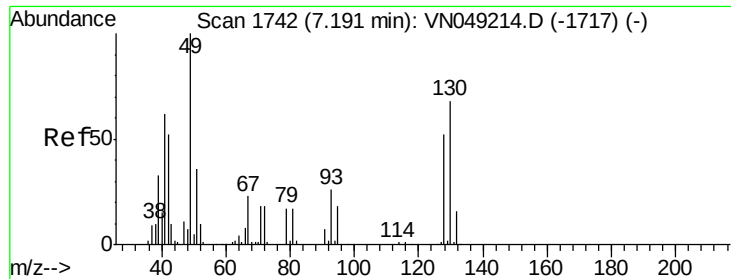
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#40
Benzene
Concen: 20.89 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





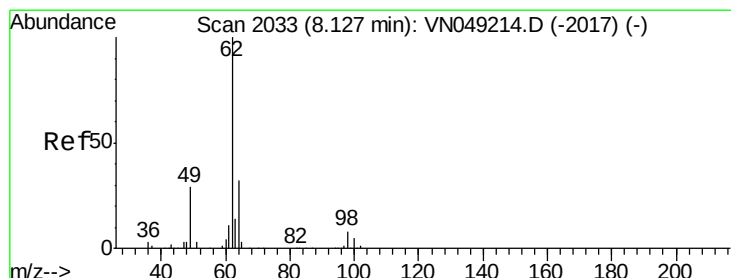
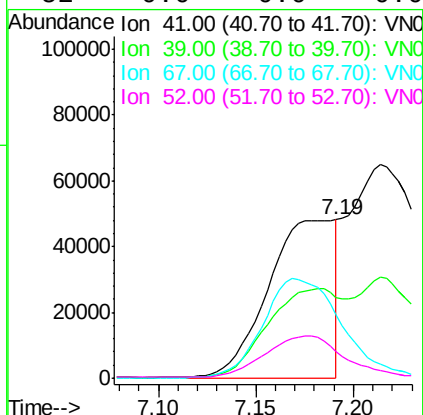
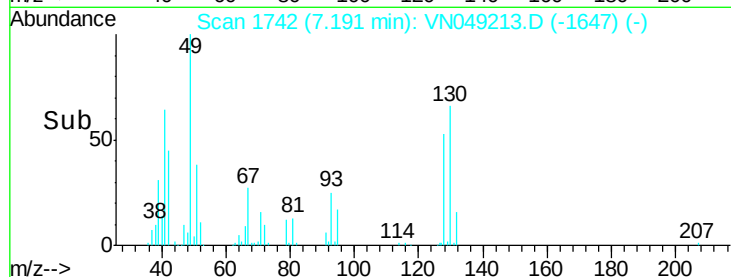
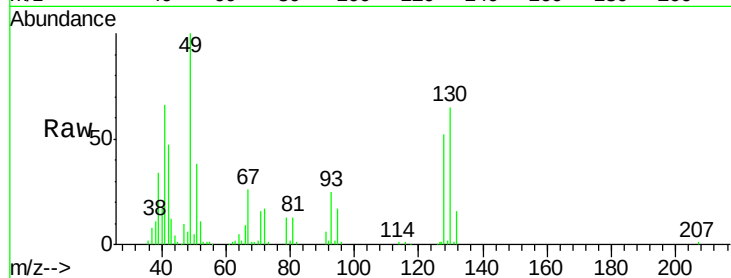
#41
Methacrylonitrile
Concen: 20.51 ug/l m
RT: 7.19 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	115924
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

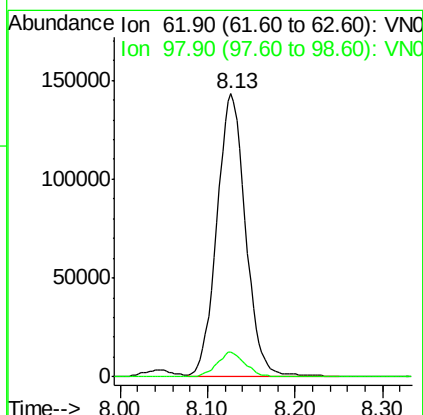
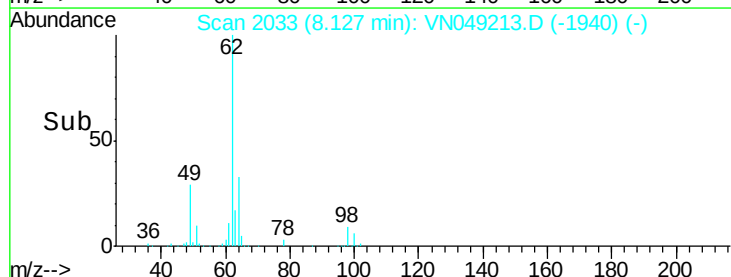
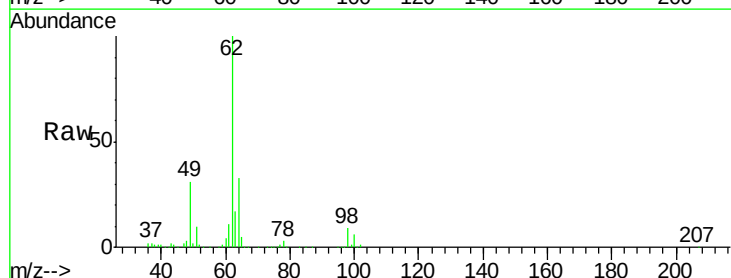
Manual Integrations
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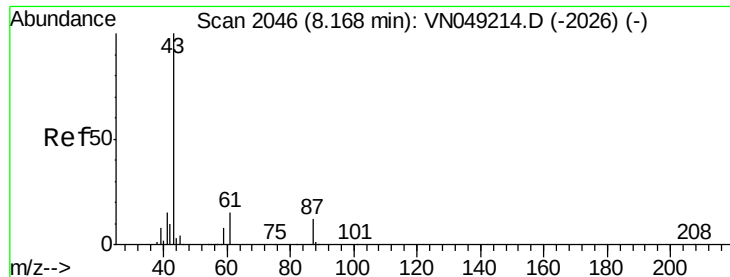
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#42
1,2-Dichloroethane
Concen: 20.82 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	62	Resp	325042
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.30 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

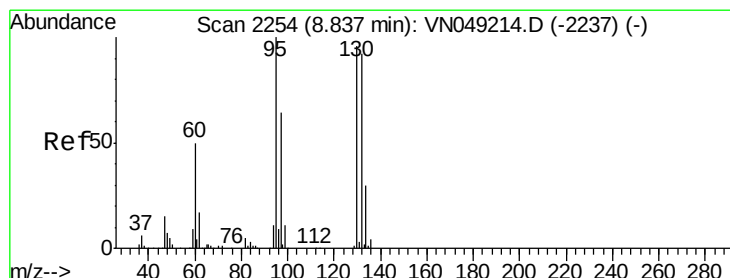
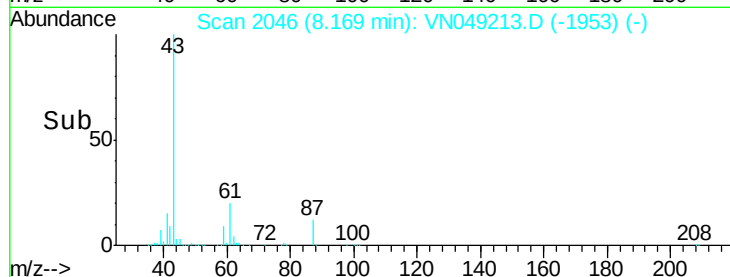
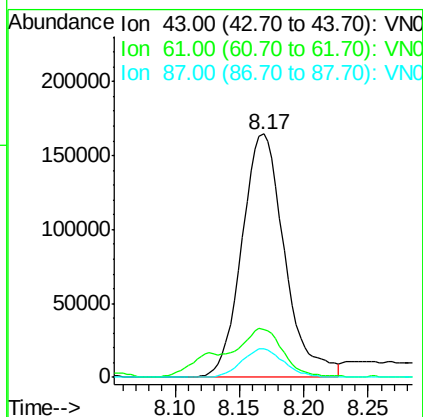
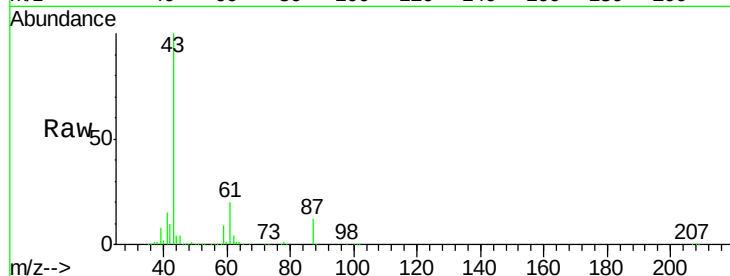
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	378115
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.4
87	11.6	9.4	14.0

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#44

Trichloroethene

Concen: 20.44 ug/l

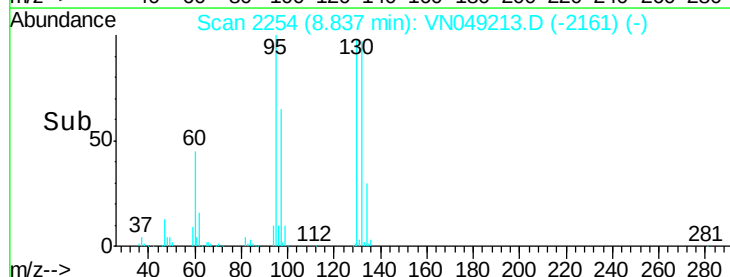
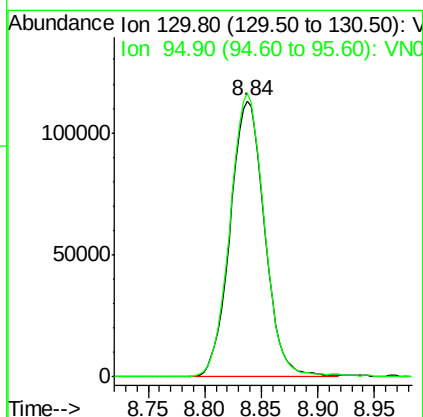
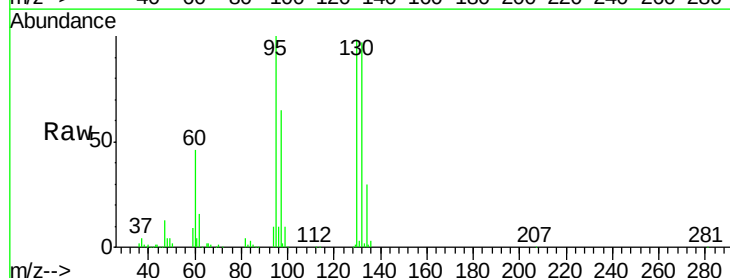
RT: 8.84 min Scan# 2254

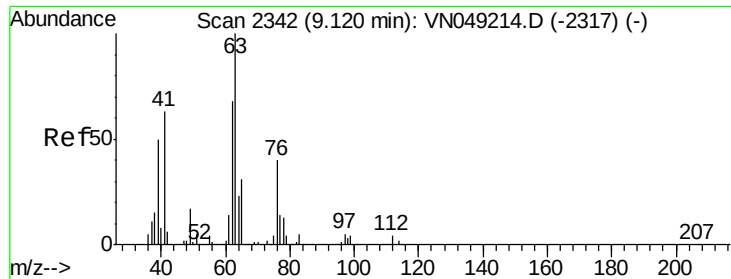
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	130	Resp:	240073
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	208.6





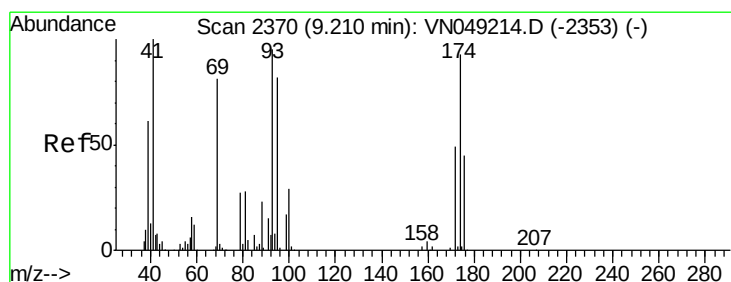
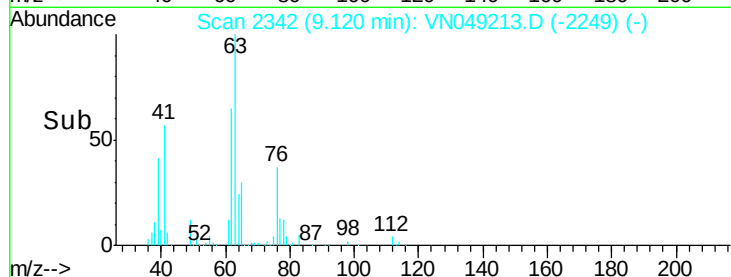
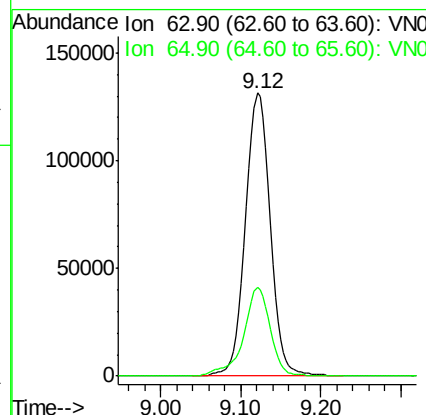
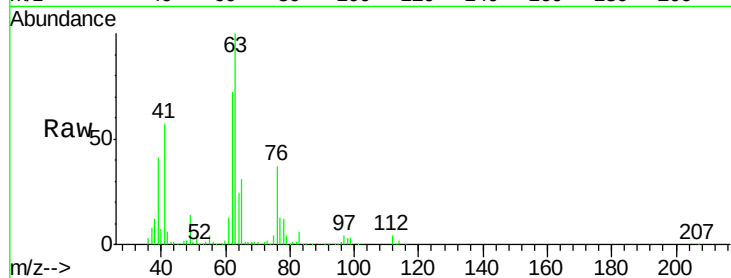
#45
 1,2-Dichloropropane
 Concen: 20.93 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.8	37.2

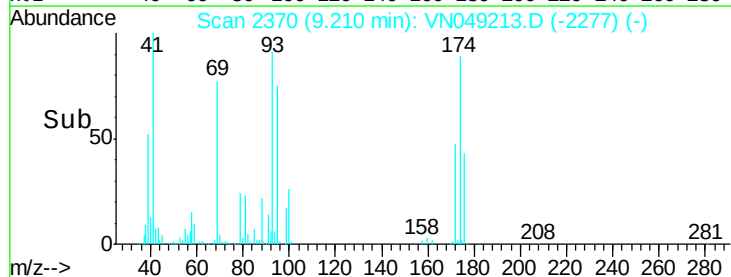
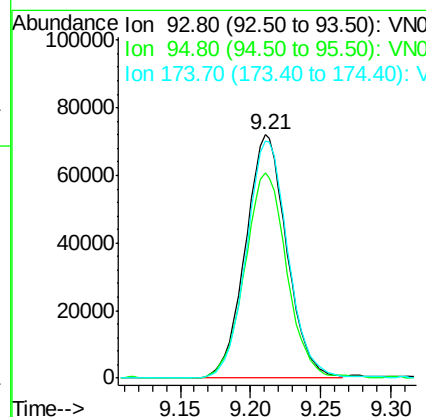
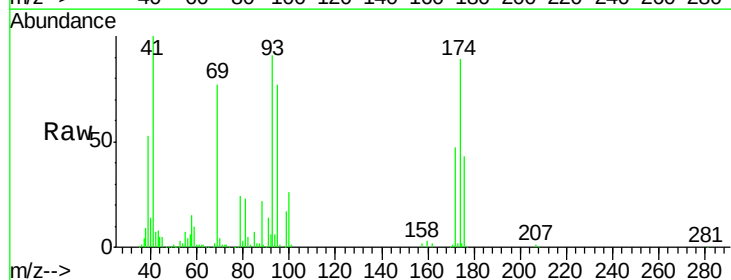
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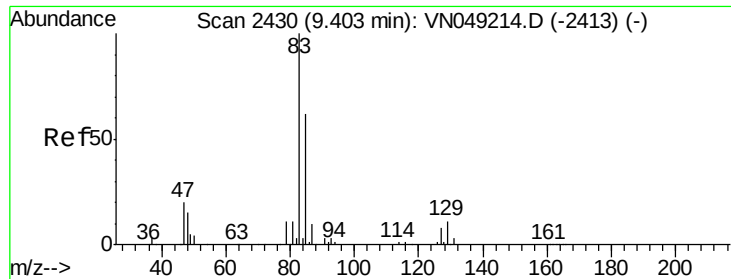
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#46
 Dibromomethane
 Concen: 20.13 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	67.2	100.8
174	98.6	75.6	113.4





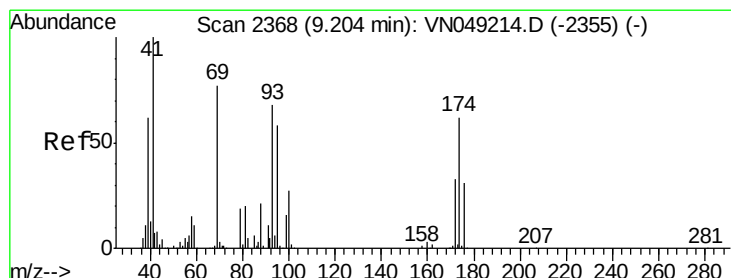
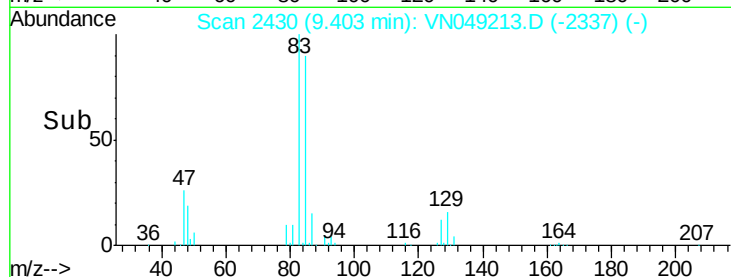
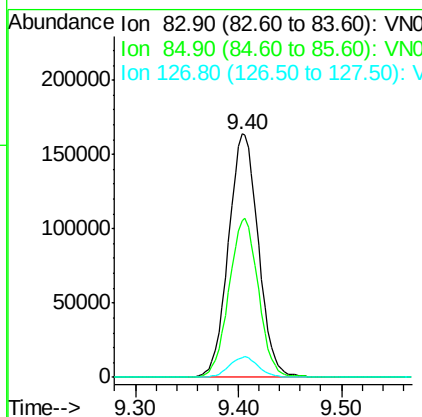
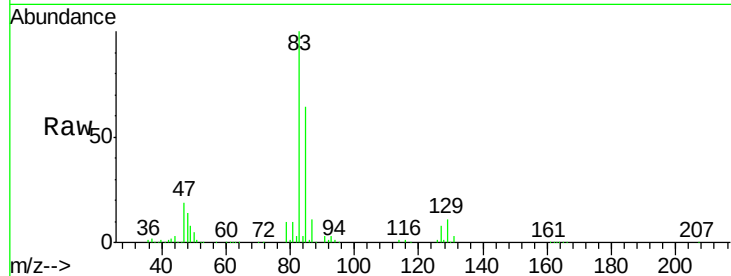
#47
Bromodichloromethane
Concen: 20.38 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.4	74.0
127	8.3	6.3	9.5

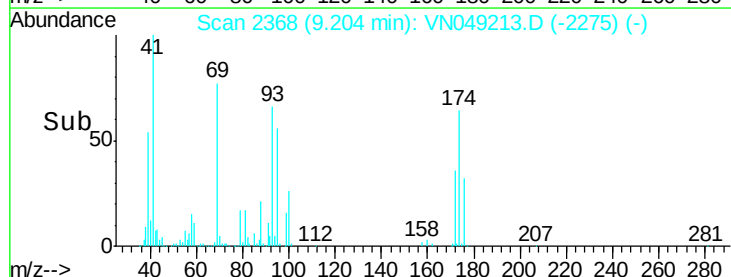
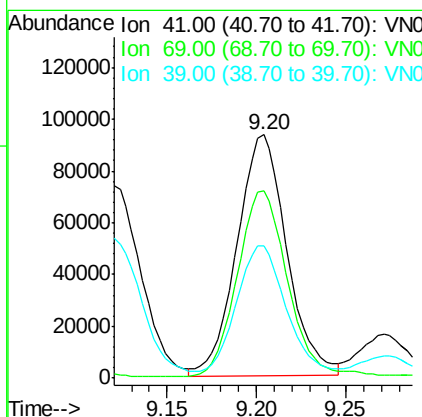
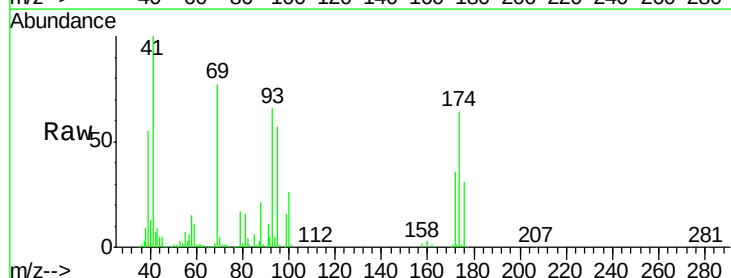
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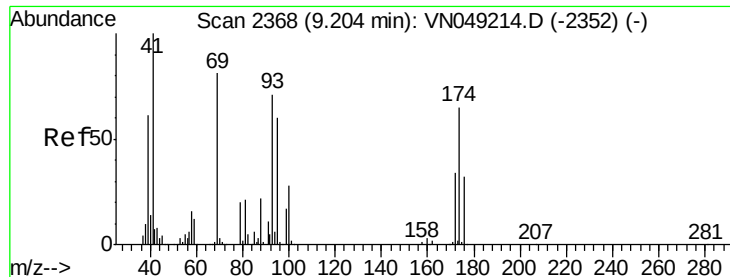
apatel
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#48
Methyl methacrylate
Concen: 19.39 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.2	62.0	93.0
39	56.3	50.6	75.8





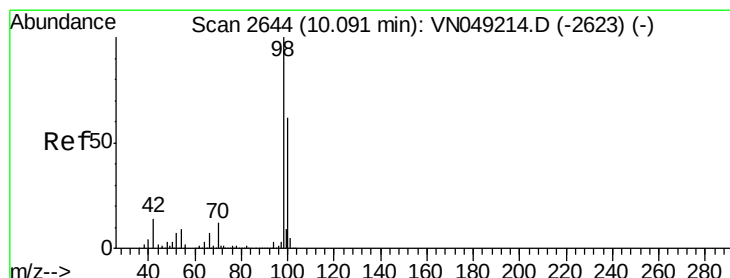
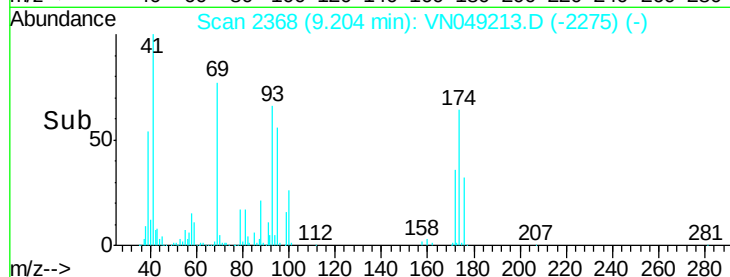
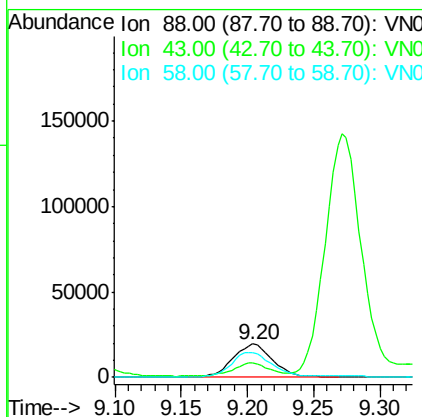
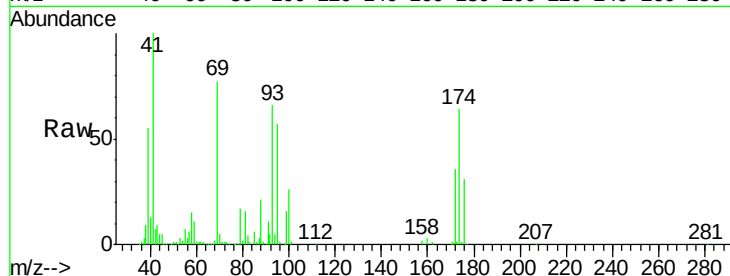
#49
1,4-Dioxane
Concen: 387.26 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	40649
Ion	Ratio	Lower	Upper
88	100		
43	35.7	30.9	46.3
58	77.6	58.9	88.3

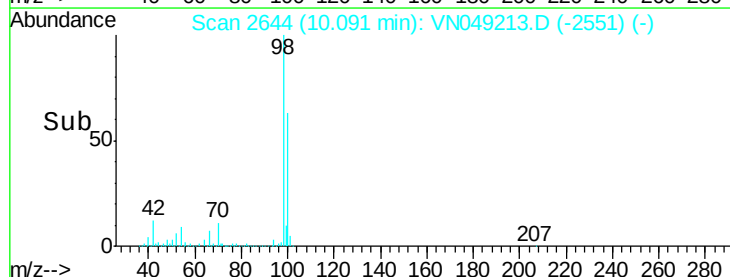
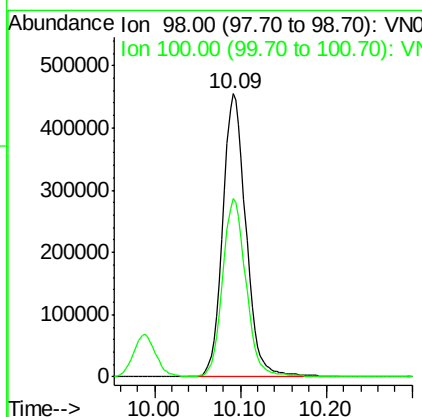
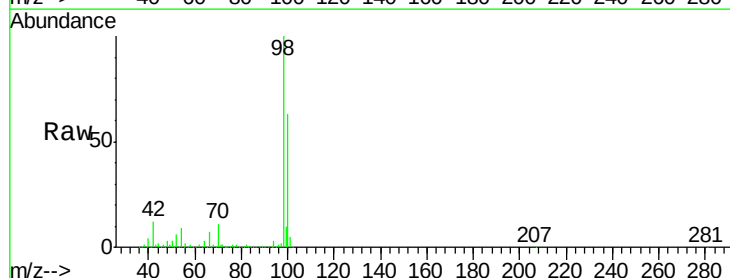
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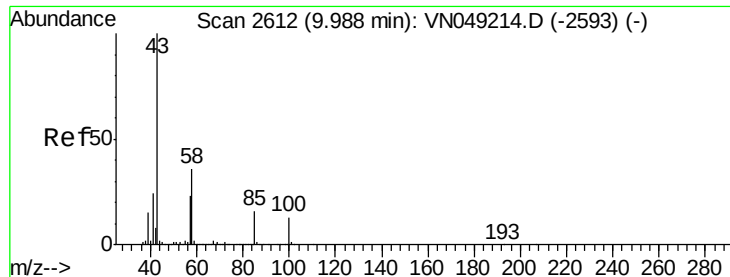
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#50
Toluene-d8
Concen: 21.04 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	98	Resp	857400
Ion	Ratio	Lower	Upper
98	100		
100	63.5	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 98.23 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1016471

Ion Ratio Lower Upper

43 100

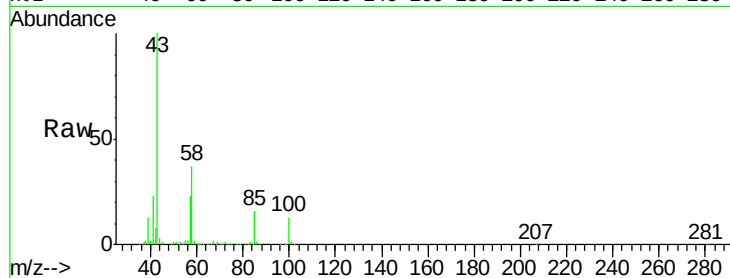
58 36.7 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

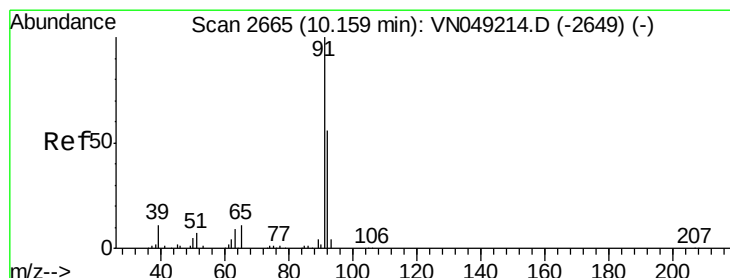
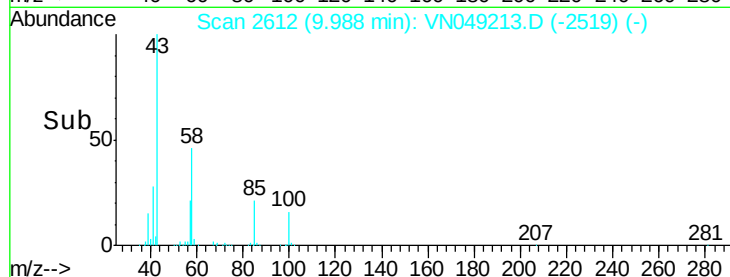
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.19 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049213.D

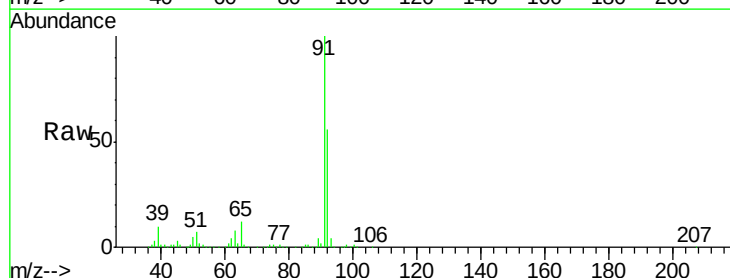
Acq: 13 Jun 2018 21:01

Tgt Ion: 92 Resp: 580541

Ion Ratio Lower Upper

92 100

91 178.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

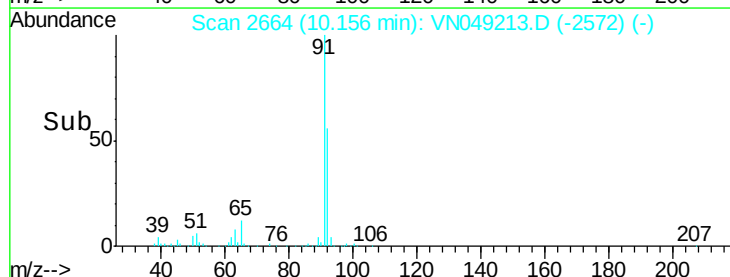
100000

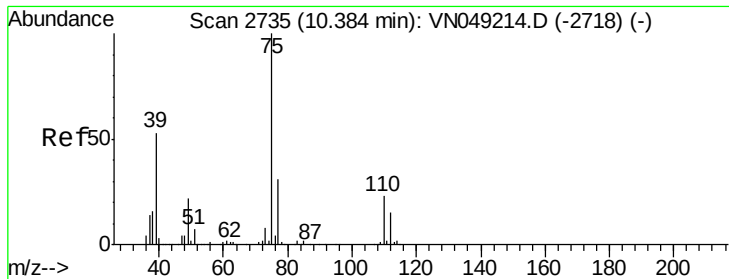
0

10.10

10.20

Time-->





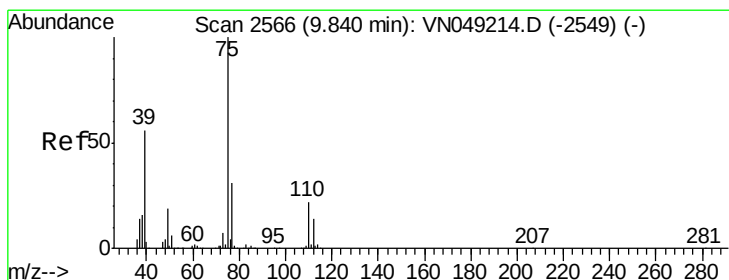
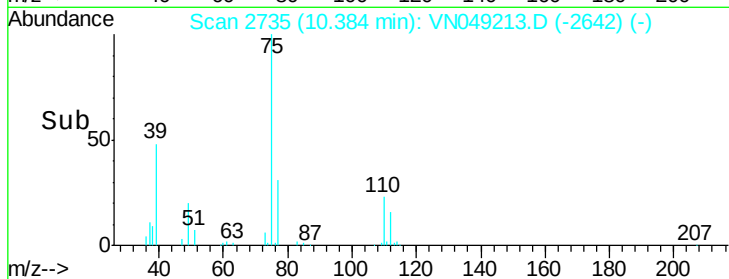
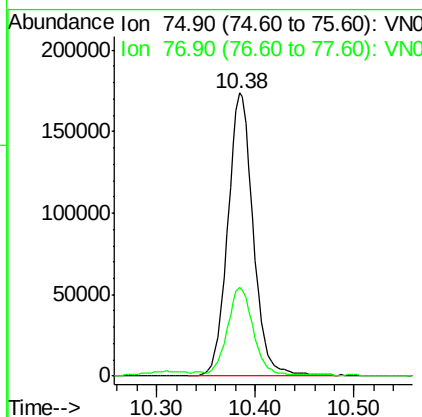
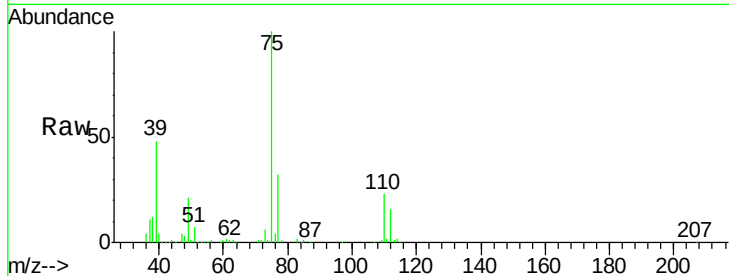
#53
t-1,3-Dichloropropene
Concen: 19.36 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8

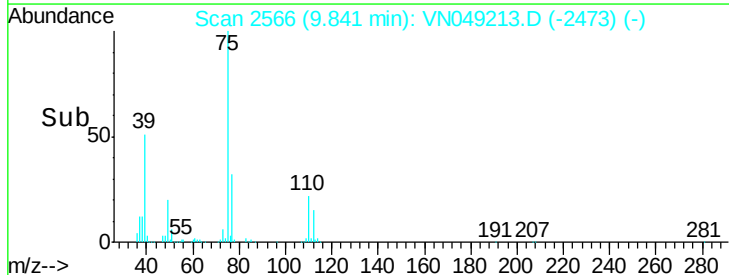
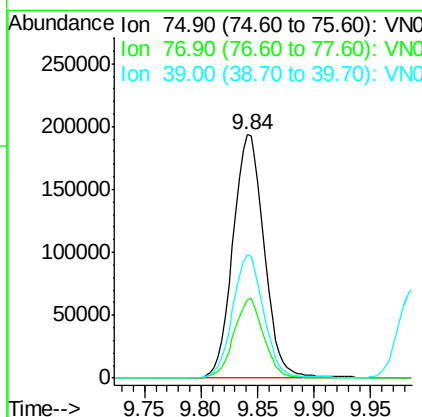
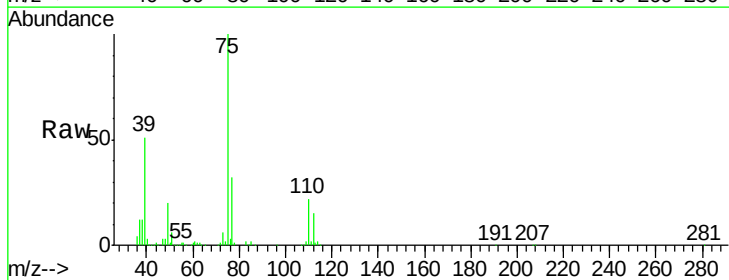
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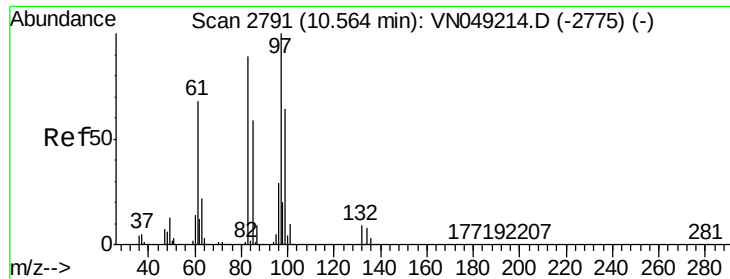
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#54
cis-1,3-Dichloropropene
Concen: 19.81 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	50.7	45.1	67.7





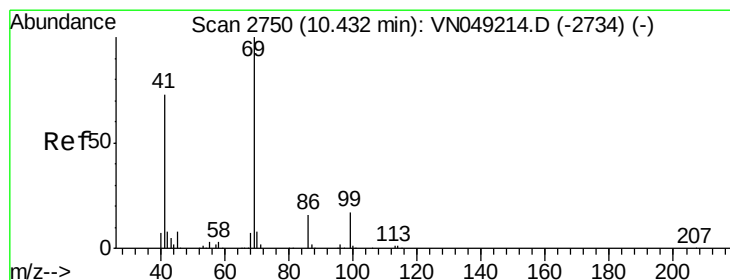
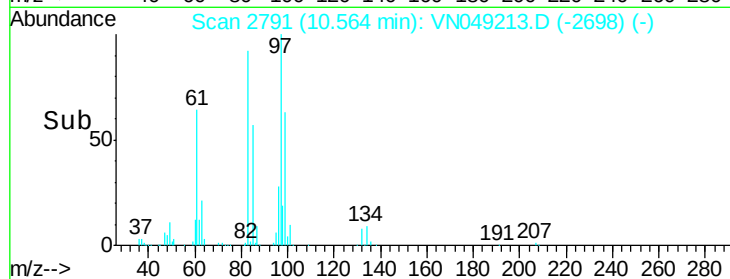
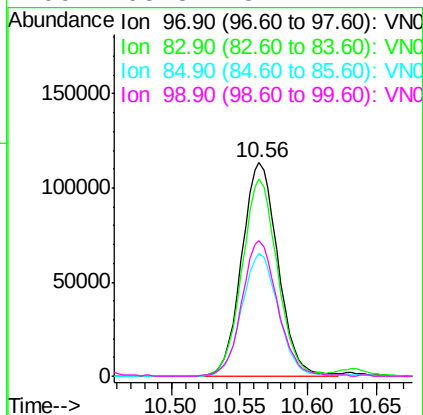
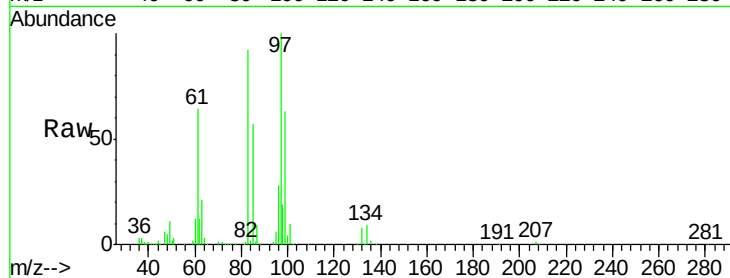
#55
 1,1,2-Trichloroethane
 Concen: 20.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	209473
Ion	Ratio	Lower	Upper
97	100		
83	92.4	71.5	107.3
85	57.5	47.0	70.4
99	63.3	51.4	77.2

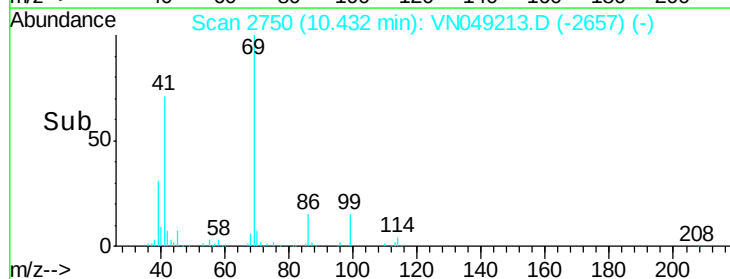
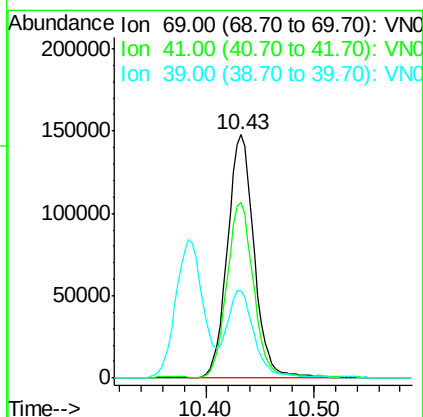
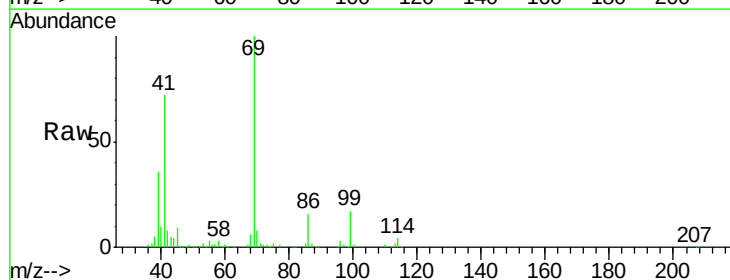
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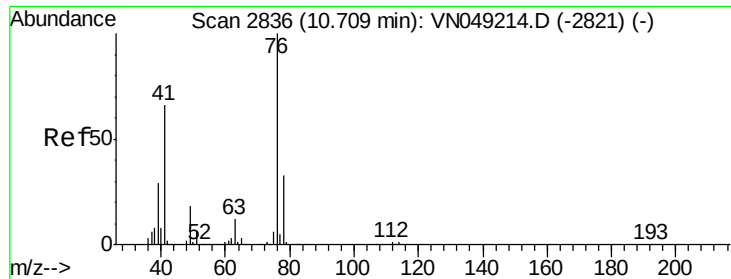
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#56
 Ethyl methacrylate
 Concen: 19.10 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion:	69	Resp:	254224
Ion	Ratio	Lower	Upper
69	100		
41	71.3	58.4	87.6
39	36.8	35.5	53.3





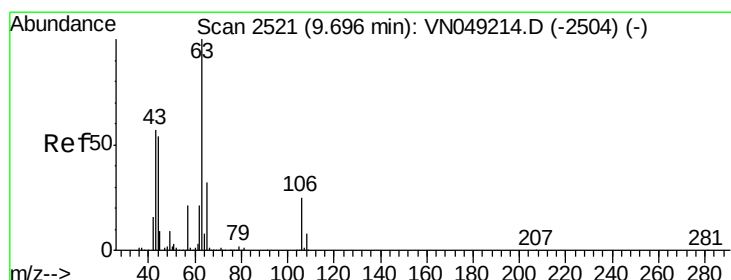
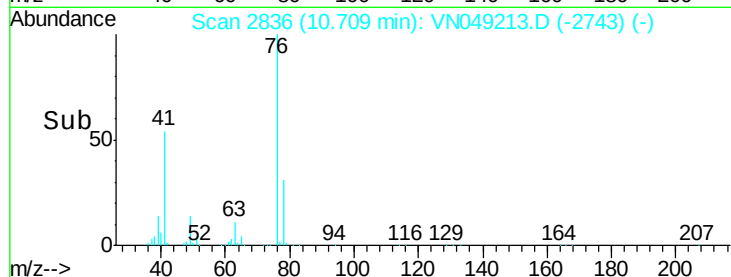
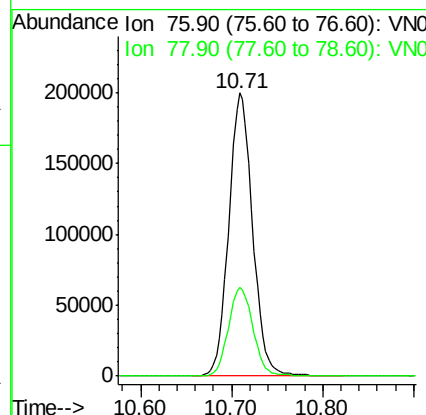
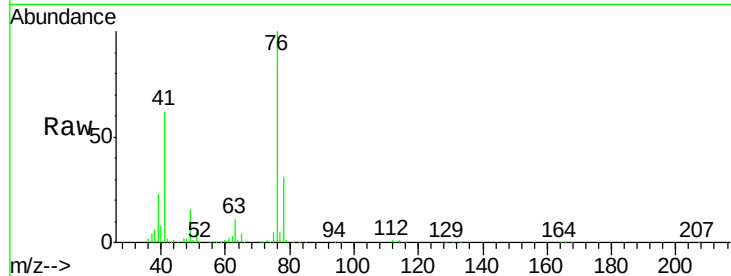
#57
 1,3-Dichloropropane
 Concen: 20.35 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

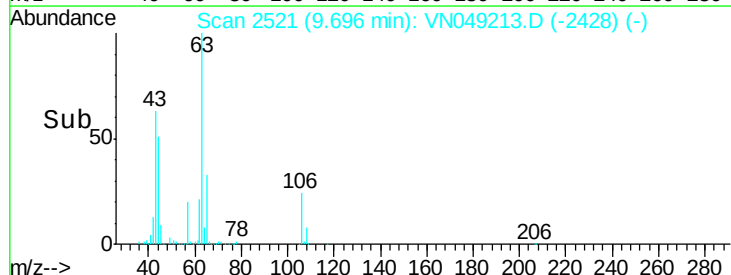
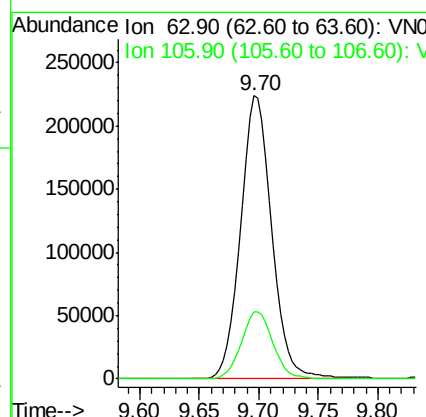
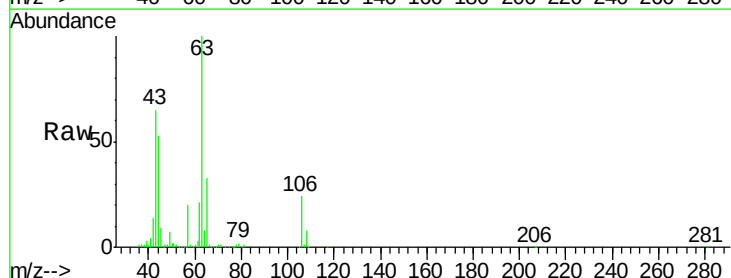
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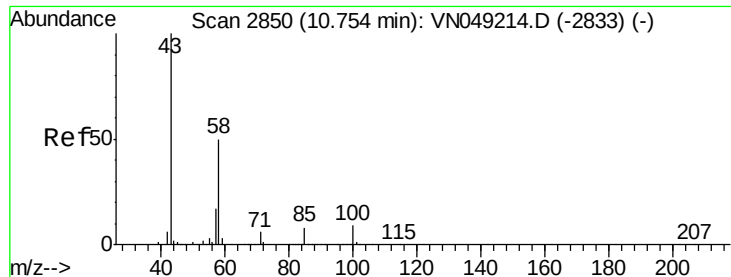
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.32 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	19.4	29.2





#59

2-Hexanone

Concen: 94.17 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 627209

Ion Ratio Lower Upper

43 100

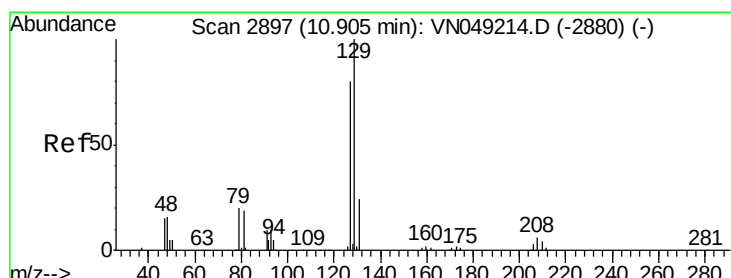
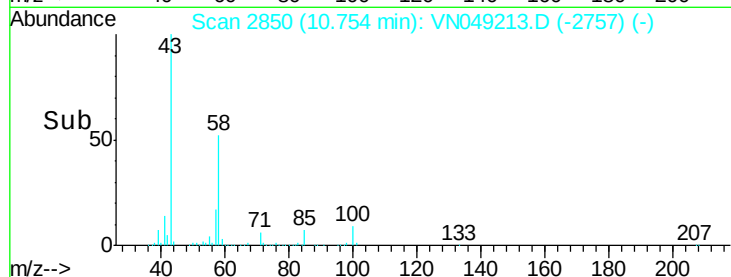
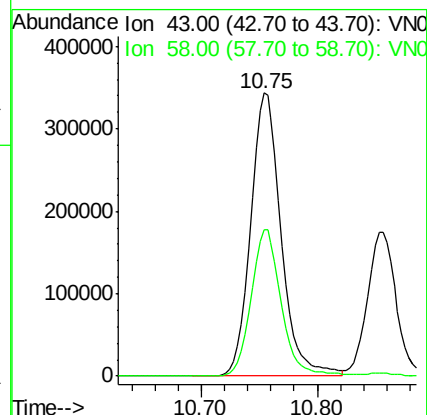
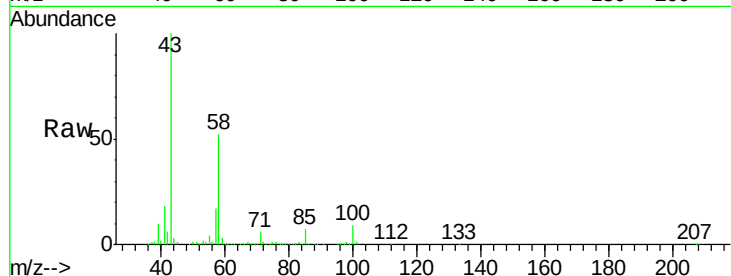
58 51.3 25.2 75.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.25 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049213.D

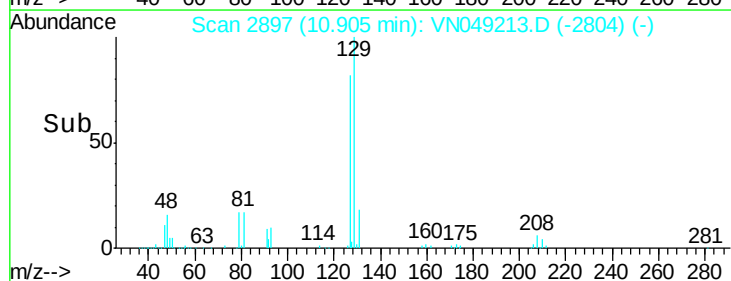
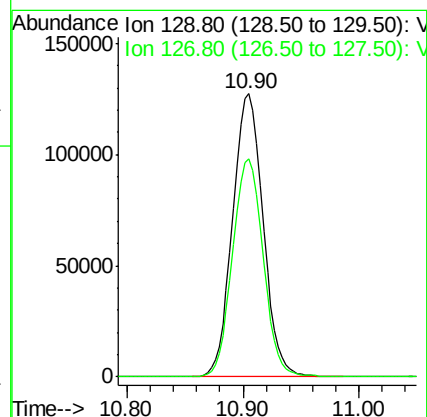
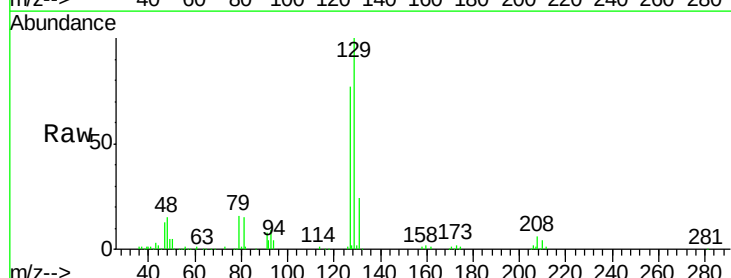
Acq: 13 Jun 2018 21:01

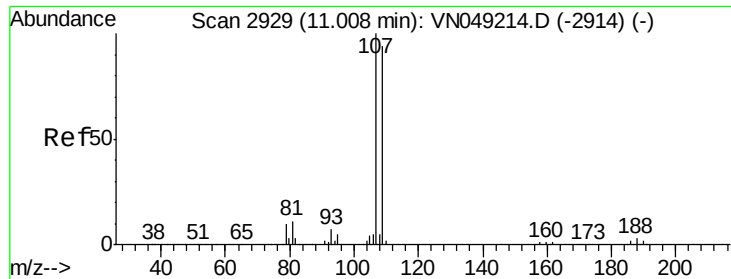
Tgt Ion: 129 Resp: 231702

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.2





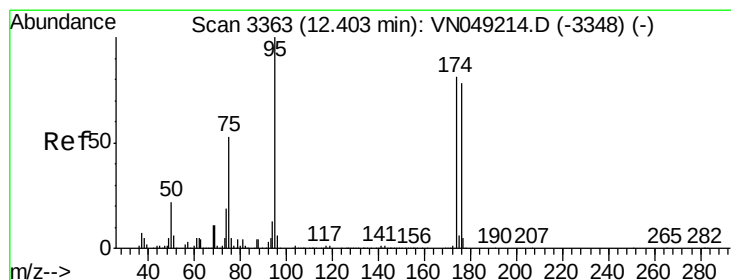
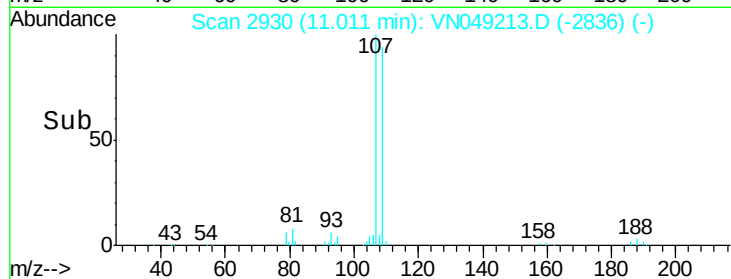
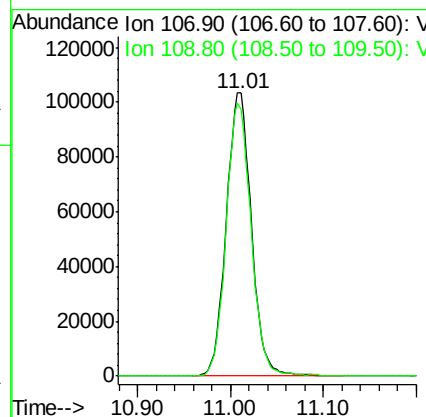
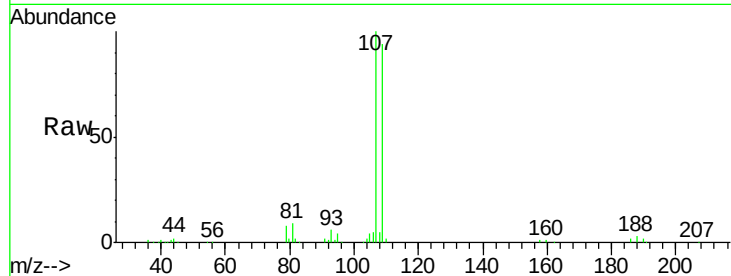
#61
 1,2-Dibromoethane
 Concen: 20.23 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.2

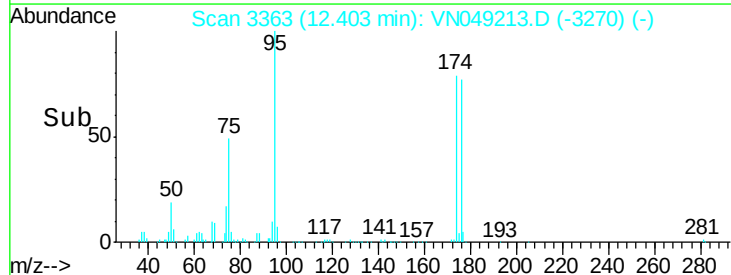
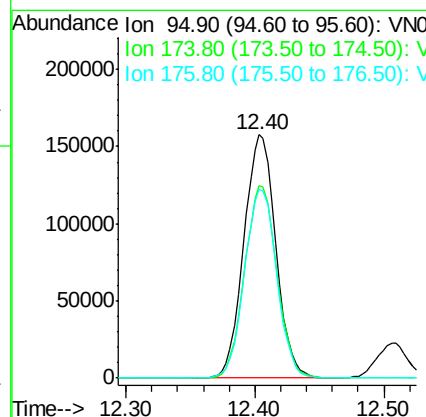
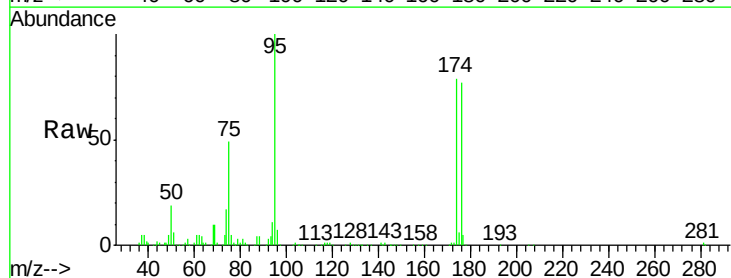
Manual Integrations
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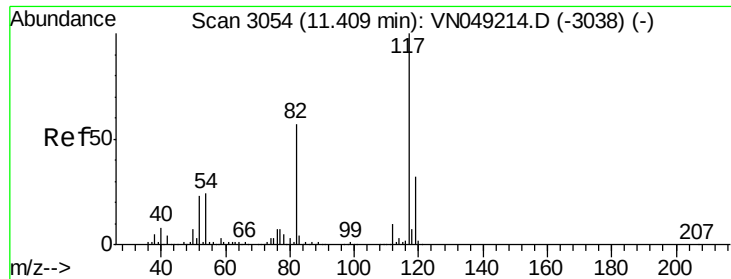
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.03 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	165.6
176	78.2	0.0	157.4





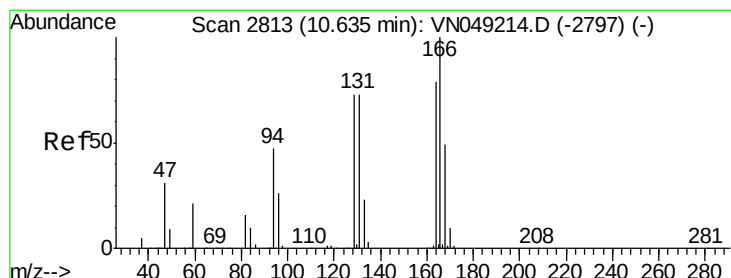
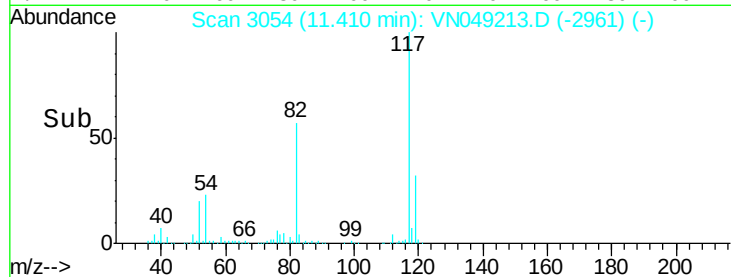
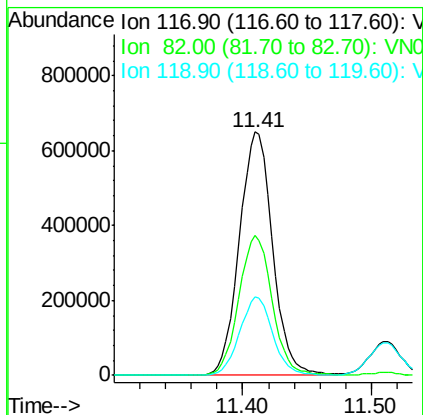
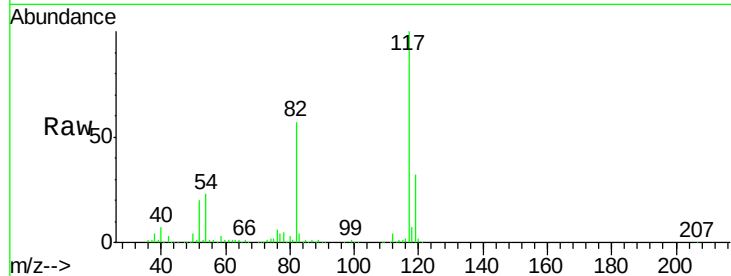
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	32.1	25.5	38.3

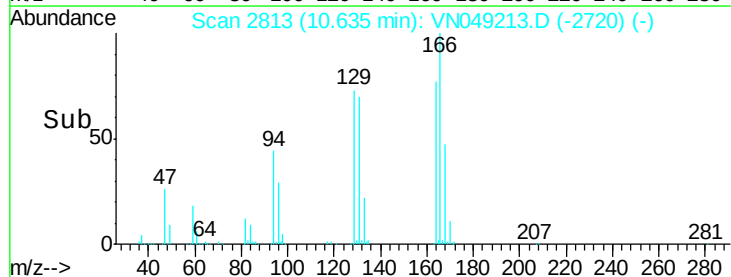
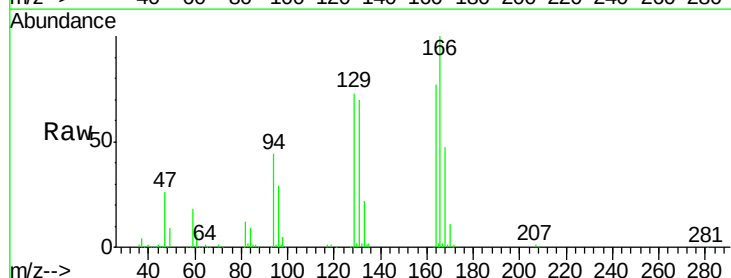
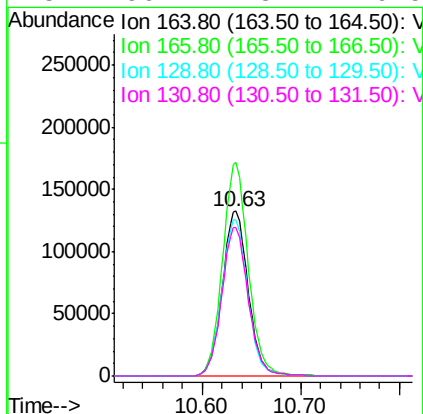
Manual Integrations
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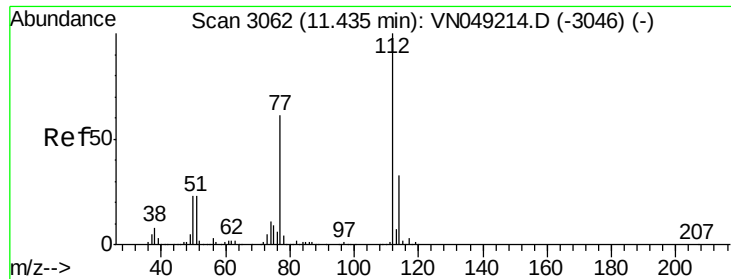
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#64
Tetrachloroethene
Concen: 21.63 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.4	152.2
129	94.5	74.1	111.1
131	90.1	73.7	110.5





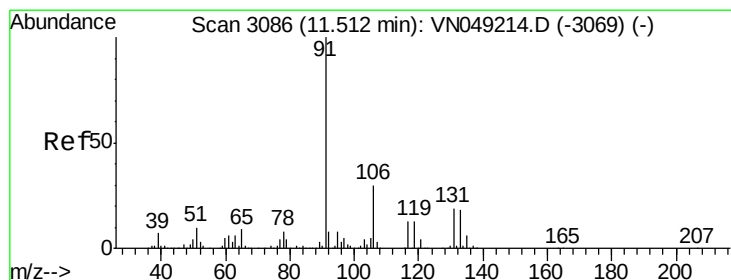
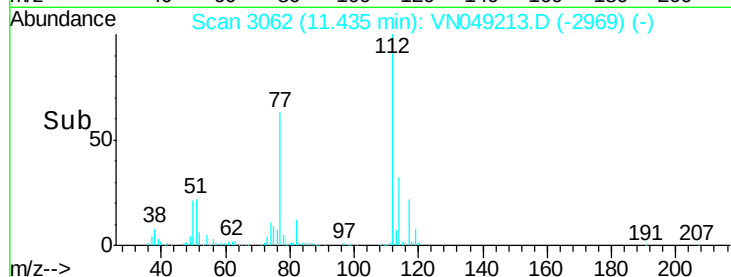
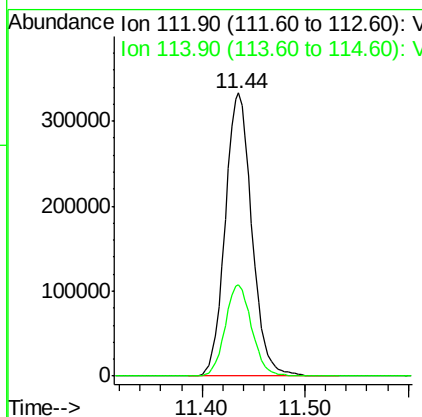
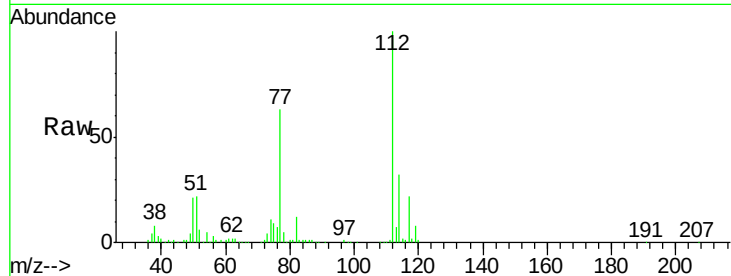
#65
Chlorobenzene
Concen: 19.95 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.2	39.4

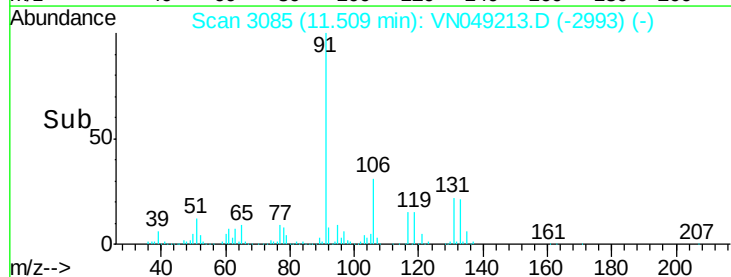
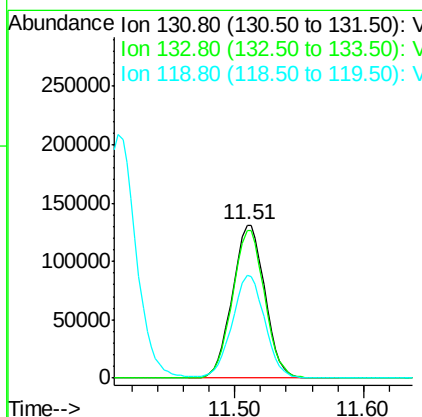
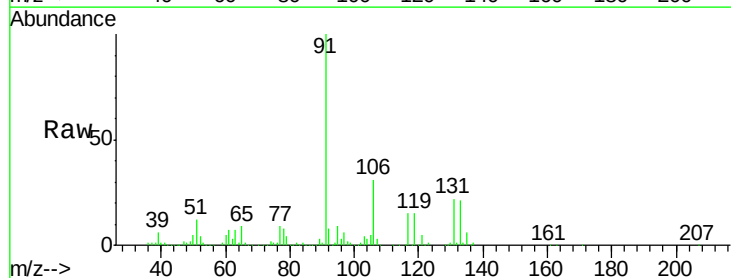
Manual Integrations
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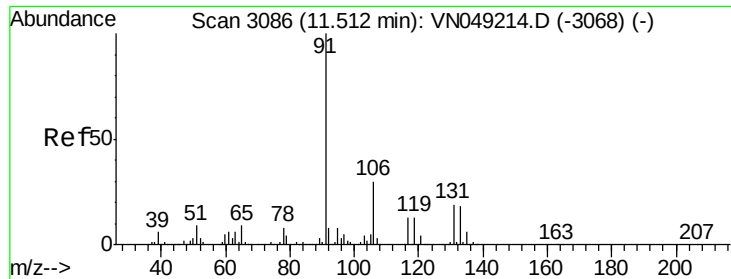
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.47 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.0	144.2
119	67.6	33.6	100.8





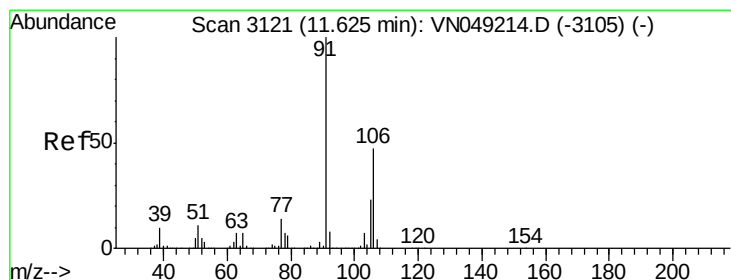
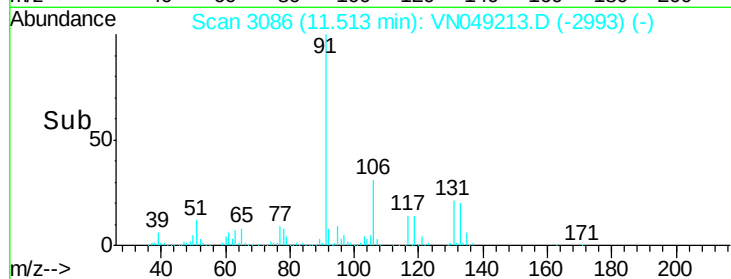
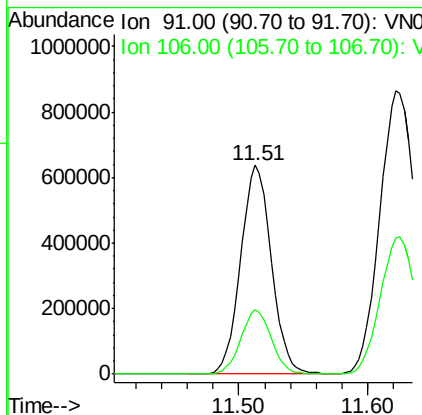
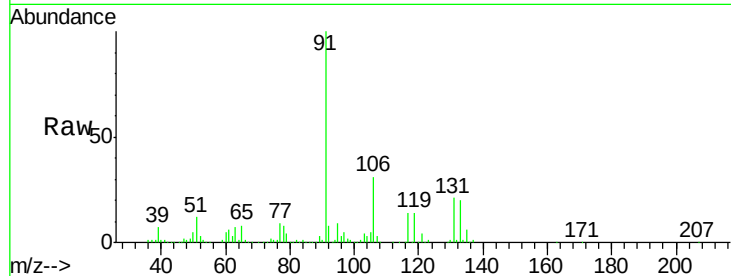
#67
Ethyl Benzene
Concen: 19.77 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 1057707
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9

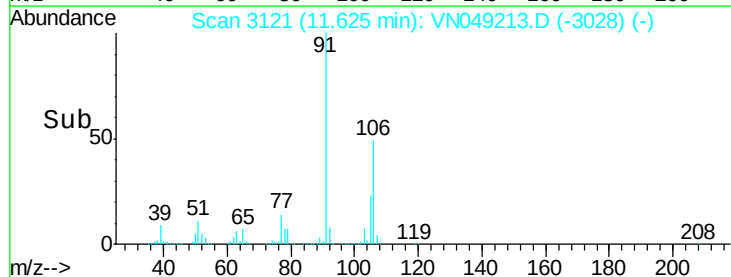
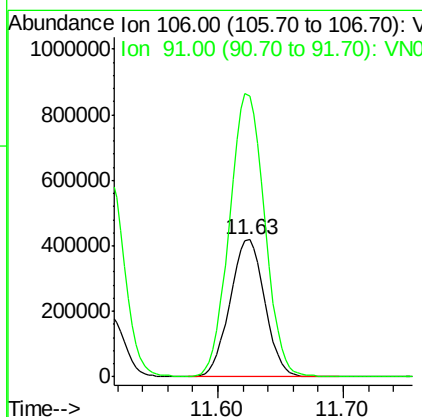
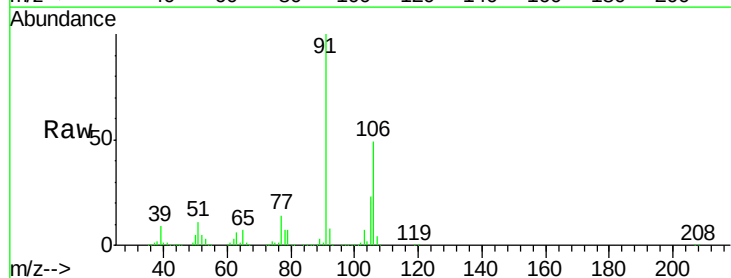
Manual Integrations
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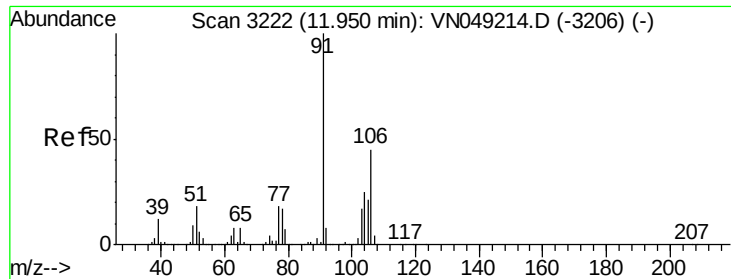
apatel
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#68
m/p-Xylenes
Concen: 40.55 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion: 106 Resp: 806572
Ion Ratio Lower Upper
106 100
91 208.7 167.3 250.9





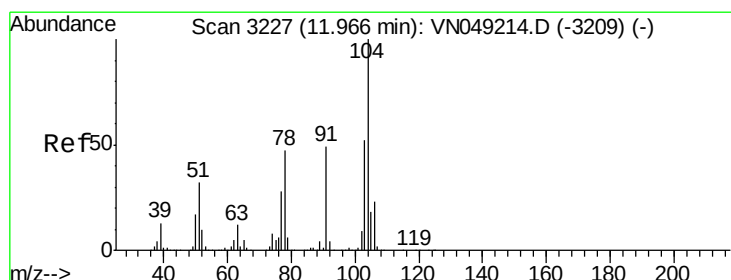
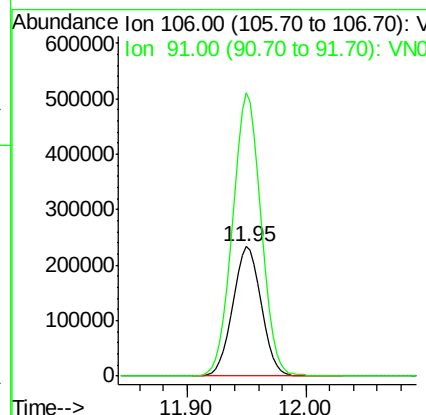
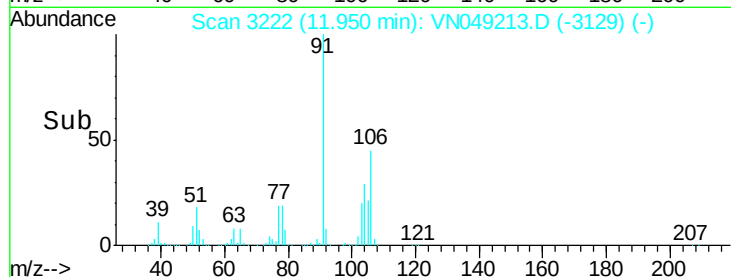
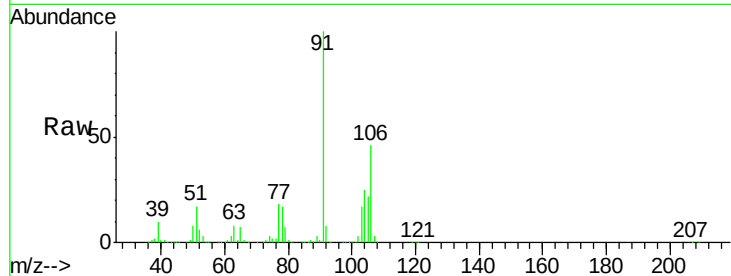
#69
o-Xylene
Concen: 20.30 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		388094		
91	218.3	111.0	333.0		

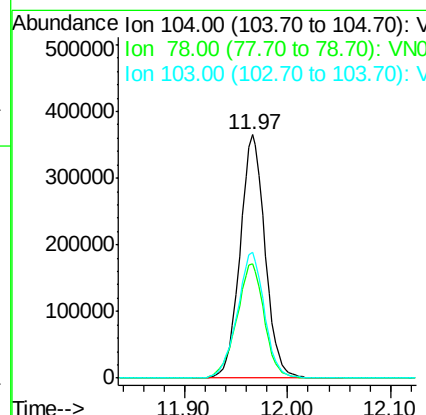
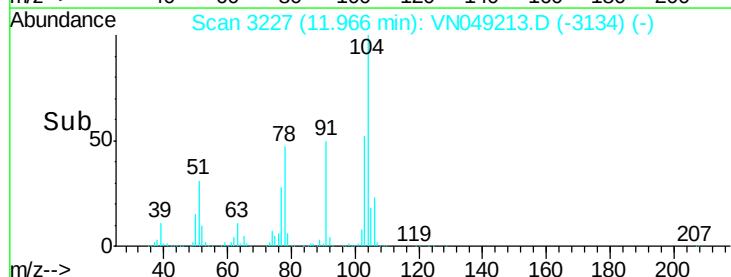
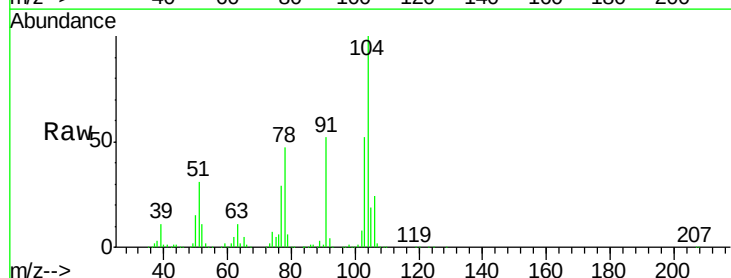
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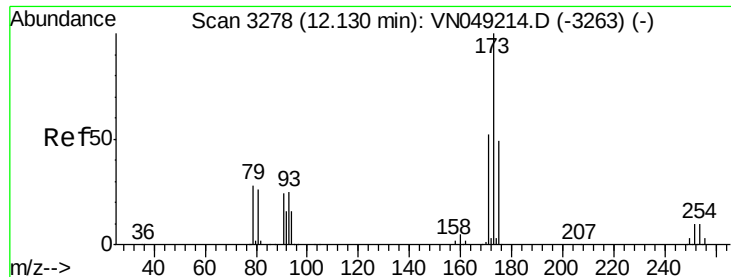
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#70
Styrene
Concen: 20.07 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		616624		
78	51.8	41.6	62.4		
103	56.1	45.4	68.2		





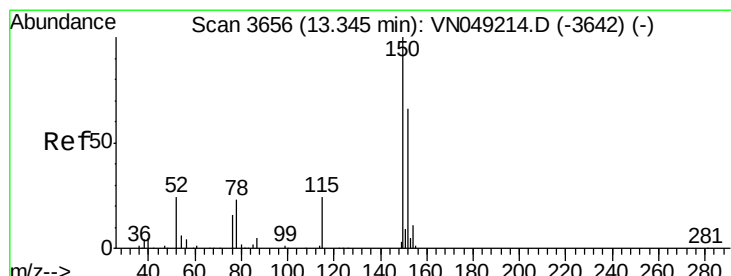
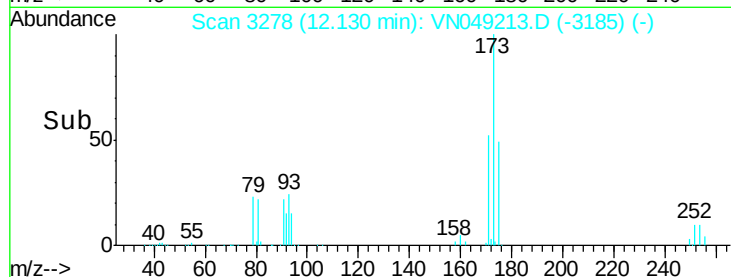
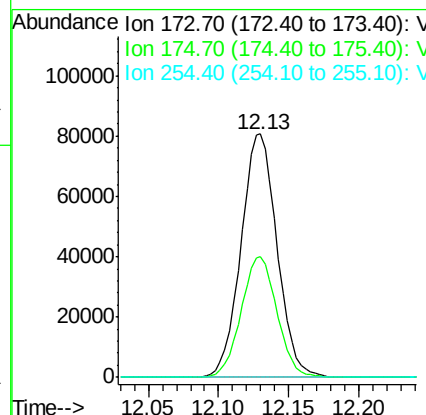
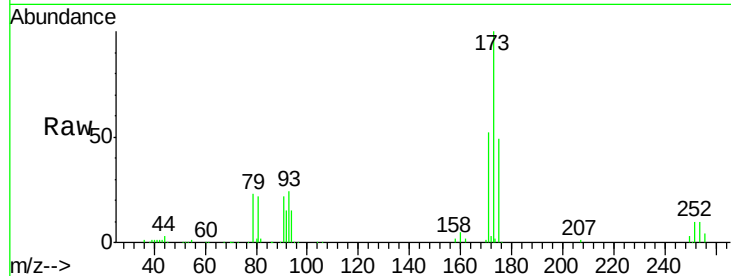
#71
Bromoform
Concen: 19.69 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.5	73.5
254	0.0	0.1	0.1#

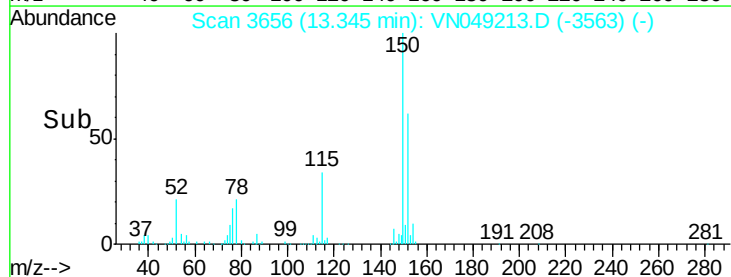
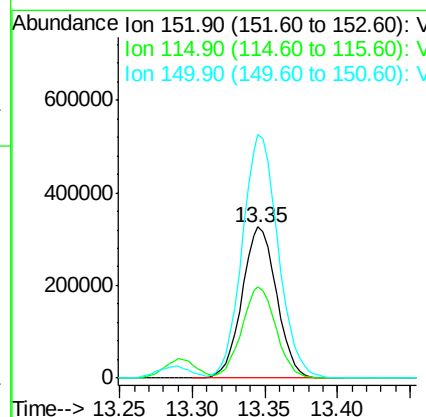
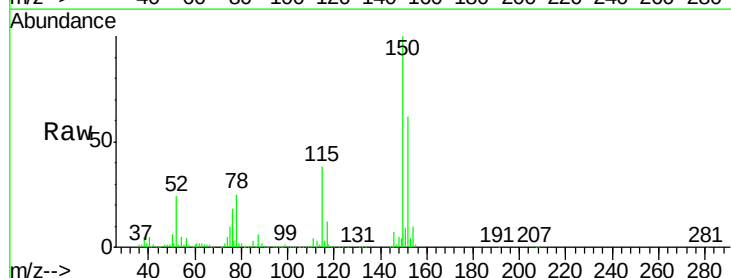
Manual Integrations
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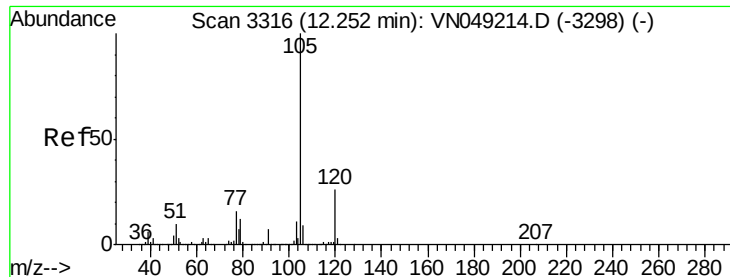
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049213.D
Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	28.7	86.1
150	167.5	0.0	351.0





#73

Isopropylbenzene

Concen: 20.47 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 1023719

Ion Ratio Lower Upper

105 100

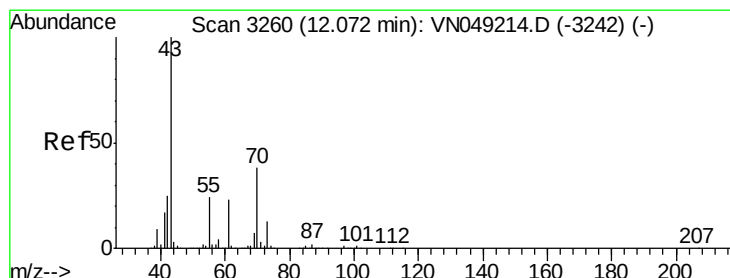
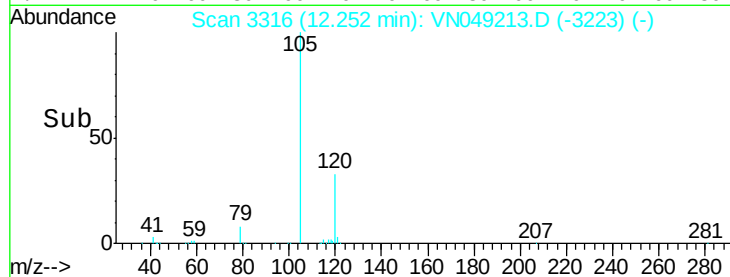
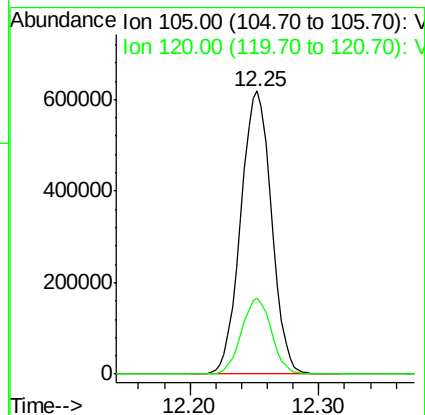
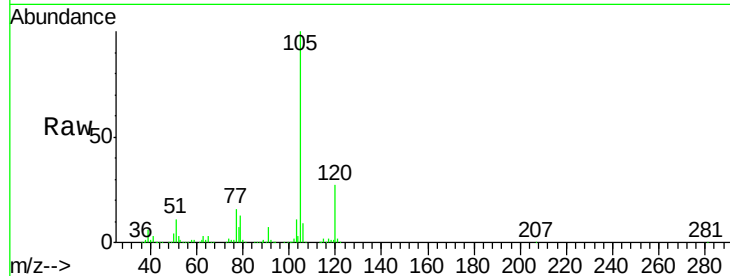
120 26.1 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion: 43 Resp: 285100

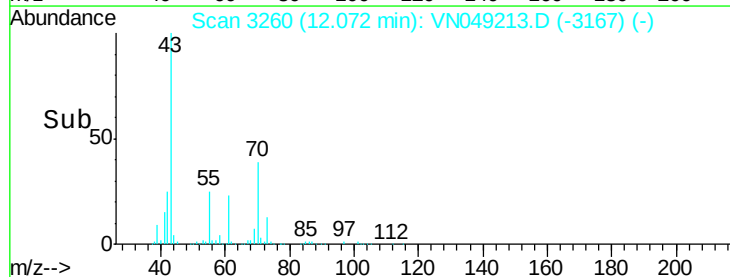
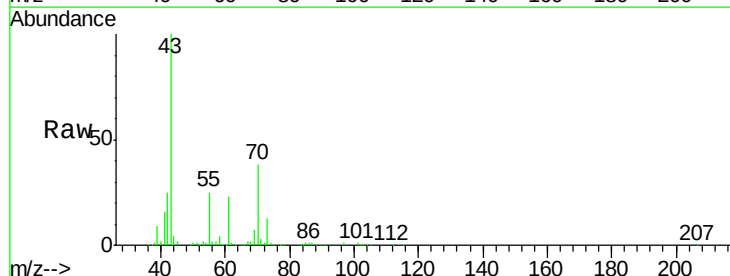
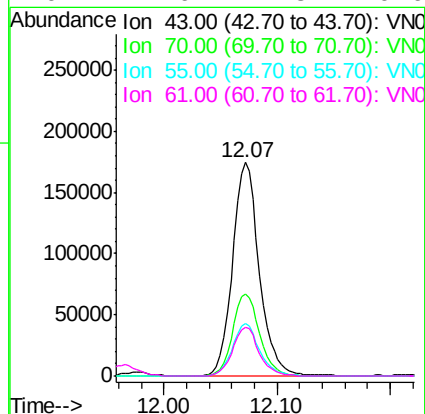
Ion Ratio Lower Upper

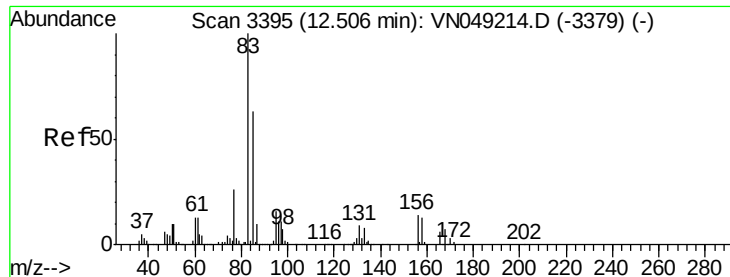
43 100

70 38.8 30.3 45.5

55 25.0 19.4 29.2

61 22.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

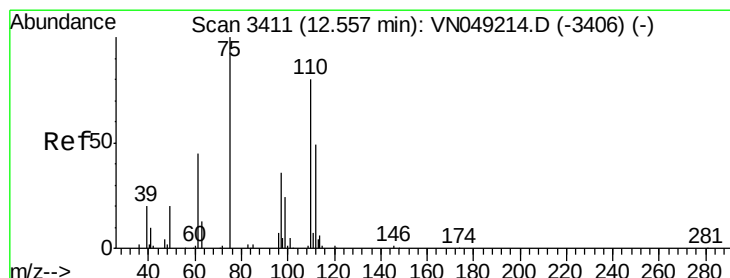
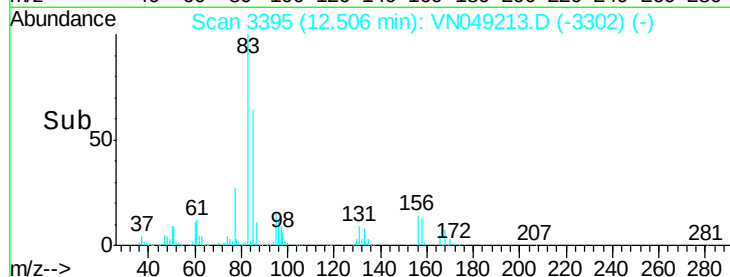
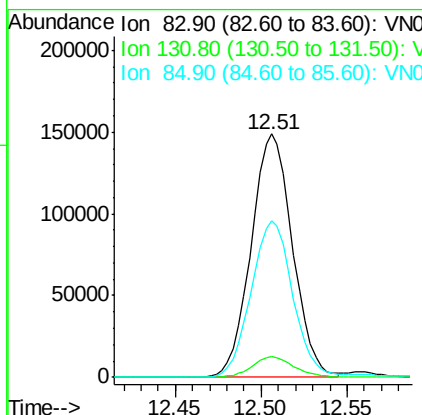
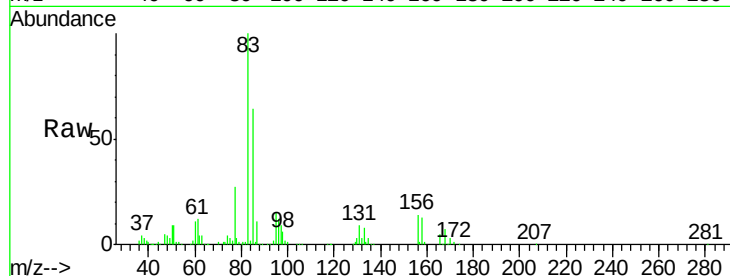
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	247702
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.0	15.0
85	64.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.94 ug/l m

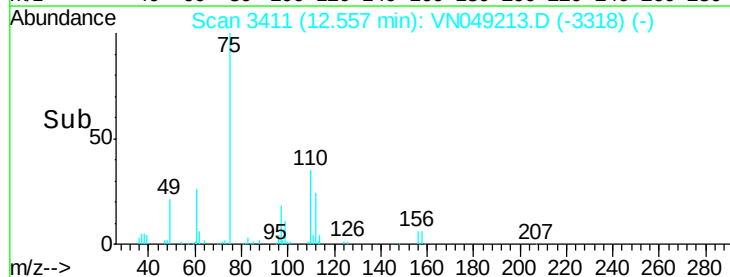
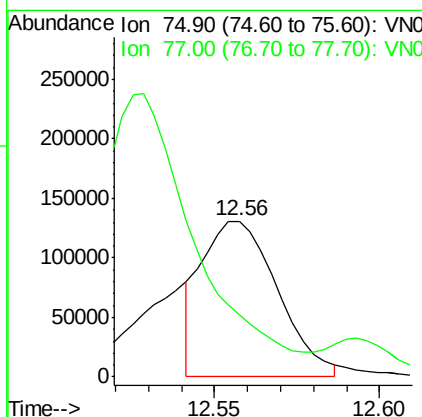
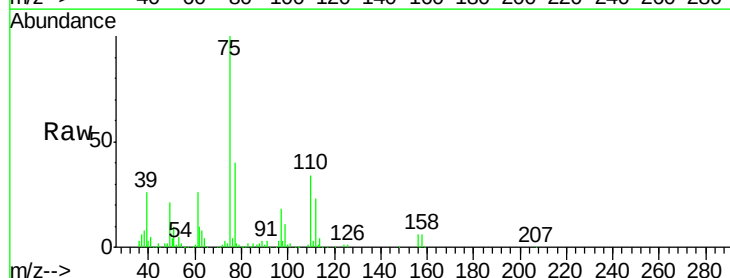
RT: 12.56 min Scan# 3411

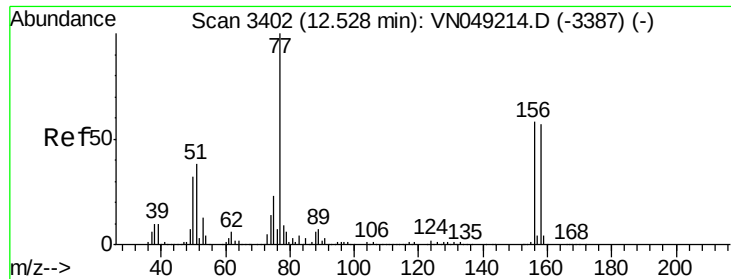
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	75	Resp:	207155
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.82 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

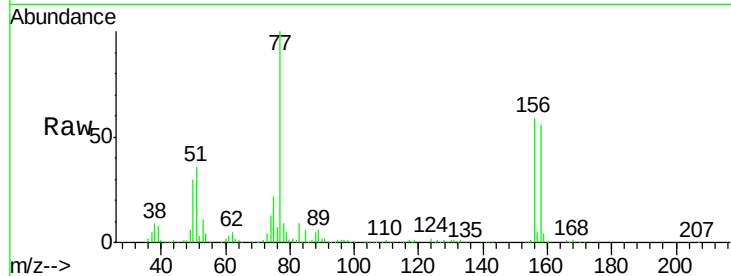
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.4	100.8	302.4
158	95.8	49.3	147.9

Manual Integrations
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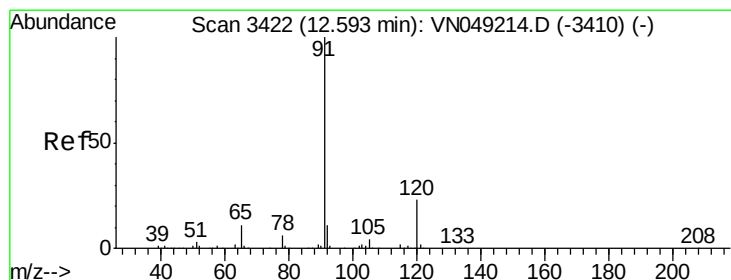
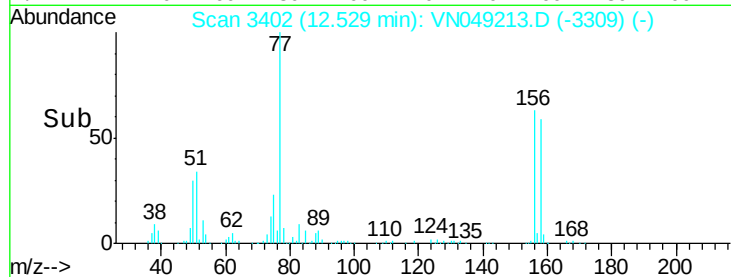
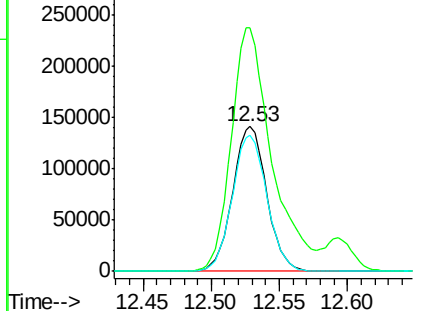
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.63 ug/l

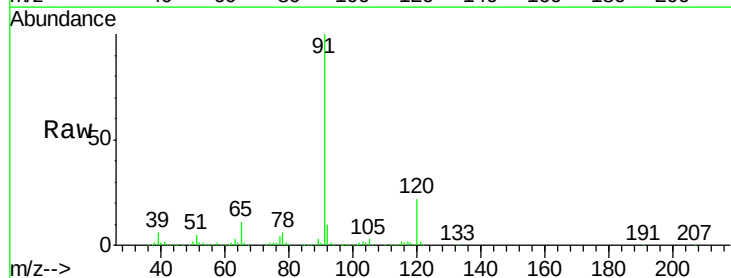
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049213.D

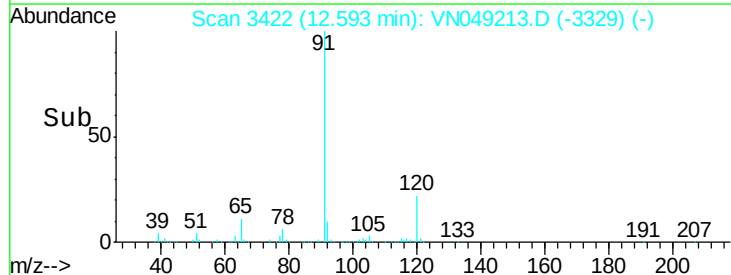
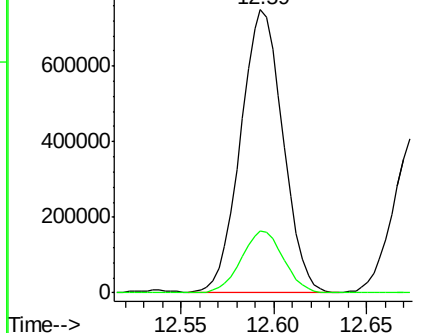
Acq: 13 Jun 2018 21:01

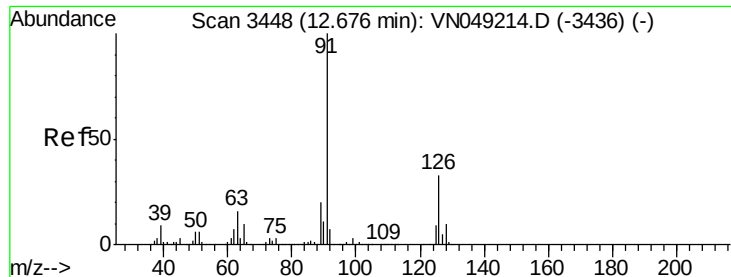
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.91 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 725325

Ion Ratio Lower Upper

91 100

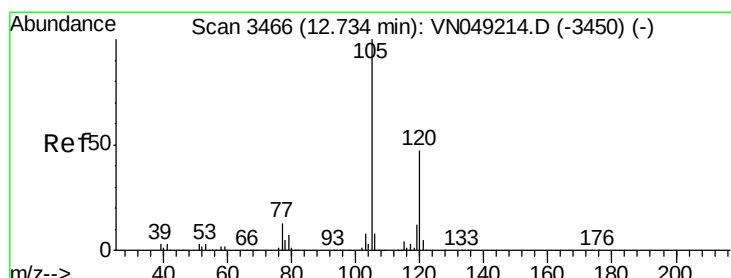
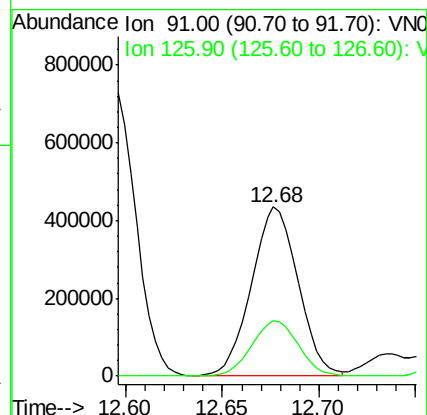
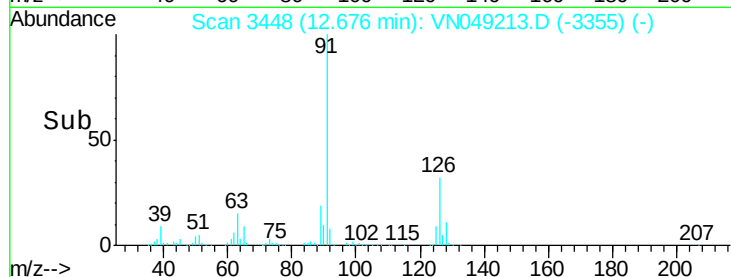
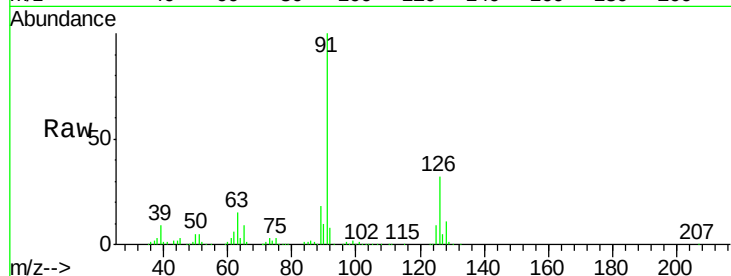
126 33.1 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.88 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049213.D

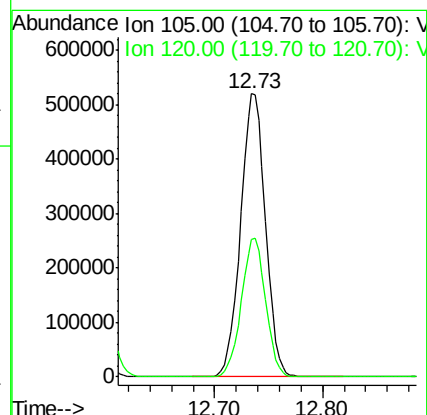
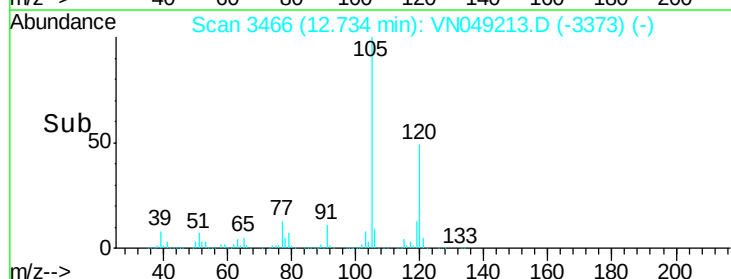
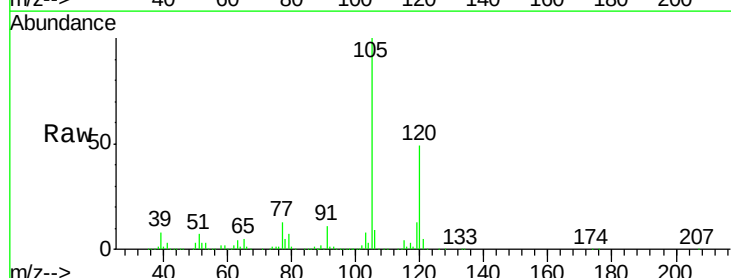
Acq: 13 Jun 2018 21:01

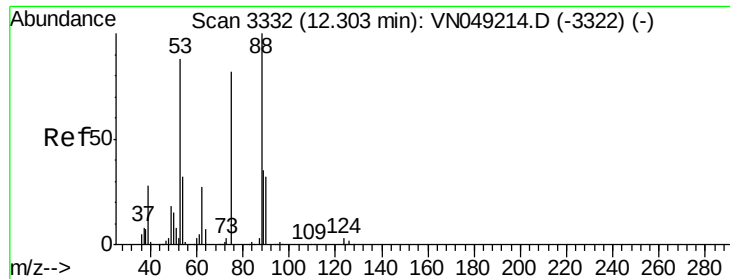
Tgt Ion: 105 Resp: 834377

Ion Ratio Lower Upper

105 100

120 48.1 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.23 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

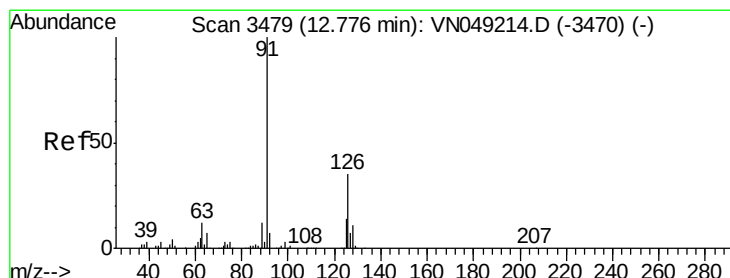
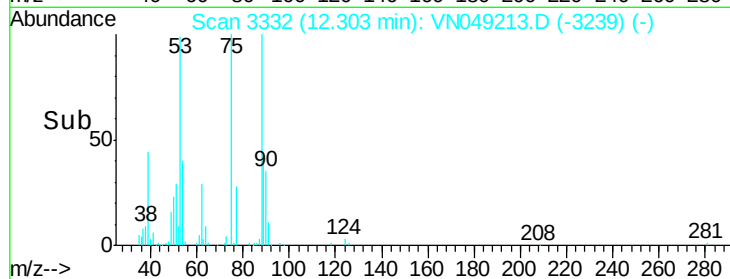
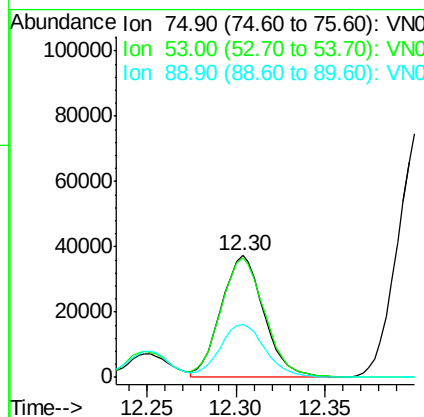
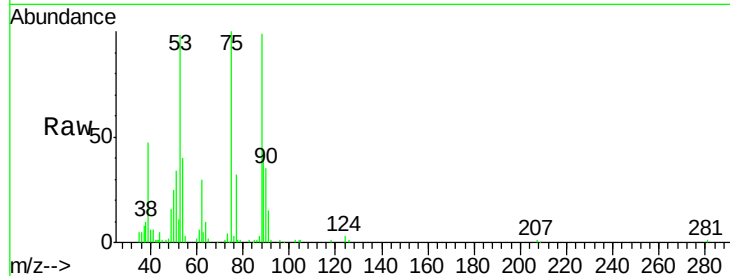
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	62641
Ion	Ratio	Lower	Upper
75	100		
53	101.1	82.7	124.1
89	44.8	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.75 ug/l

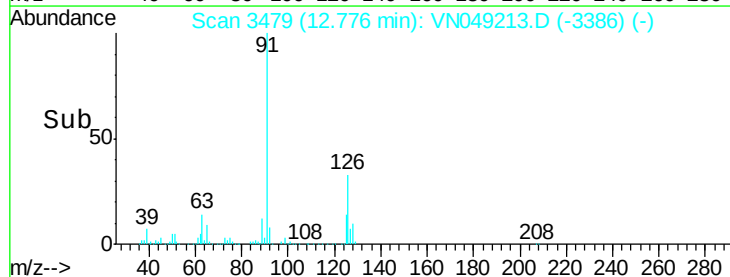
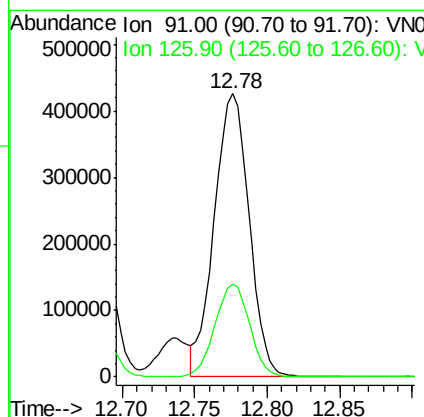
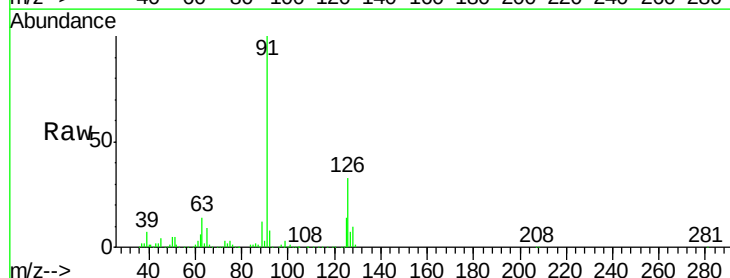
RT: 12.78 min Scan# 3479

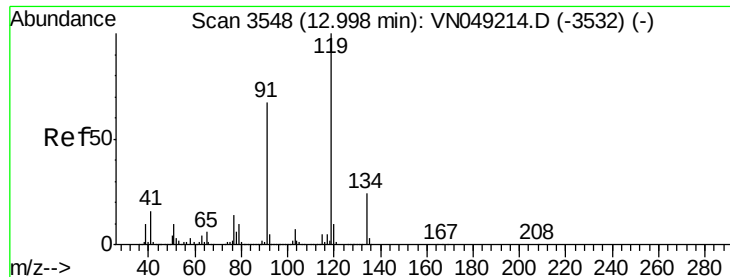
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	91	Resp:	708706
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1





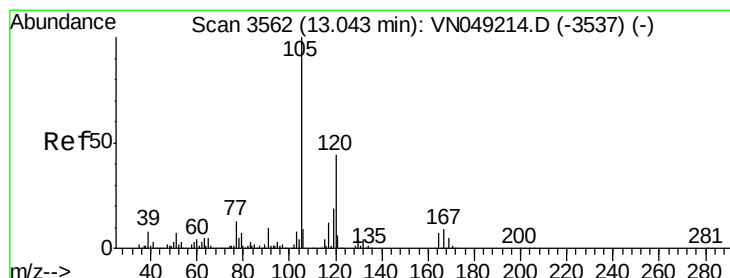
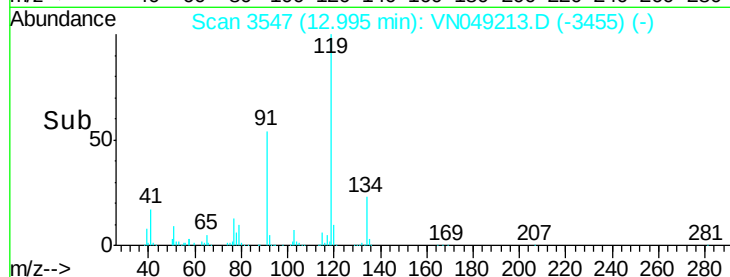
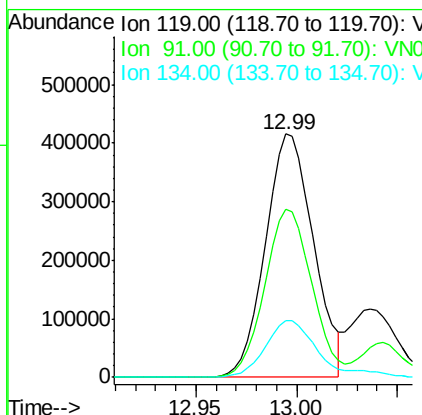
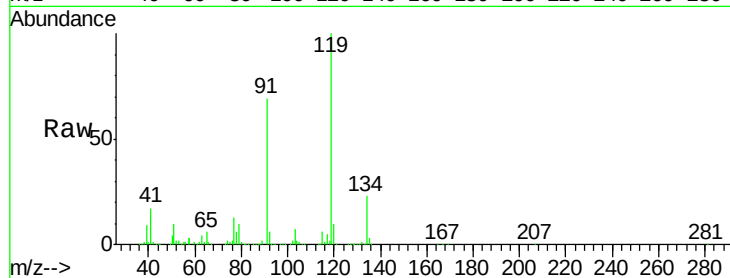
#83
 tert-Butylbenzene
 Concen: 20.43 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.7	101.0
134	23.9	12.9	38.6

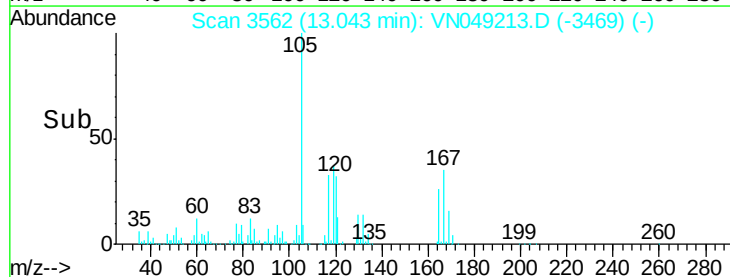
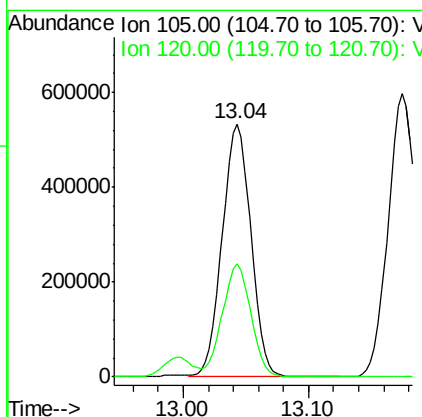
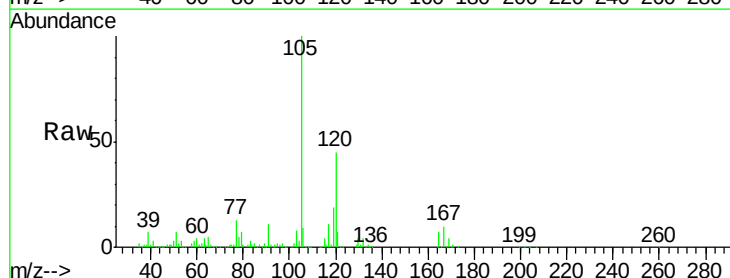
Manual Integrations
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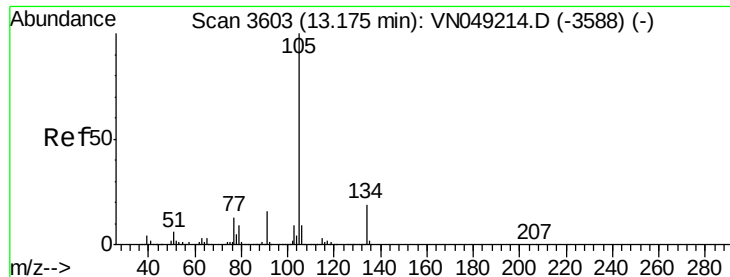
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.92 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.2	66.6





#85

sec-Butylbenzene

Concen: 20.67 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 948005

Ion Ratio Lower Upper

105 100

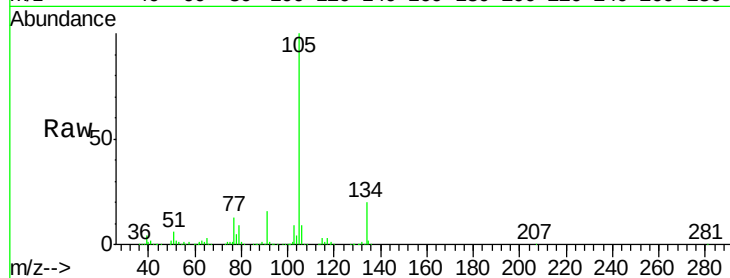
134 19.1 9.8 29.3

Manual Integrations

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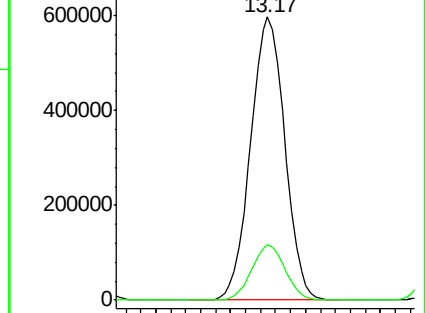
apatel

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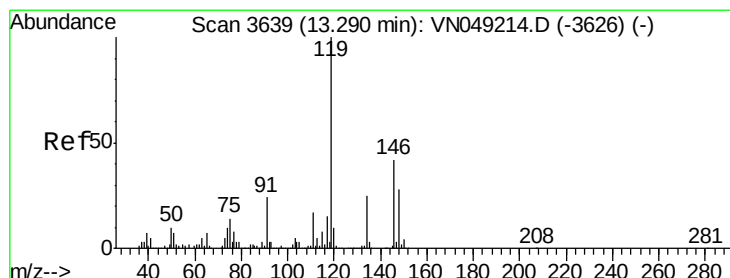
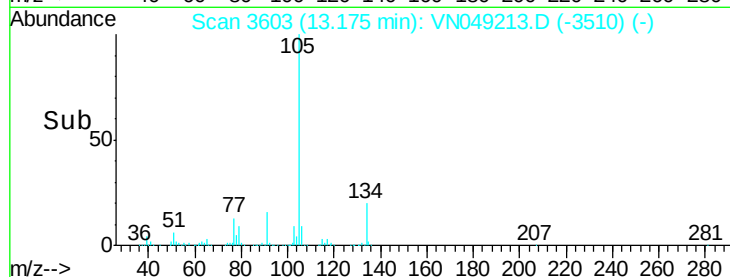


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

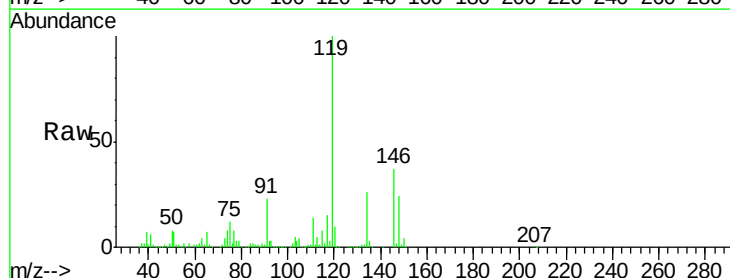
Tgt Ion:119 Resp: 773212

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

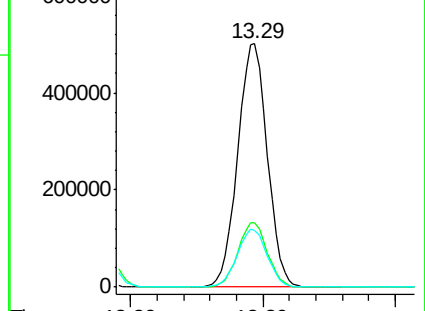
91 23.9 12.1 36.3



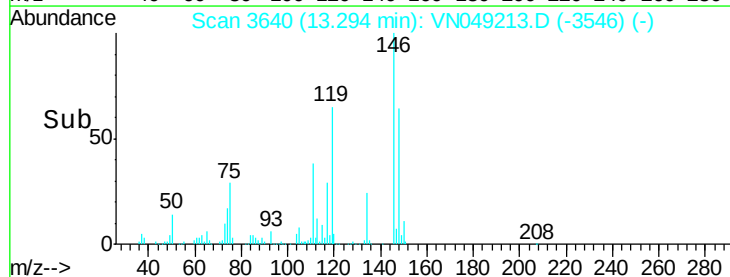
Abundance Ion 119.00 (118.70 to 119.70): V

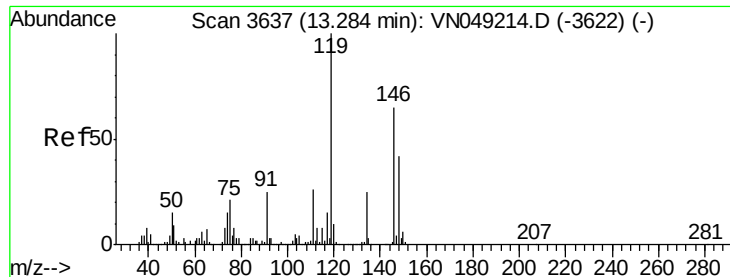
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





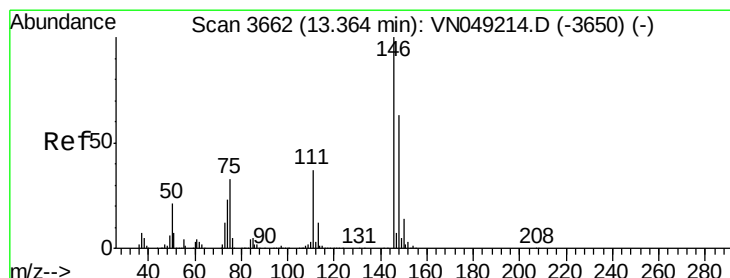
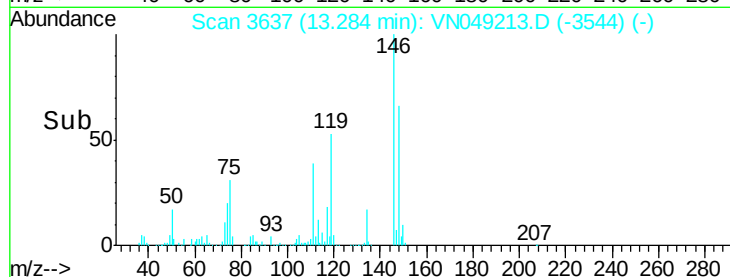
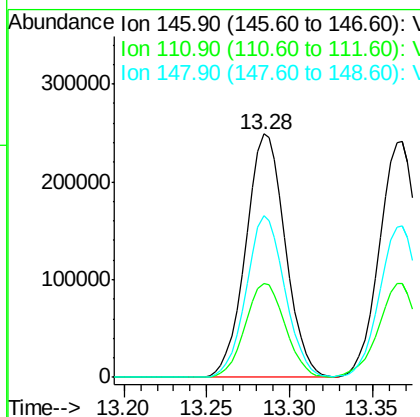
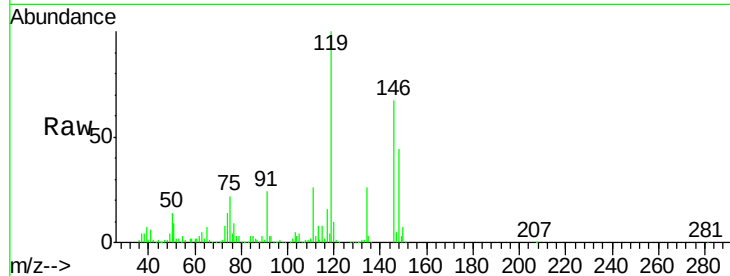
#87
 1,3-Dichlorobenzene
 Concen: 20.40 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.9	32.1	96.5

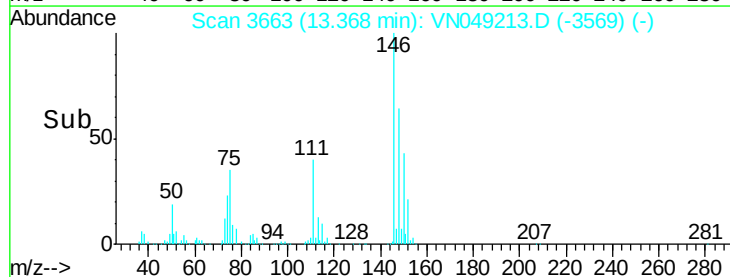
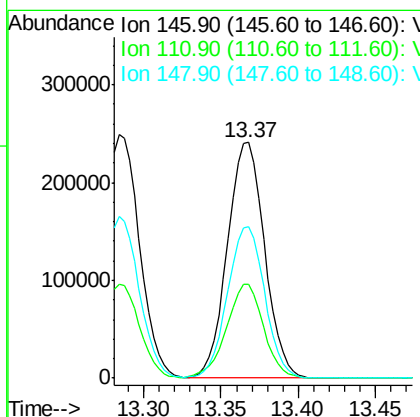
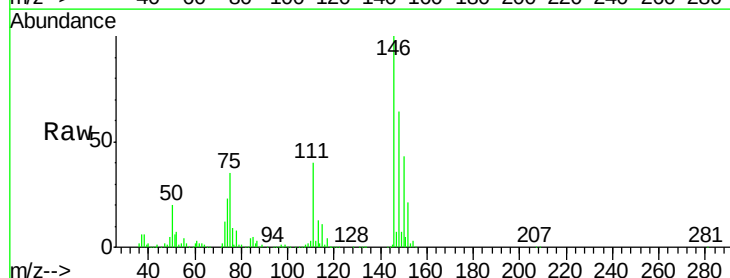
Manual Integrations
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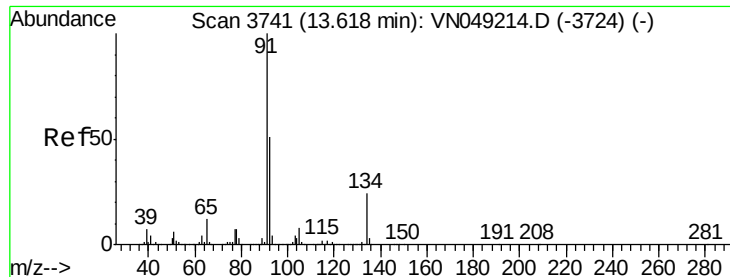
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#88
 1,4-Dichlorobenzene
 Concen: 20.51 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.1
148	64.4	32.0	96.2





#89

n-Butylbenzene

Concen: 19.15 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

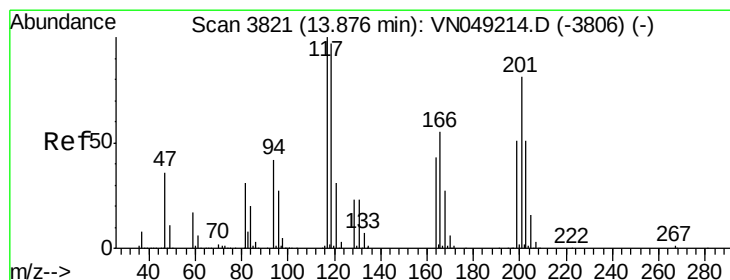
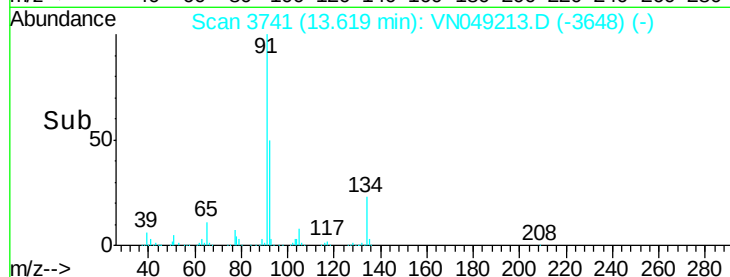
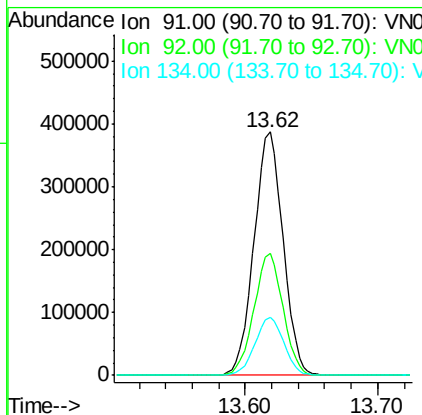
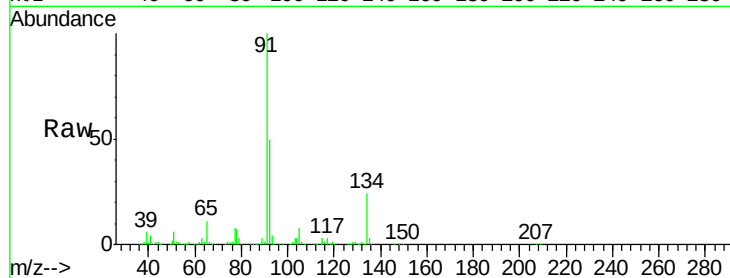
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	590585
Ion Ratio	Lower	Upper	
91	100		
92	50.1	25.1	75.4
134	23.6	12.0	36.0

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#90

Hexachloroethane

Concen: 20.19 ug/l

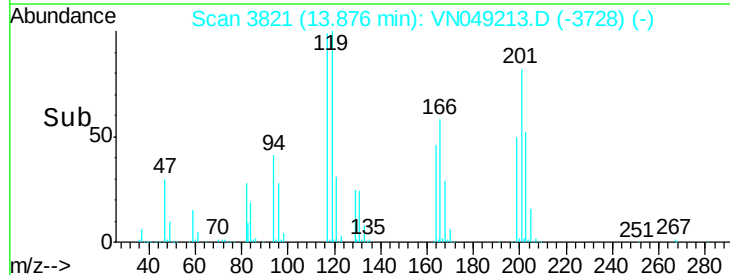
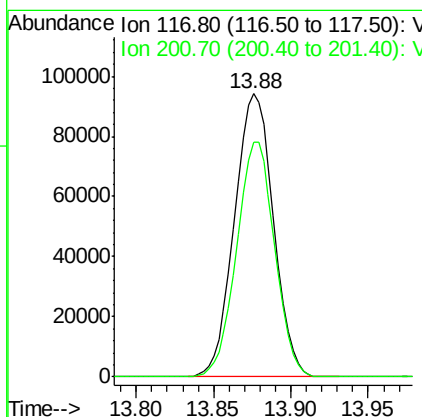
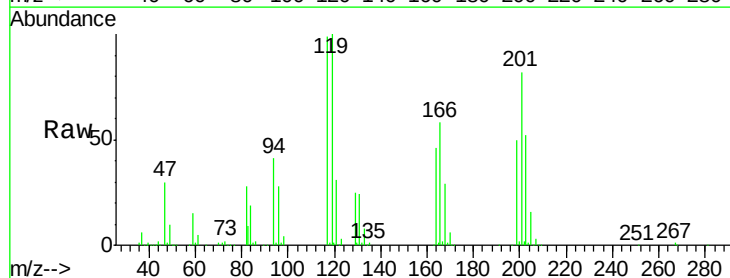
RT: 13.88 min Scan# 3821

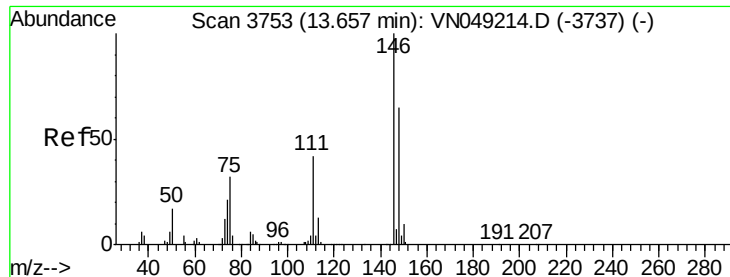
Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	117	Resp:	164727
Ion Ratio	Lower	Upper	
117	100		
201	81.0	40.1	120.2





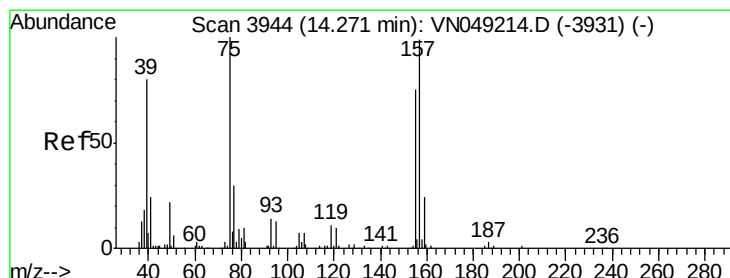
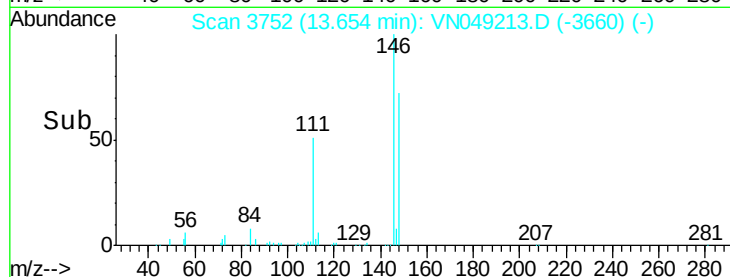
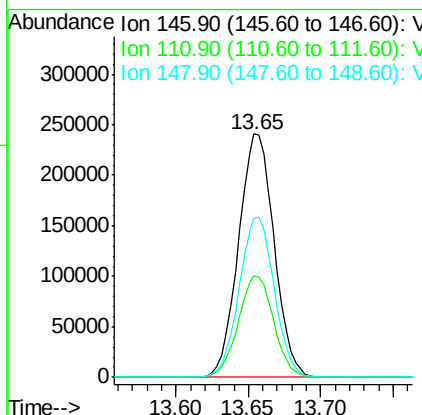
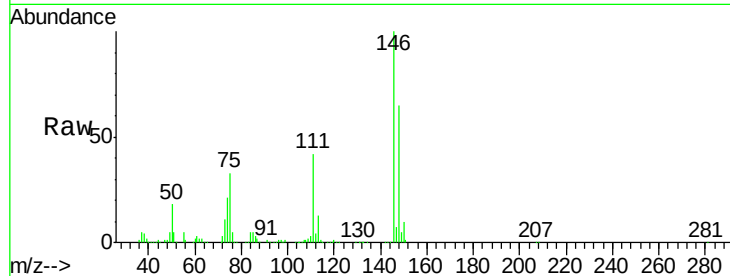
#91
 1,2-Dichlorobenzene
 Concen: 21.09 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	65.0	32.0	96.2

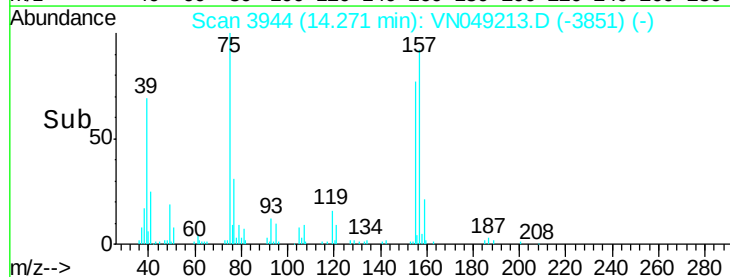
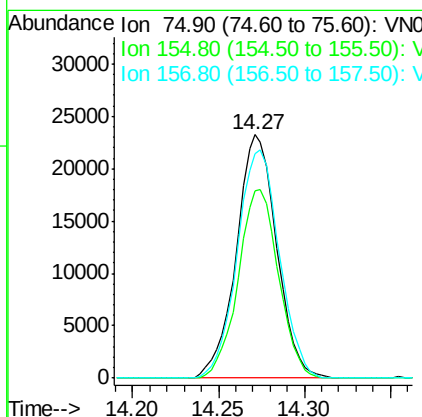
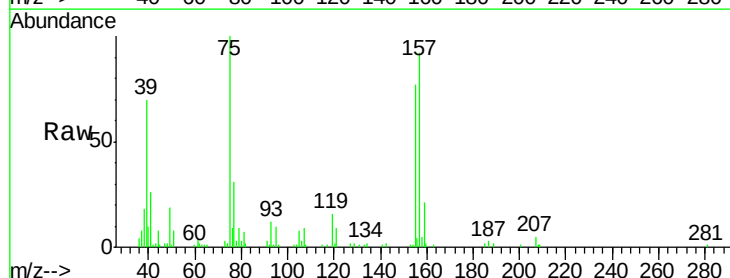
Manual Integrations
 APPROVED

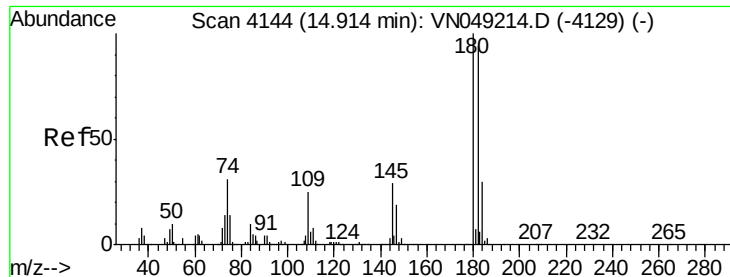
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.45 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	38.8	116.3
157	97.6	51.0	153.1





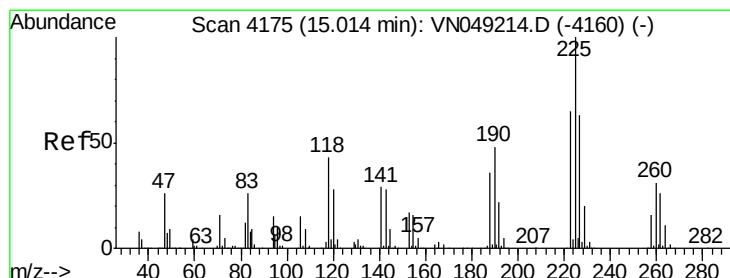
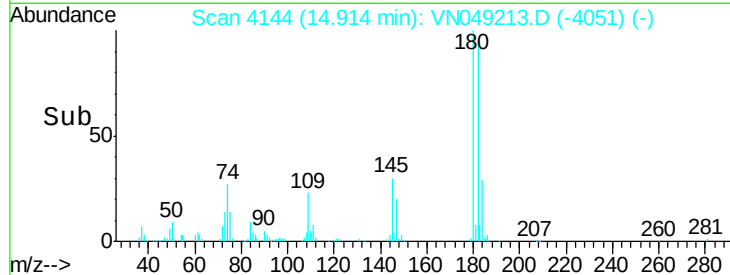
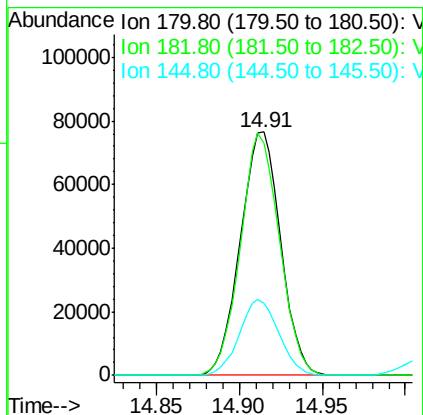
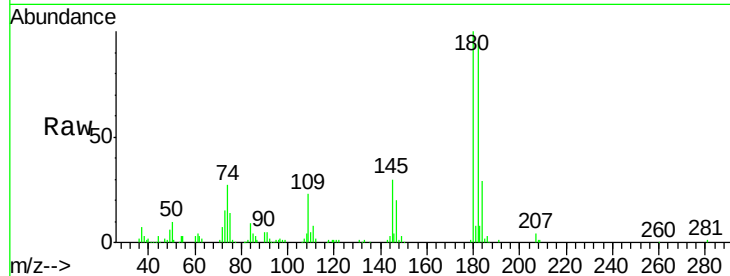
#93
 1,2,4-Trichlorobenzene
 Concen: 16.79 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.8
145	30.3	14.7	44.1

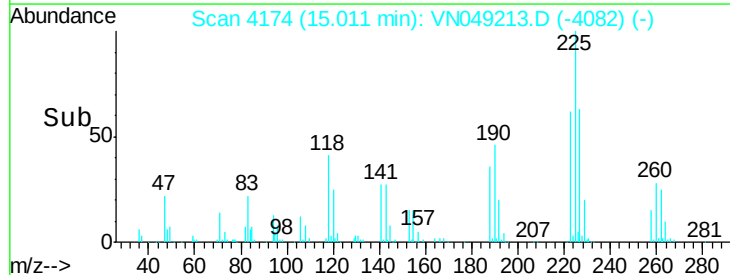
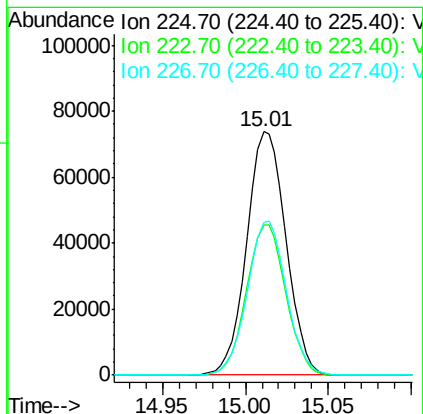
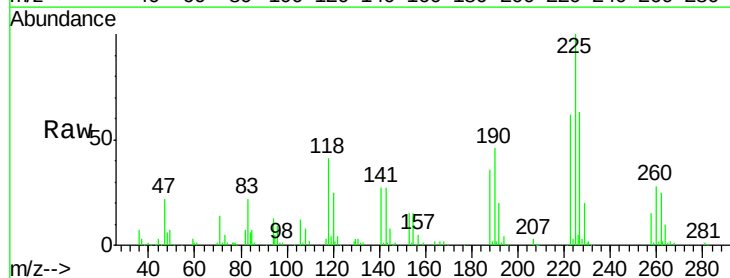
Manual Integrations
 APPROVED

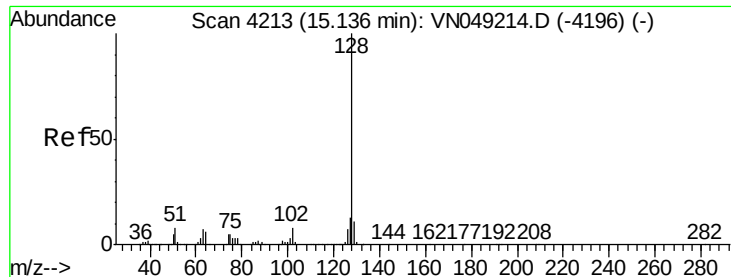
apatel
 6/14/2018 5:07:17 PM



#94
 Hexachlorobutadiene
 Concen: 20.76 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049213.D
 Acq: 13 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.1	96.3
227	63.1	31.8	95.3





#95

Naphthalene

Concen: 15.64 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Instrument :

MSVOA_N

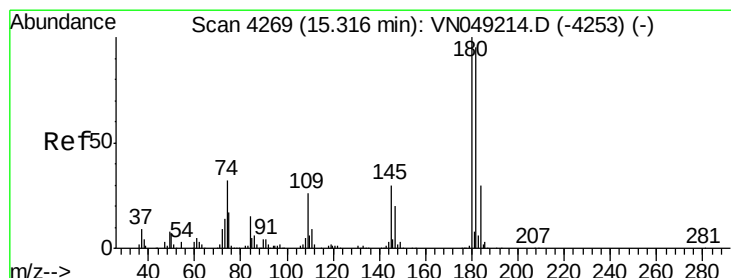
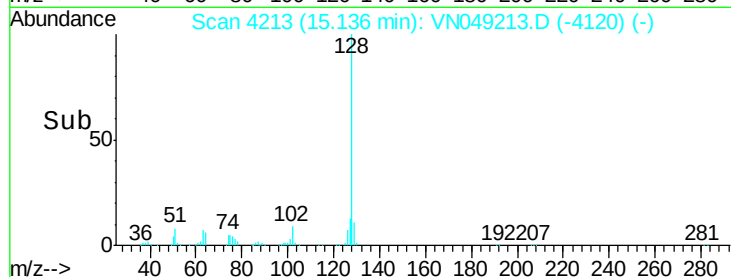
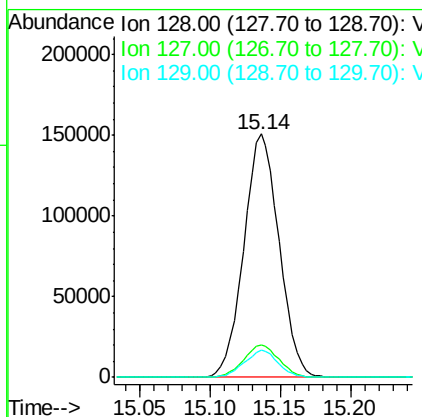
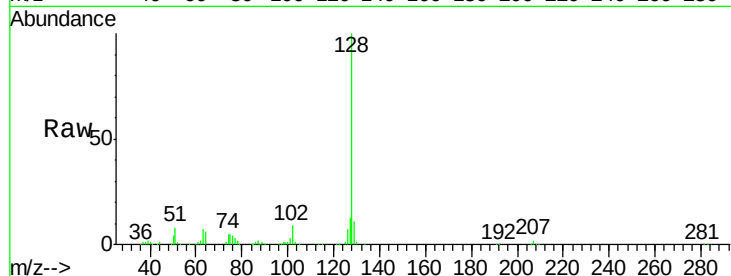
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	263900
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.5	8.5	12.7

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.61 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049213.D

Acq: 13 Jun 2018 21:01

Tgt Ion:	180	Resp:	145880
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	141.8
145	33.0	15.6	46.7

