

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049625.D
 Acq On : 29 Jun 2018 10:54
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
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 7/2/2018 2:19:19 PM

Quant Time: Jun 30 00:27:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:18:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1155027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1915106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	646987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	17685	1.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.32%	
35) Dibromofluoromethane	7.59	113	15470	1.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.16%	
50) Toluene-d8	10.09	98	48222	0.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.72%	
62) 4-Bromofluorobenzene	12.40	95	17654	0.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	13664	1.05	ug/l	94
3) Chloromethane	2.06	50	19004	1.17	ug/l	91
4) Vinyl Chloride	2.18	62	19967	1.14	ug/l	92
5) Bromomethane	2.57	94	10644	1.16	ug/l	96
6) Chloroethane	2.70	64	12952	1.17	ug/l	95
7) Trichlorofluoromethane	3.02	101	26294	1.32	ug/l	95
8) Diethyl Ether	3.41	74	8574	1.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	16705	1.16	ug/l	94
10) Methyl Iodide	3.94	142	17426	0.97	ug/l #	97
11) Tert butyl alcohol	4.79	59	1441	1.65	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	15502	1.14	ug/l	90
13) Acrolein	3.60	56	7678	9.39	ug/l	90
14) Allyl chloride	4.32	41	21129	1.13	ug/l	97
15) Acrylonitrile	4.99	53	20450	4.52	ug/l #	94
16) Acetone	3.82	43	41657	11.03	ug/l	98
17) Carbon Disulfide	4.05	76	43560	1.06	ug/l	99
18) Methyl Acetate	4.33	43	80678	3.51	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	32583	0.93	ug/l #	89
20) Methylene Chloride	4.55	84	20384	1.30	ug/l	85
21) trans-1,2-Dichloroethene	5.05	96	14448m	1.03	ug/l	
22) Diisopropyl ether	5.95	45	38265	0.91	ug/l #	90
23) Vinyl Acetate	5.90	43	111524	4.08	ug/l	100
24) 1,1-Dichloroethane	5.84	63	29589	1.11	ug/l	97
25) 2-Butanone	6.84	43	24118	4.76	ug/l	94
26) 2,2-Dichloropropane	6.82	77	25503	1.16	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	16532	1.06	ug/l	98
28) Bromochloromethane	7.19	49	10697	0.95	ug/l	97
29) Tetrahydrofuran	7.22	42	14965	4.64	ug/l #	78
30) Chloroform	7.37	83	31740	1.17	ug/l	97
31) Cyclohexane	7.65	56	39025	1.49	ug/l #	42
32) 1,1,1-Trichloroethane	7.57	97	25456	1.11	ug/l #	51
36) 1,1-Dichloropropene	7.79	75	19350	0.90	ug/l #	83
37) Ethyl Acetate	6.93	43	10008m	0.80	ug/l	
38) Carbon Tetrachloride	7.77	117	22939	1.09	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	21162	0.90	ug/l	95
40) Benzene	8.04	78	63751	0.97	ug/l	98
41) Methacrylonitrile	7.18	41	4573	0.68	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	21791	1.04	ug/l	99
43) Isopropyl Acetate	8.18	43	55683	1.88	ug/l #	77
44) Trichloroethene	8.83	130	18653	0.94	ug/l	93
45) 1,2-Dichloropropane	9.12	63	18122	1.07	ug/l	96
46) Dibromomethane	9.21	93	10203	0.99	ug/l	95
47) Bromodichloromethane	9.41	83	22408	1.02	ug/l #	97
48) Methyl methacrylate	9.20	41	9228	0.83	ug/l	94
49) 1,4-Dioxane	9.20	88	2610	17.38	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	45140	3.66	ug/l	96
52) Toluene	10.16	92	32172	0.81	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	16480	0.79	ug/l #	77
54) cis-1,3-Dichloropropene	9.84	75	20010	0.82	ug/l #	88
55) 1,1,2-Trichloroethane	10.57	97	15032	1.02	ug/l	89
56) Ethyl methacrylate	10.43	69	12512	0.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	23173	0.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	21133	2.62	ug/l	97
59) 2-Hexanone	10.75	43	29736	3.65	ug/l	96
60) Dibromochloromethane	10.90	129	14425	0.90	ug/l	100
61) 1,2-Dibromoethane	11.01	107	13014	0.92	ug/l	96
64) Tetrachloroethene	10.63	164	22767	1.06	ug/l	93
65) Chlorobenzene	11.44	112	42192	1.02	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	15169	1.02	ug/l #	65
67) Ethyl Benzene	11.51	91	58490	0.85	ug/l	95
68) m/p-Xylenes	11.62	106	41901	1.59	ug/l	97
69) o-Xylene	11.95	106	20860	0.83	ug/l	95
70) Styrene	11.96	104	30240	0.74	ug/l	98
71) Bromoform	12.13	173	9416	0.95	ug/l #	90
73) Isopropylbenzene	12.25	105	47205	0.92	ug/l	91
74) N-amyl acetate	12.07	43	11393	0.81	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	14638	1.20	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	10963m	0.98	ug/l	
77) Bromobenzene	12.53	156	15024	1.07	ug/l	95
78) n-propylbenzene	12.59	91	51552	0.87	ug/l	98
79) 2-Chlorotoluene	12.67	91	37473	1.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	35798	0.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	3041	1.00	ug/l #	86
82) 4-Chlorotoluene	12.78	91	33594	0.89	ug/l	99
83) tert-Butylbenzene	12.99	119	33846	0.92	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	36719	0.83	ug/l	100
85) sec-Butylbenzene	13.17	105	43661	0.90	ug/l	98
86) p-Isopropyltoluene	13.29	119	32489	0.77	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	22952	0.89	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	25913m	1.00	ug/l	
89) n-Butylbenzene	13.62	91	27789	0.77	ug/l	97
90) Hexachloroethane	13.87	117	6150	1.39	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	23081	0.92	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2553	1.20	ug/l	75

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MSVOA_N
ClientSampleId :
VSTDICC001

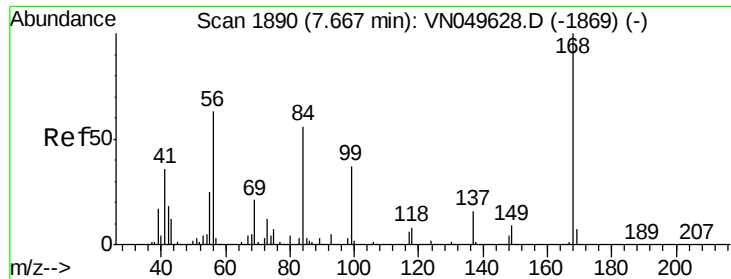
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Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:18:48 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5898	0.51	ug/l	85
94) Hexachlorobutadiene	15.01	225	8660	1.08	ug/l	95
95) Naphthalene	15.13	128	12718	0.51	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	7631	0.64	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 1155027

Ion Ratio Lower Upper

168 100

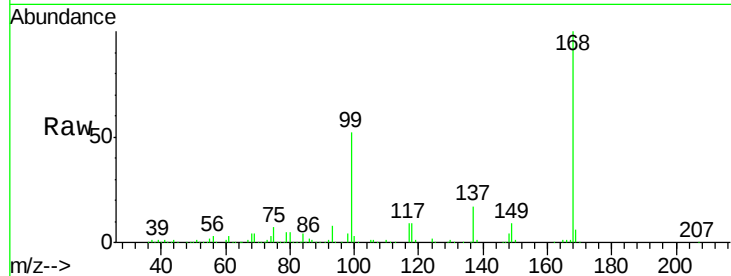
99 51.5 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

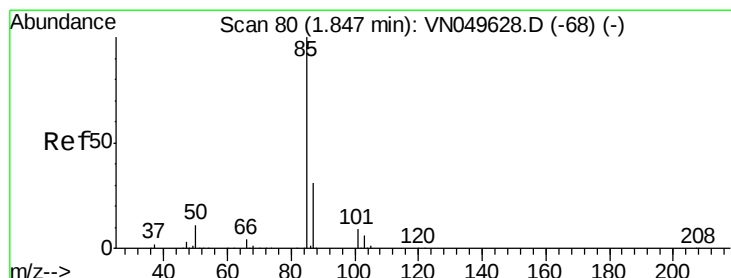
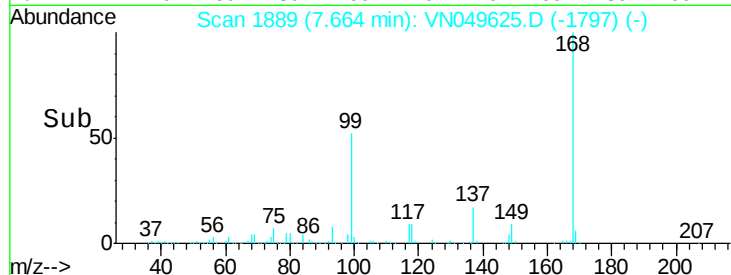
200000

100000

0

7.60 7.65 7.70 7.75 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.05 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049625.D

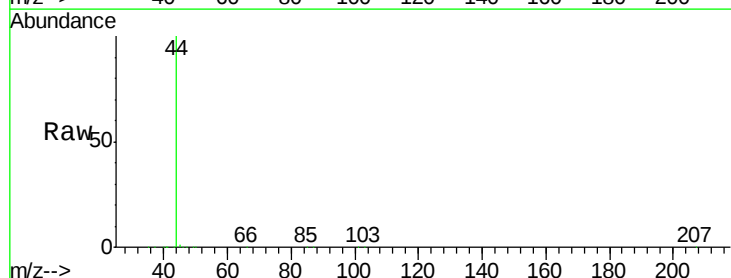
Acq: 29 Jun 2018 10:54

Tgt Ion: 85 Resp: 13664

Ion Ratio Lower Upper

85 100

87 34.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

10000

8000

6000

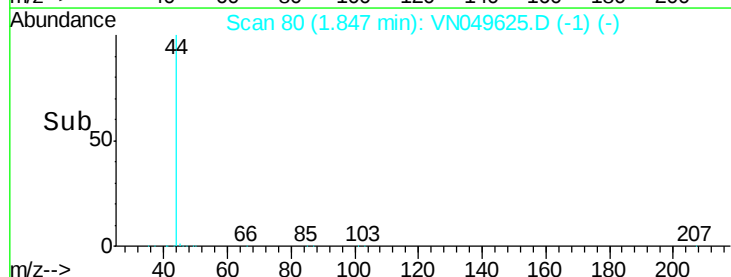
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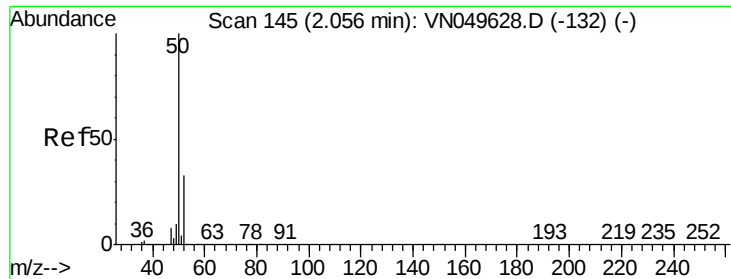
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.17 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 19004

Ion Ratio Lower Upper

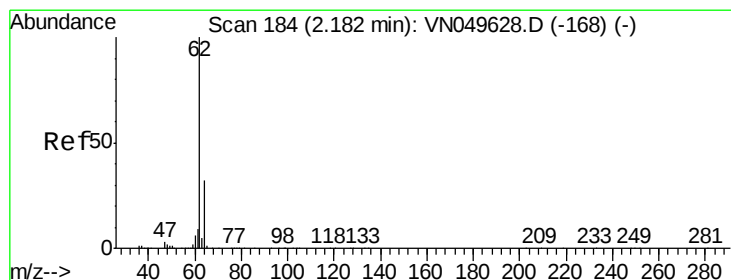
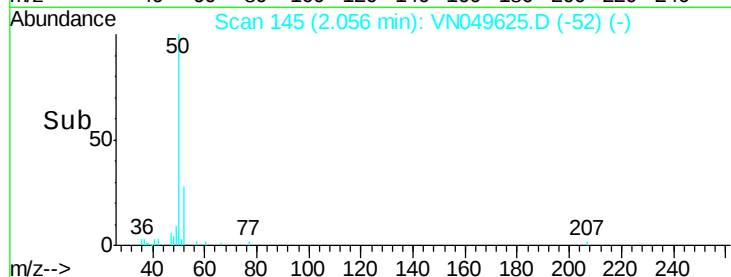
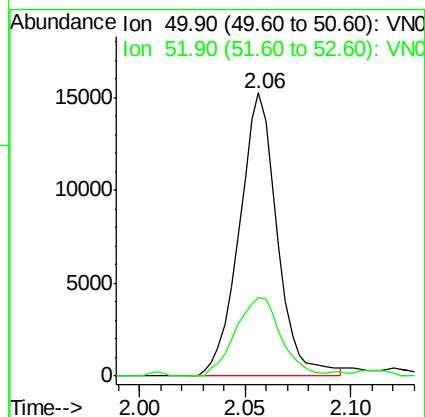
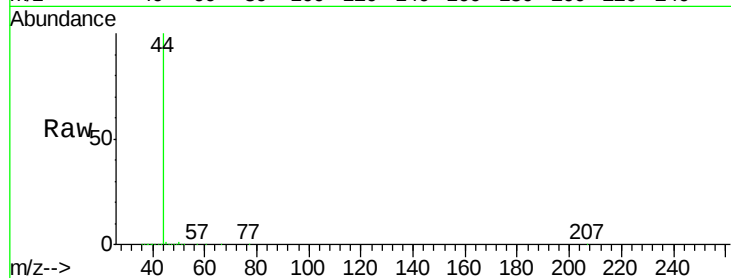
50 100

52 27.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 1.14 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049625.D

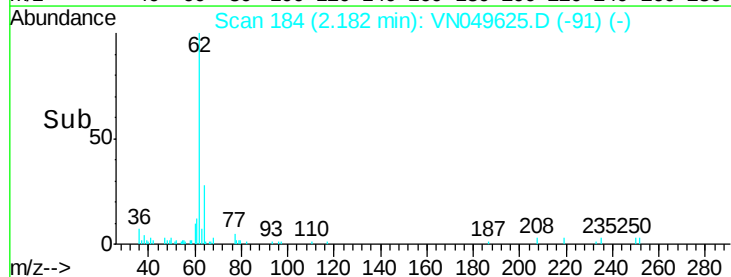
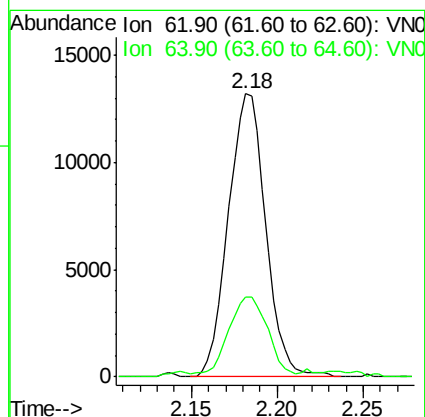
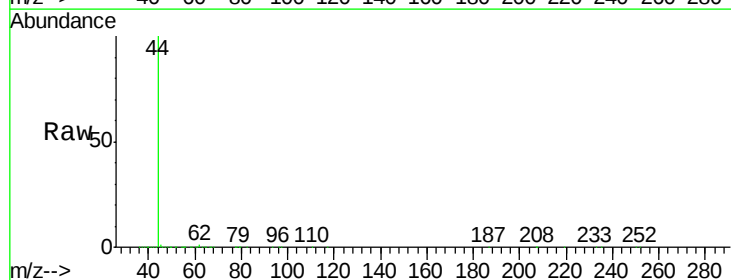
Acq: 29 Jun 2018 10:54

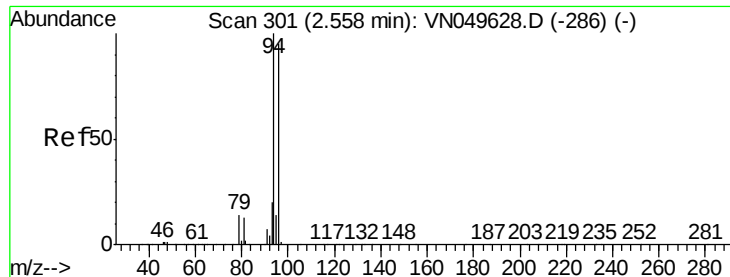
Tgt Ion: 62 Resp: 19967

Ion Ratio Lower Upper

62 100

64 27.2 25.4 38.0





#5

Bromomethane

Concen: 1.16 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 10644

Ion Ratio Lower Upper

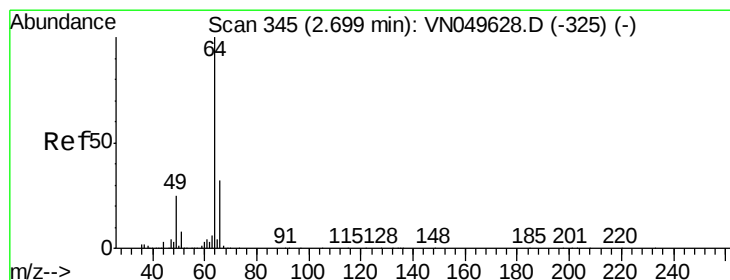
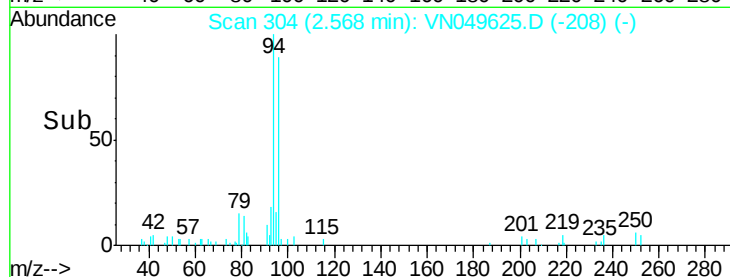
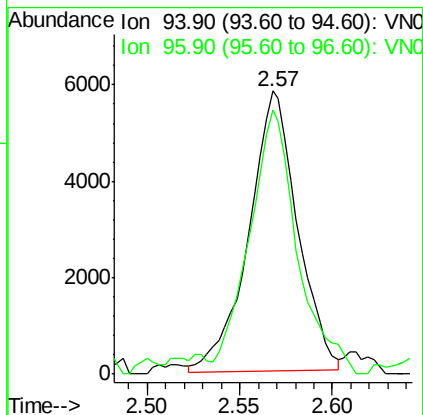
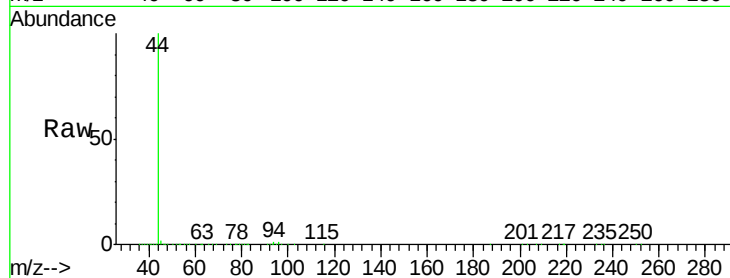
94 100

96 91.0 75.7 113.5

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#6

Chloroethane

Concen: 1.17 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049625.D

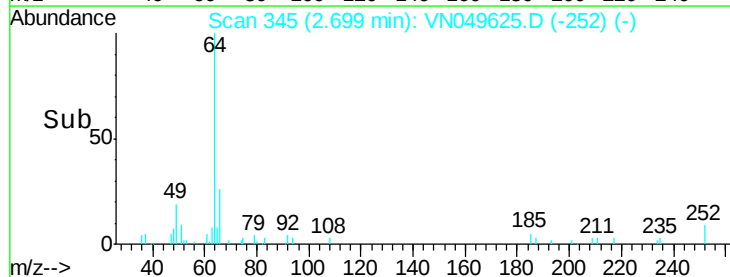
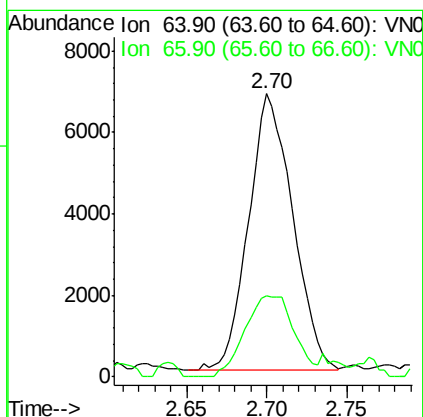
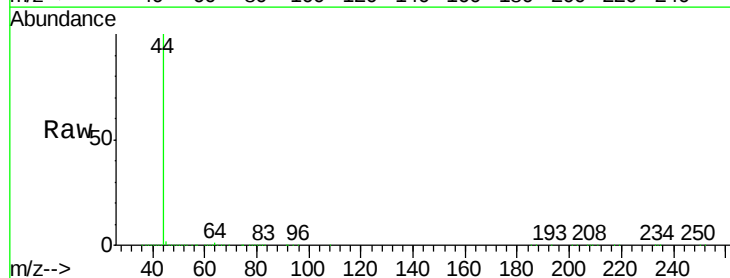
Acq: 29 Jun 2018 10:54

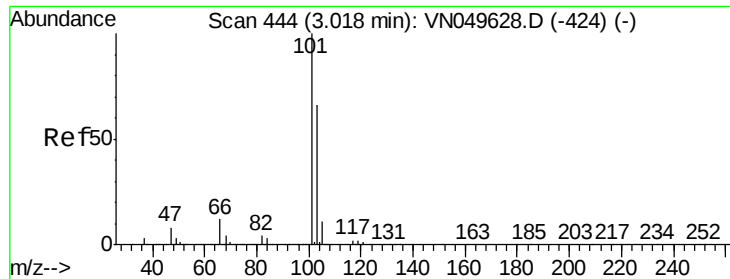
Tgt Ion: 64 Resp: 12952

Ion Ratio Lower Upper

64 100

66 29.3 25.6 38.4





#7

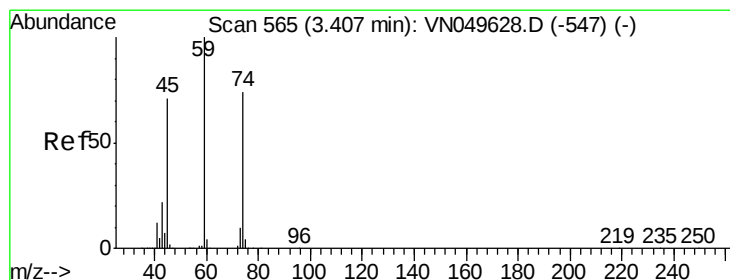
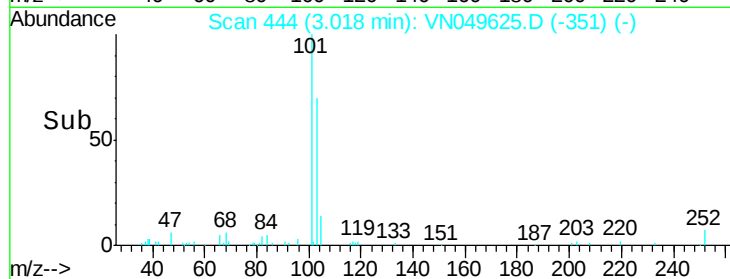
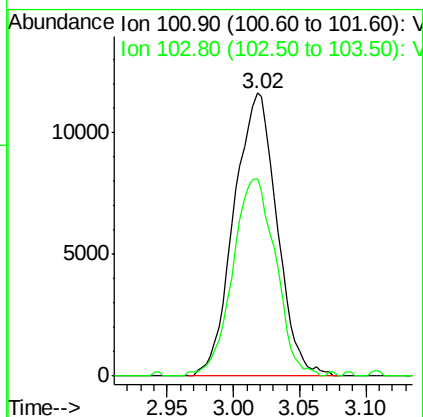
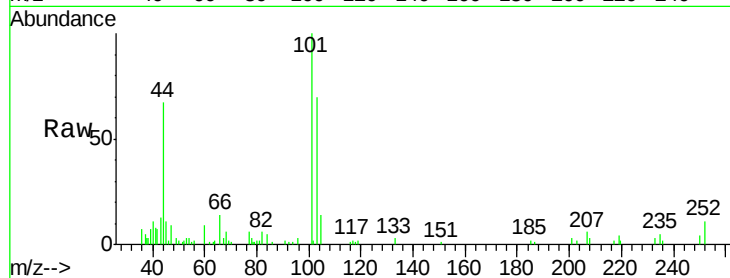
Trichlorofluoromethane
Concen: 1.32 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	52.8	79.2

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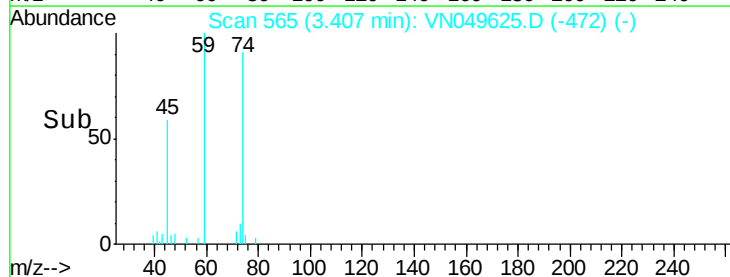
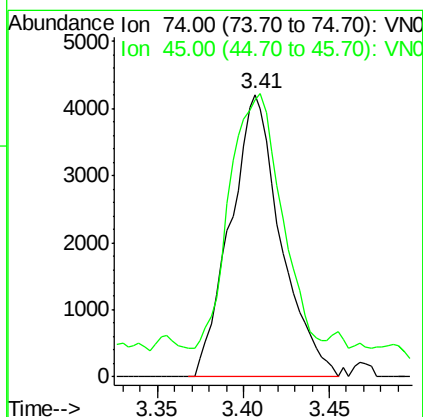
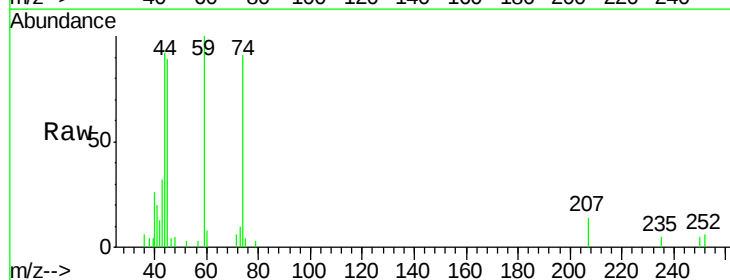
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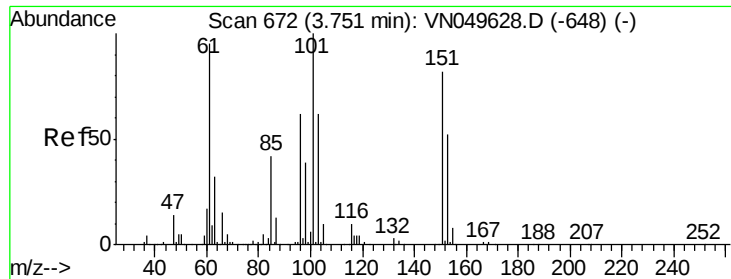


#8

Diethyl Ether
Concen: 1.06 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.16 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

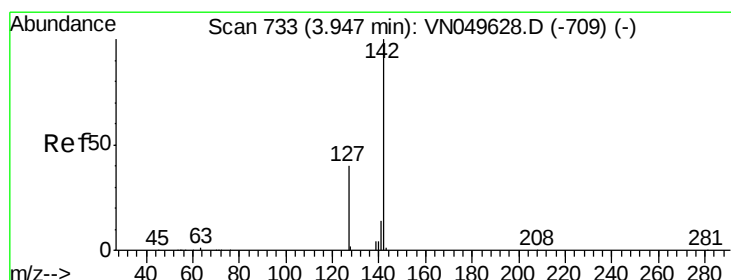
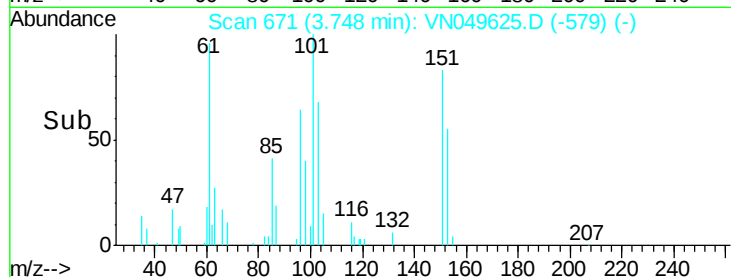
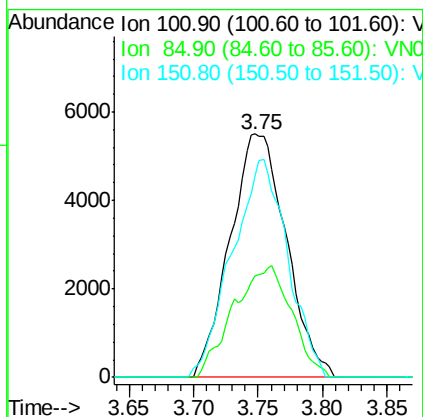
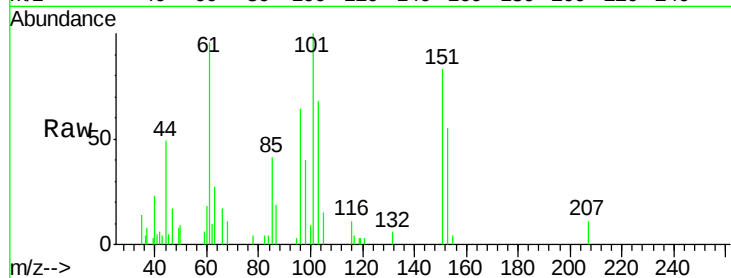
ClientSampled :

VSTDIC001

Tot Ion:	101	Resp:	16705
Ion Ratio	Lower	Upper	
101	100		
85	47.3	34.4	51.6
151	87.9	66.2	99.4

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#10

Methyl Iodide

Concen: 0.97 ug/l

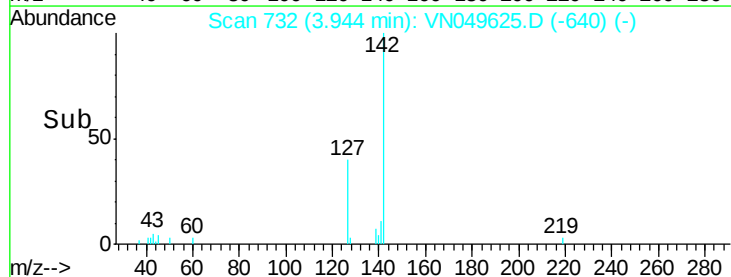
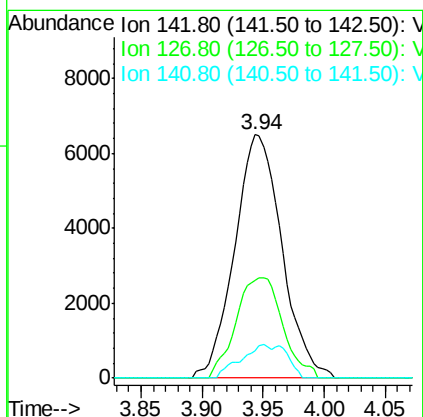
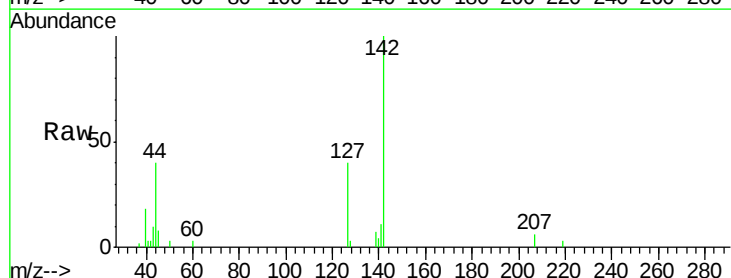
RT: 3.94 min Scan# 732

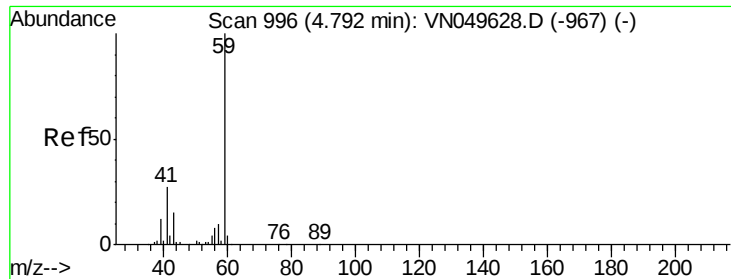
Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	142	Resp:	17426
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.5	48.7
141	8.8	11.1	16.7#





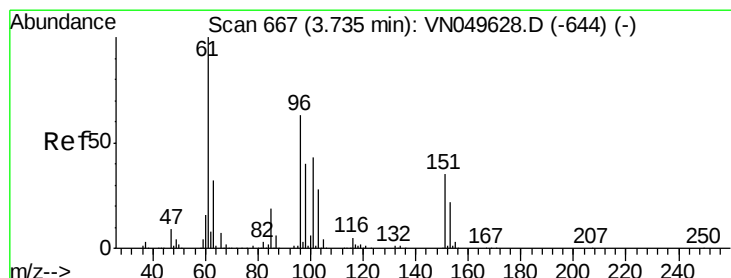
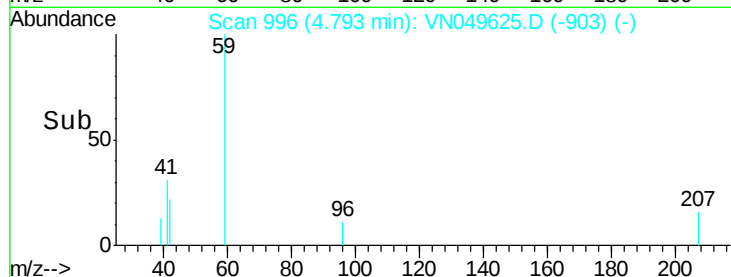
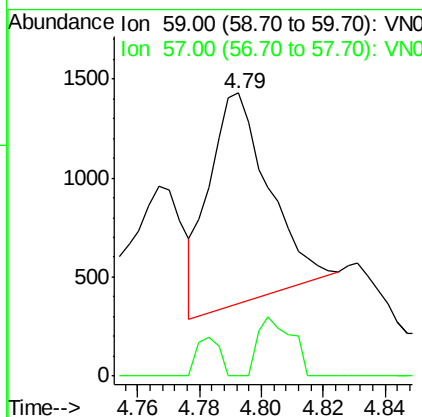
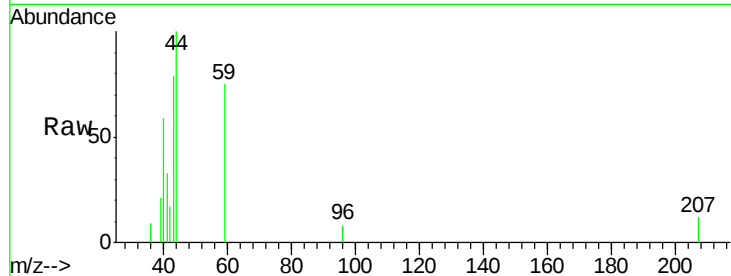
#11
Tert butyl alcohol
Concen: 1.65 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 59 Resp: 1441
Ion Ratio Lower Upper
59 100
57 15.8 8.5 12.7#

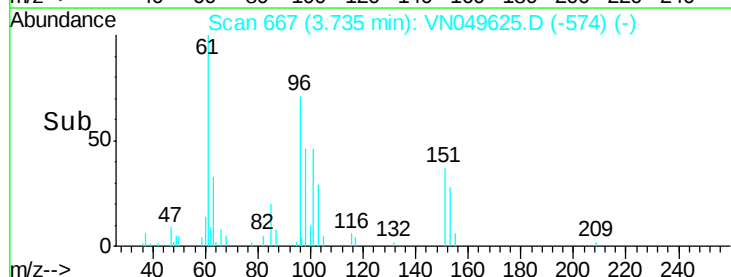
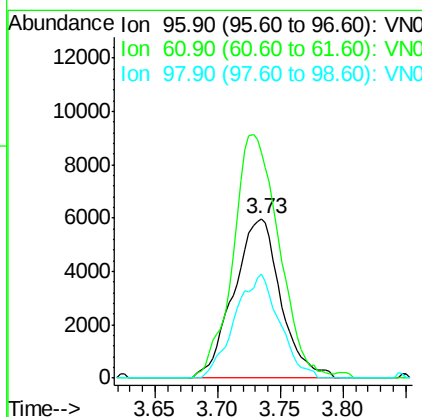
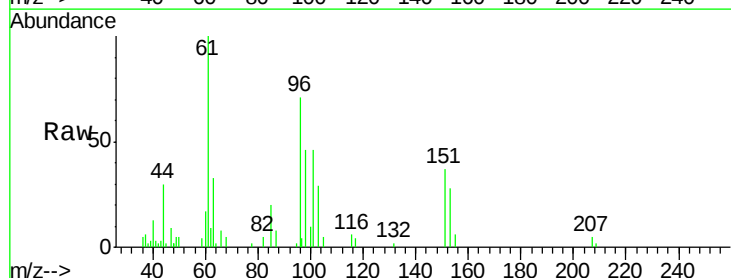
Manual Integrations
APPROVED

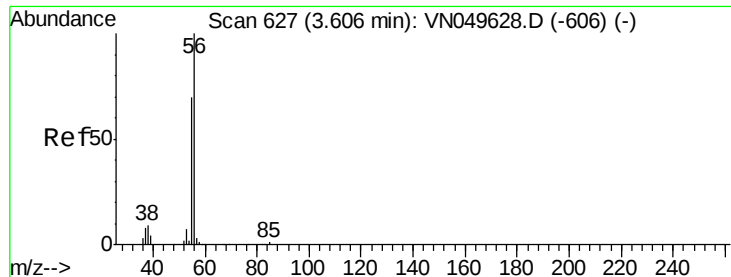
apatel
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#12
1,1-Dichloroethene
Concen: 1.14 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion: 96 Resp: 15502
Ion Ratio Lower Upper
96 100
61 141.5 126.5 189.7
98 65.5 51.0 76.6





#13

Acrolein

Concen: 9.39 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 7678

Ion Ratio Lower Upper

56 100

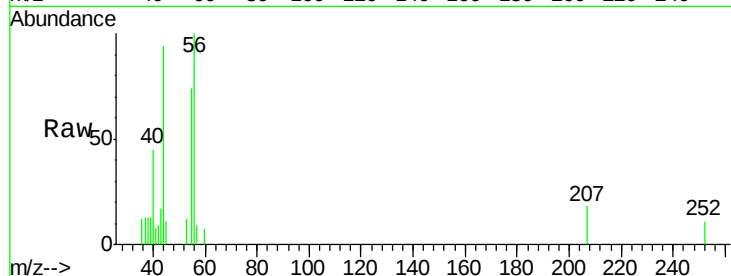
55 78.0 55.8 83.8

Manual Integrations

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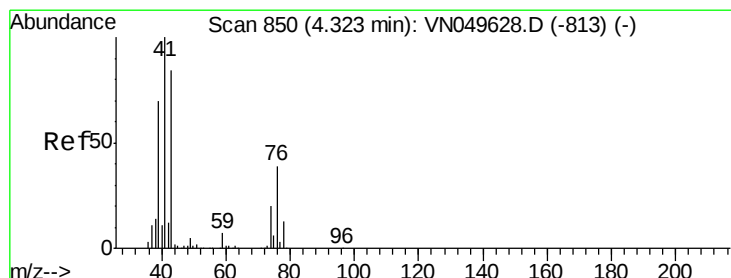
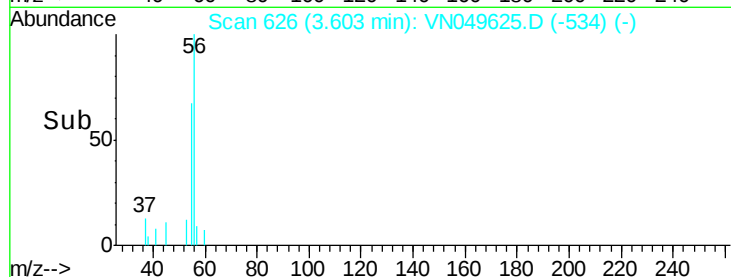
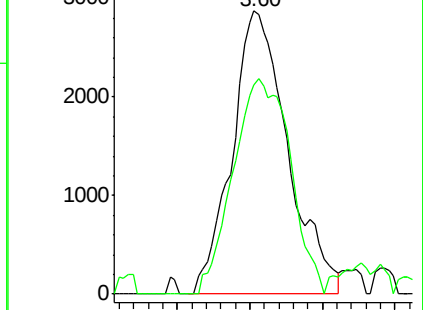
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Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049625.D (-534) (-)



#14

Allyl chloride

Concen: 1.13 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

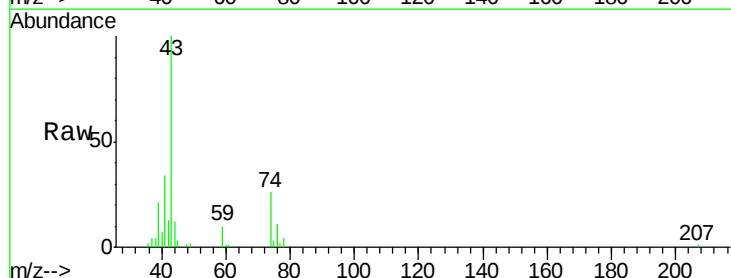
Tgt Ion: 41 Resp: 21129

Ion Ratio Lower Upper

41 100

39 68.2 53.2 79.8

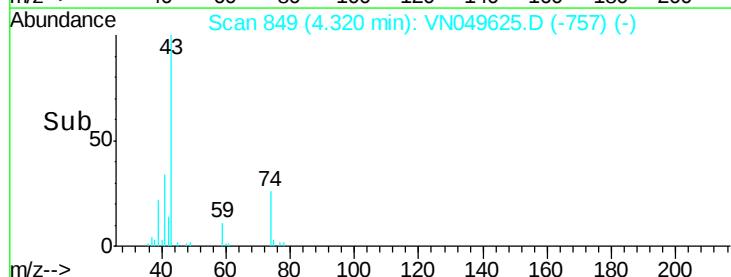
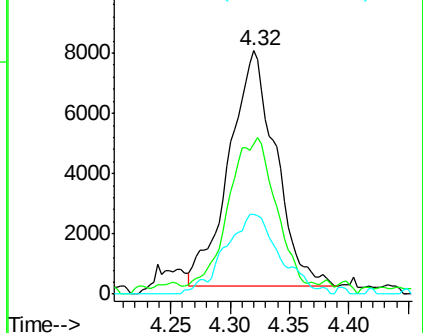
76 39.8 29.0 43.6

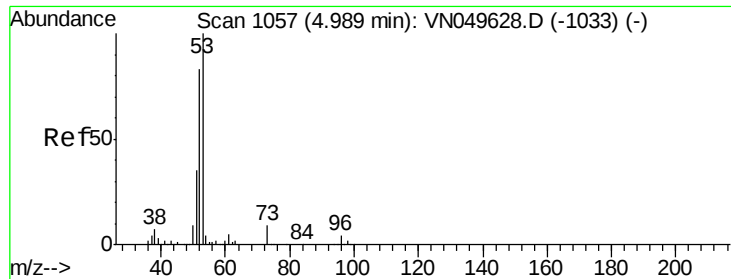


Abundance Ion 41.00 (40.70 to 41.70): VN049628.D (-813) (-)

Ion 39.00 (38.70 to 39.70): VN049625.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049625.D (-757) (-)





#15

Acrylonitrile

Concen: 4.52 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

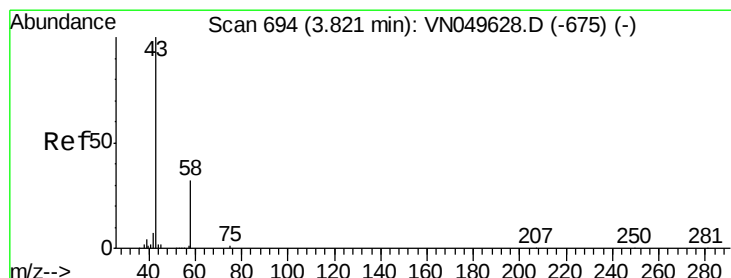
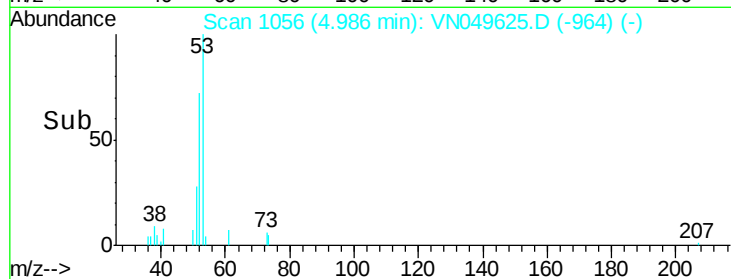
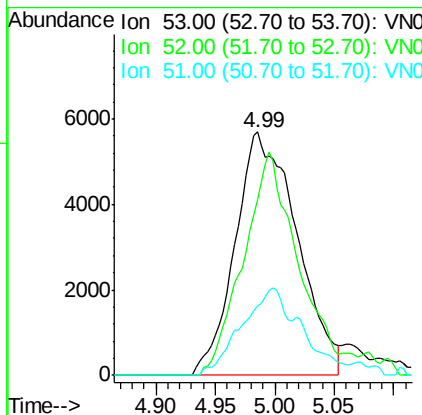
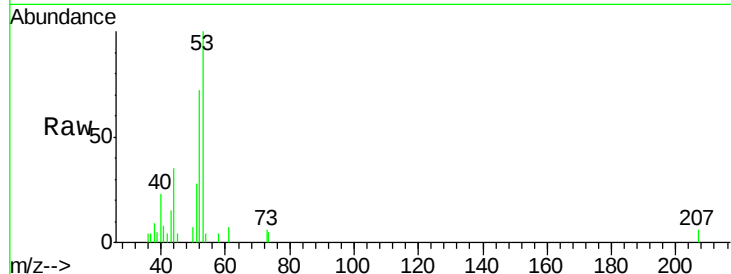
ClientSampled :

VSTDIC001

Tot Ion:	53	Resp:	20450
Ion Ratio	Lower	Upper	
53	100		
52	80.7	64.8	97.2
51	26.0	28.9	43.3#

Manual Integrations
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#16

Acetone

Concen: 11.03 ug/l

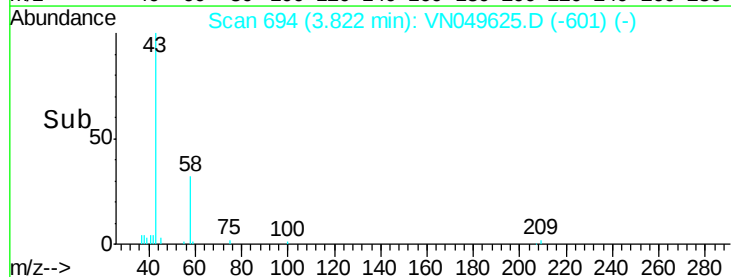
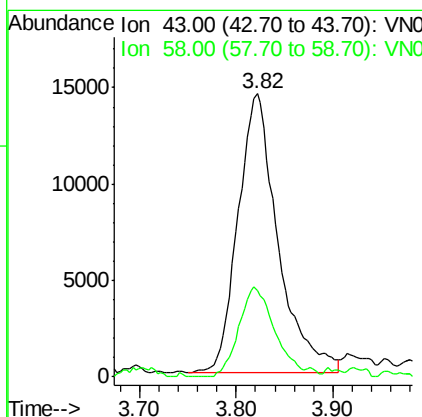
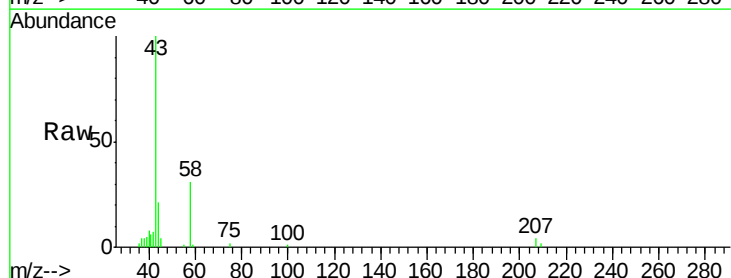
RT: 3.82 min Scan# 694

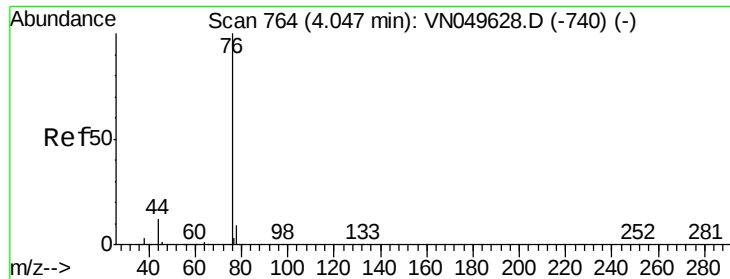
Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	43	Resp:	41657
Ion Ratio	Lower	Upper	
43	100		
58	31.1	25.9	38.9





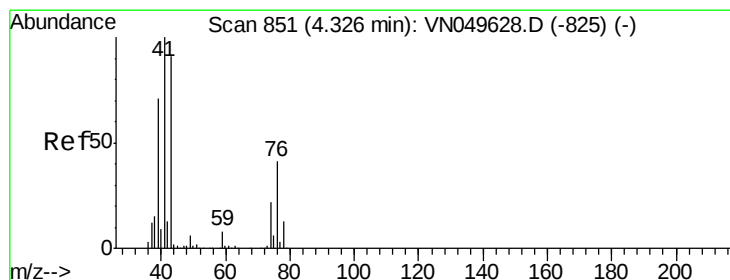
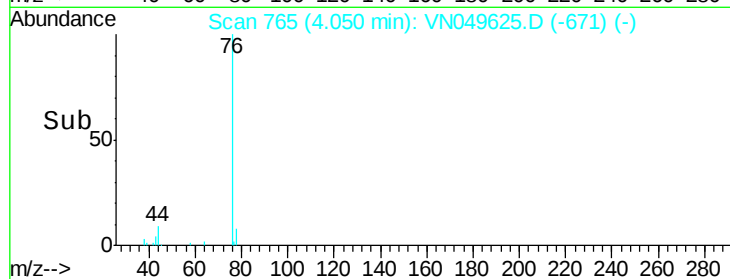
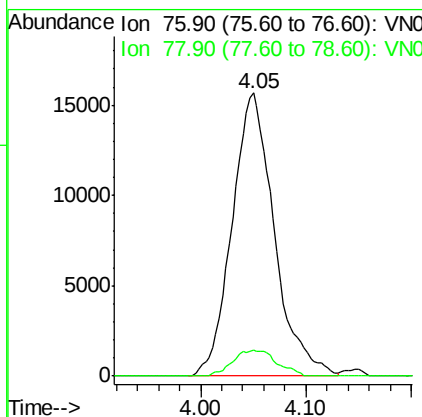
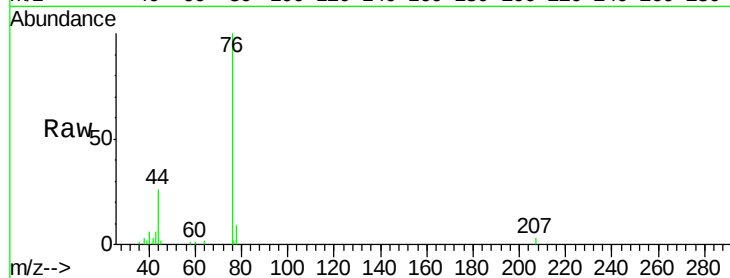
#17
Carbon Disulfide
Concen: 1.06 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

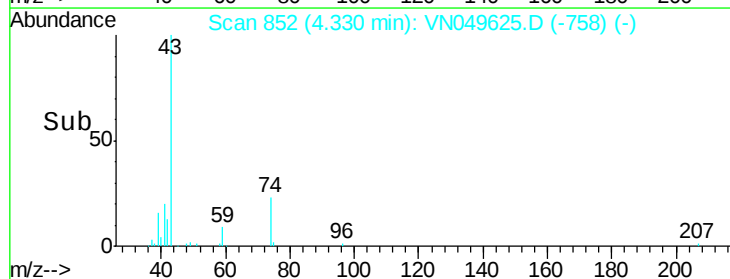
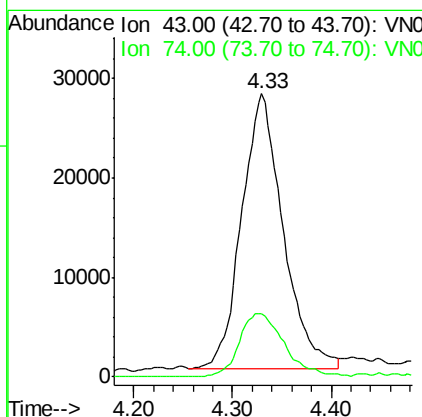
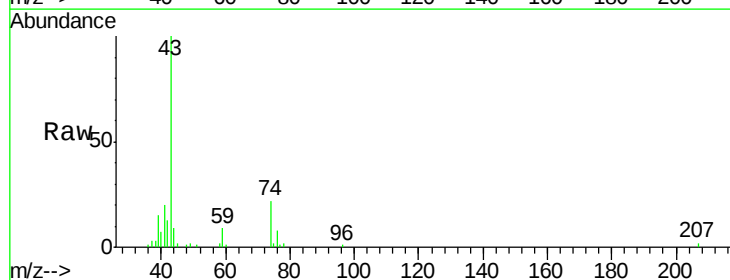
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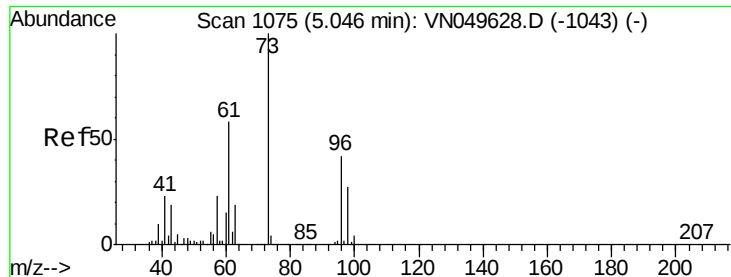
apatel
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#18
Methyl Acetate
Concen: 3.51 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.8	29.8





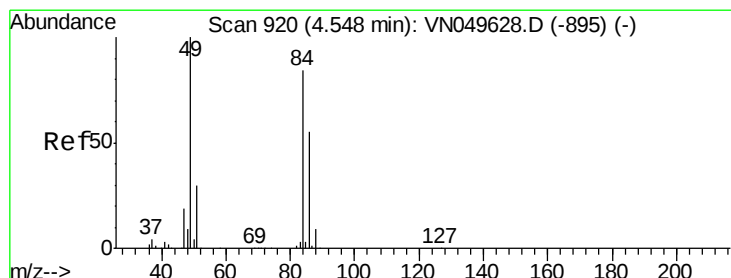
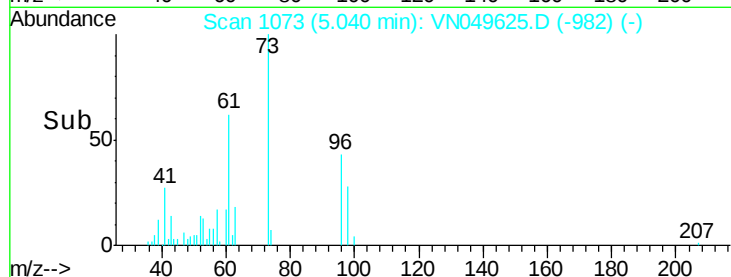
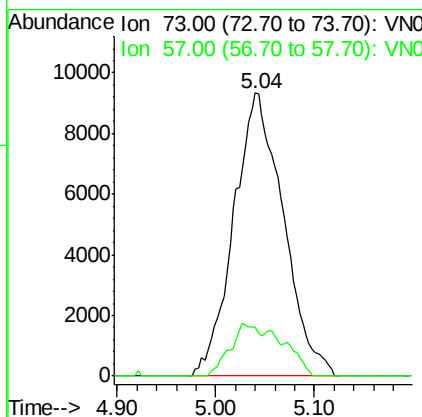
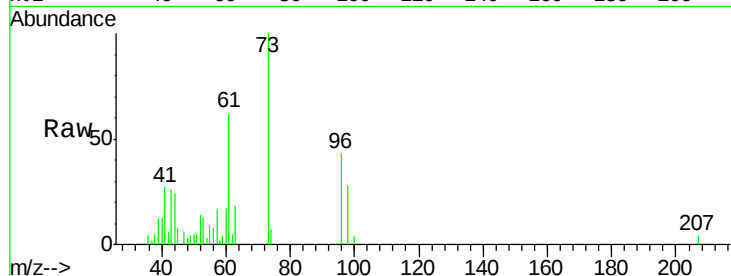
#19
Methyl tert-butyl Ether
Concen: 0.93 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 32583
Ion Ratio Lower Upper
73 100
57 17.2 18.1 27.1#

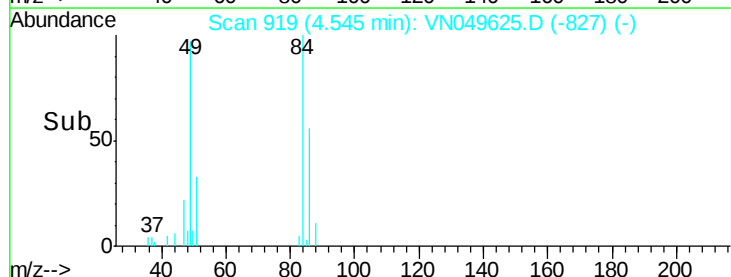
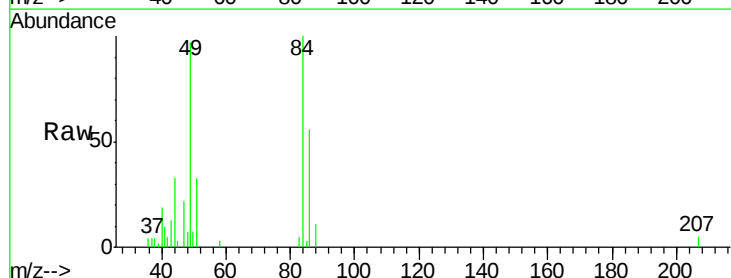
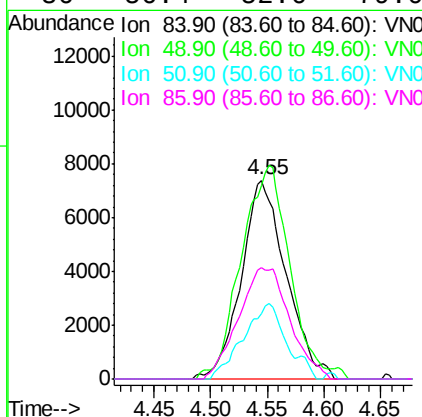
Manual Integrations
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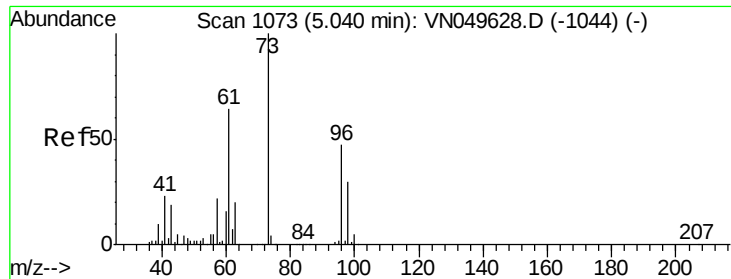
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#20
Methylene Chloride
Concen: 1.30 ug/l
RT: 4.55 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion: 84 Resp: 20384
Ion Ratio Lower Upper
84 100
49 97.3 95.4 143.2
51 33.0 28.4 42.6
86 56.4 52.6 79.0





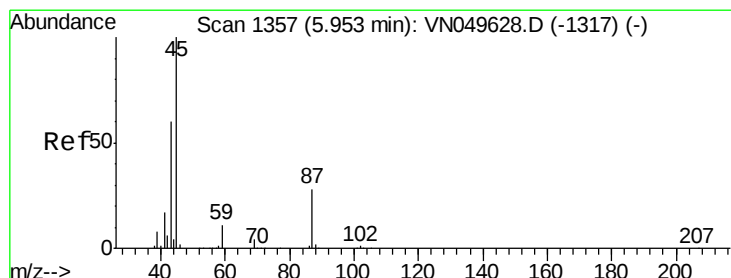
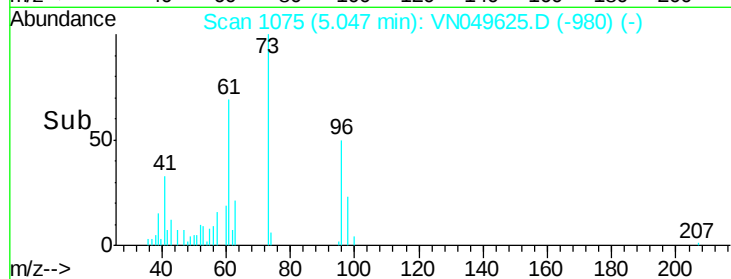
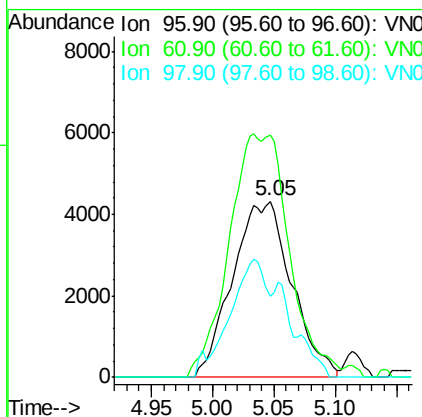
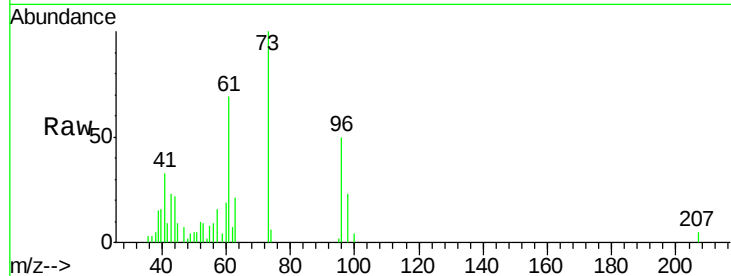
#21
trans-1,2-Dichloroethene
Concen: 1.03 ug/l m
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	109.0	163.6
98	46.2	51.1	76.7#

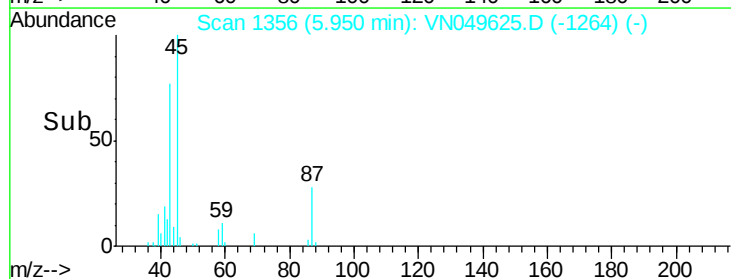
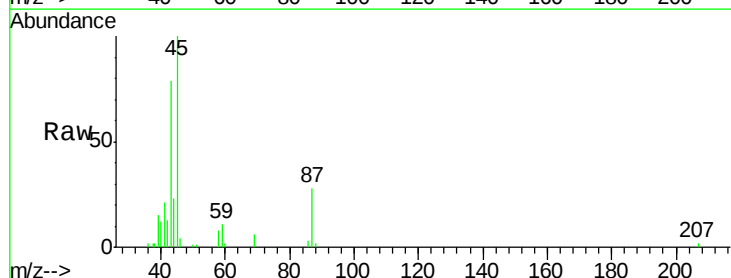
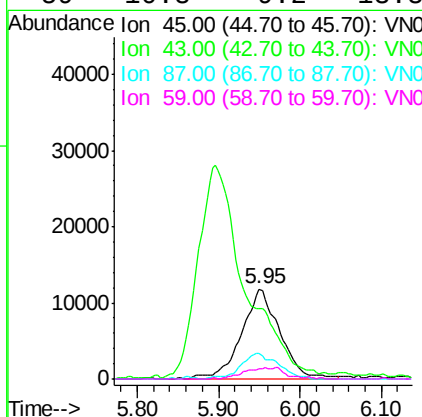
Manual Integrations
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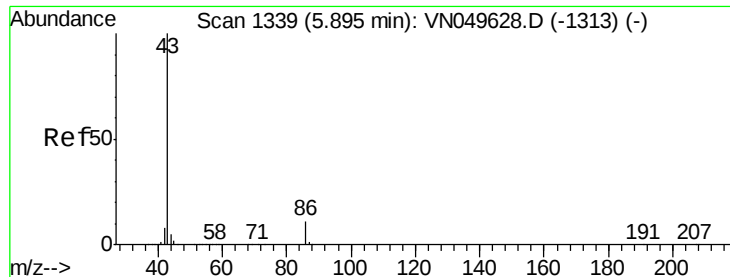
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#22
Diisopropyl ether
Concen: 0.91 ug/l
RT: 5.95 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.4	48.1	72.1#
87	27.9	22.6	34.0
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 4.08 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 111524

Ion Ratio Lower Upper

43 100

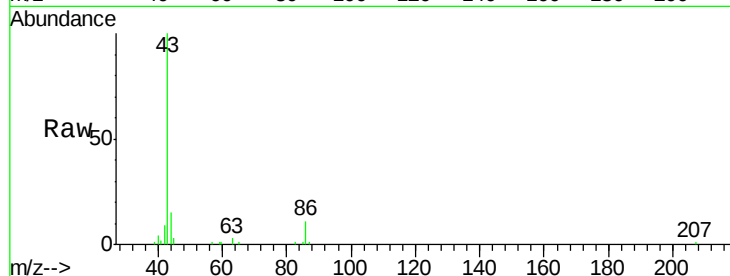
86 10.6 8.4 12.6

Manual Integrations

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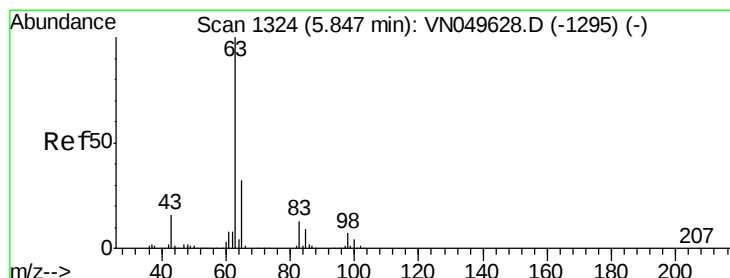
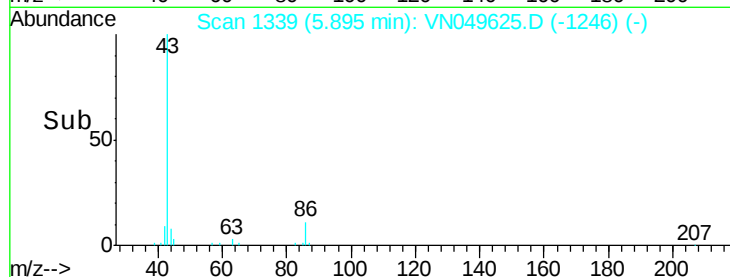
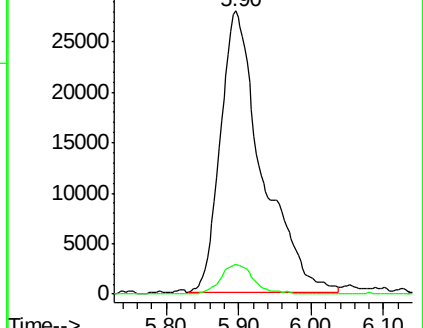
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049628.D (-1313) (-)



#24

1,1-Dichloroethane

Concen: 1.11 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

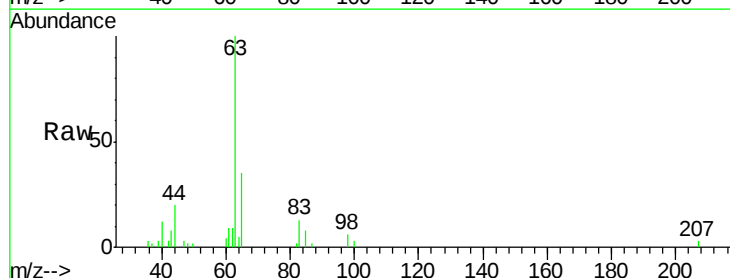
Tgt Ion: 63 Resp: 29589

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

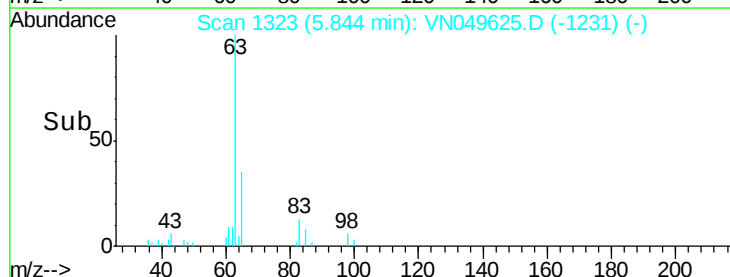
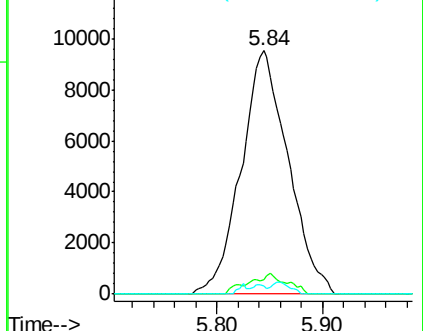
100 3.3 2.2 6.6

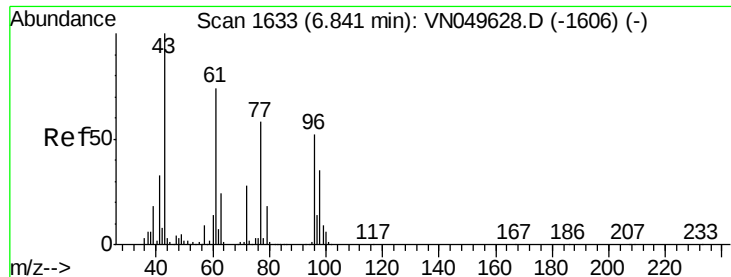


Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049628.D (-1295) (-)





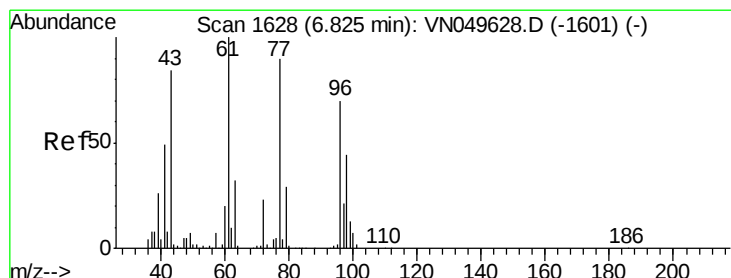
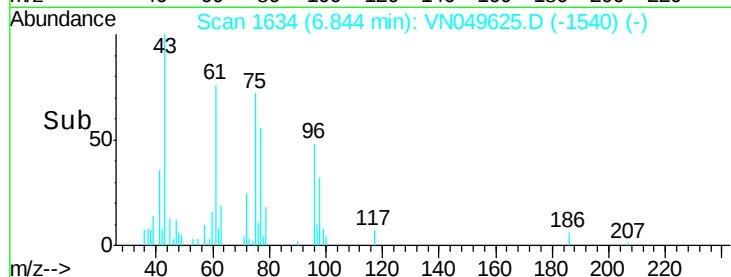
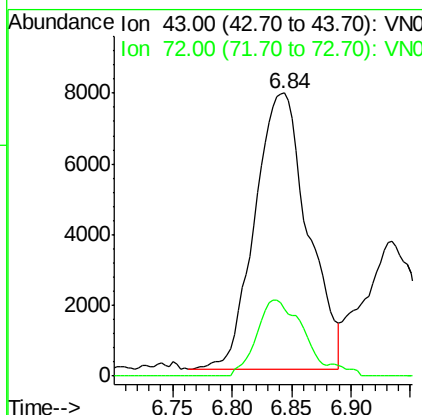
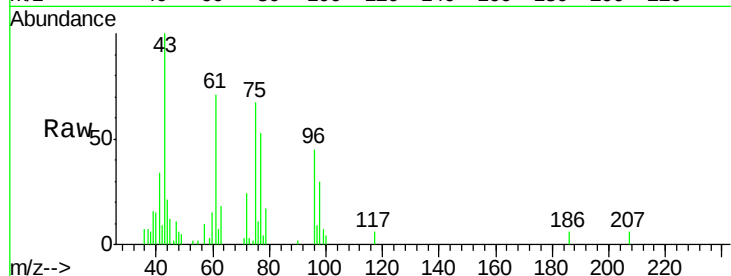
#25
2-Butanone
Concen: 4.76 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 24118
Ion Ratio Lower Upper
43 100
72 24.3 22.1 33.1

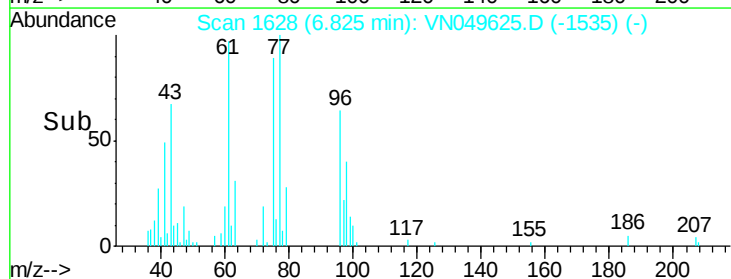
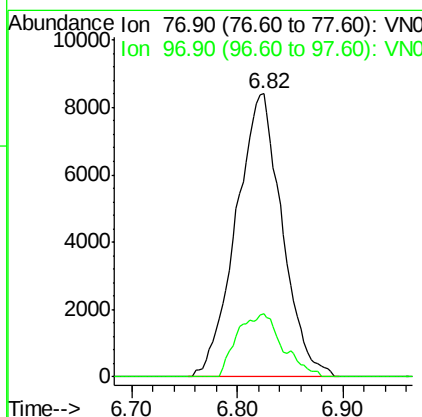
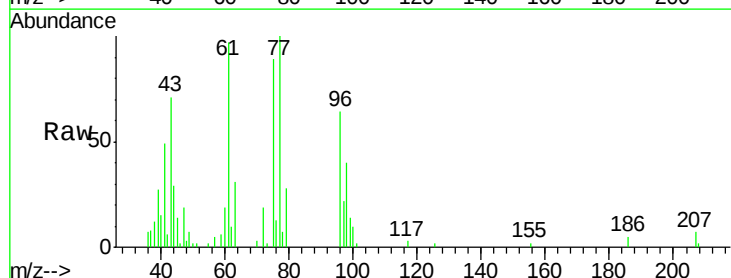
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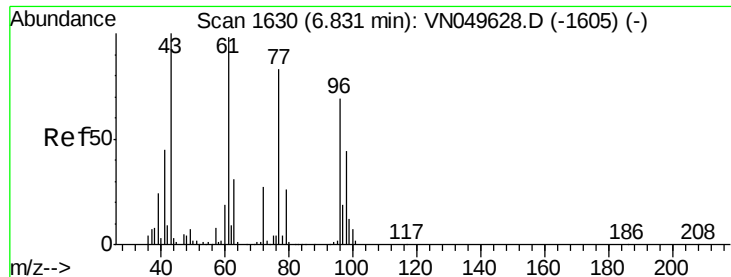
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#26
2,2-Dichloropropane
Concen: 1.16 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion: 77 Resp: 25503
Ion Ratio Lower Upper
77 100
97 22.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 1.06 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

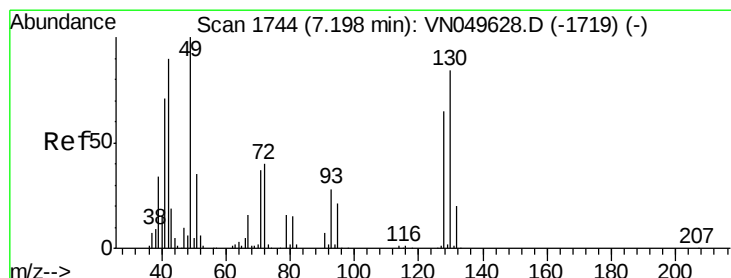
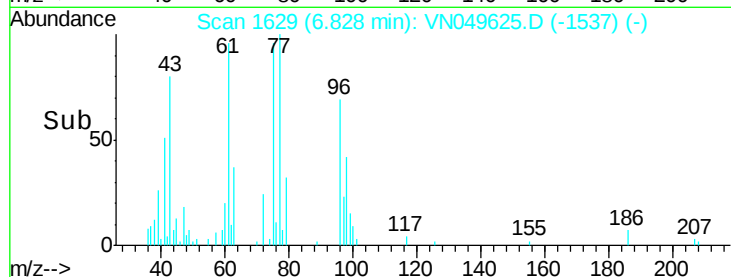
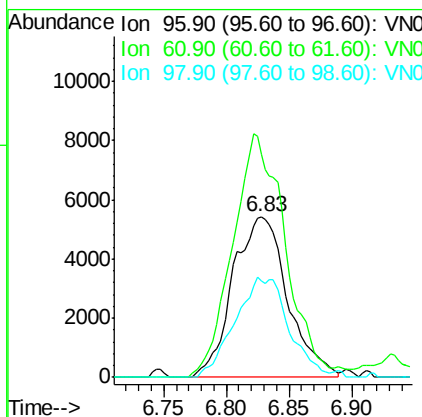
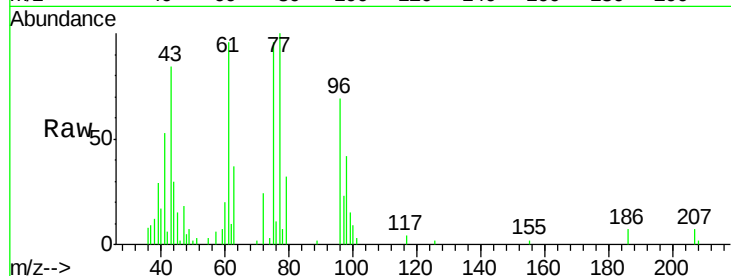
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	16532
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	289.0
98	60.4	0.0	130.2

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#28

Bromochloromethane

Concen: 0.95 ug/l

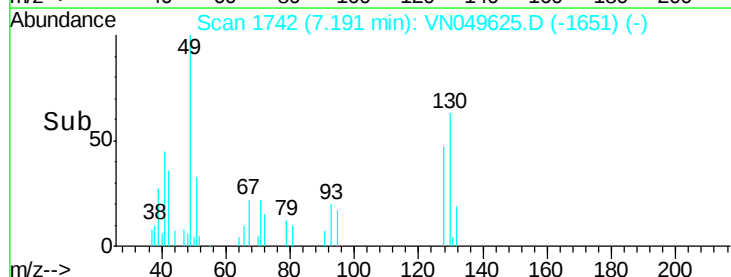
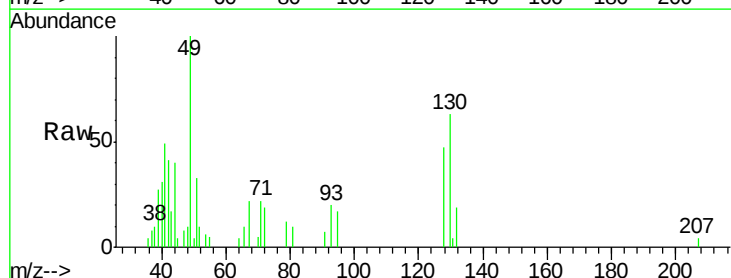
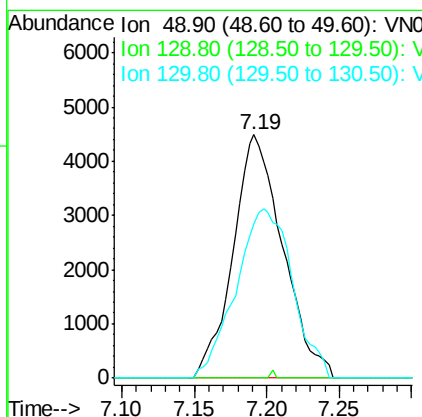
RT: 7.19 min Scan# 1742

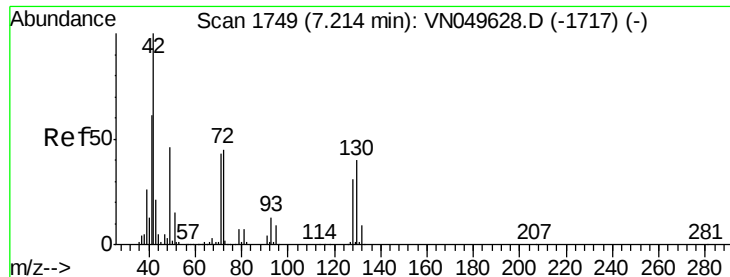
Delta R.T. -0.01 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	49	Resp:	10697
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.2
130	78.9	65.5	98.3





#29

Tetrahydrofuran

Concen: 4.64 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

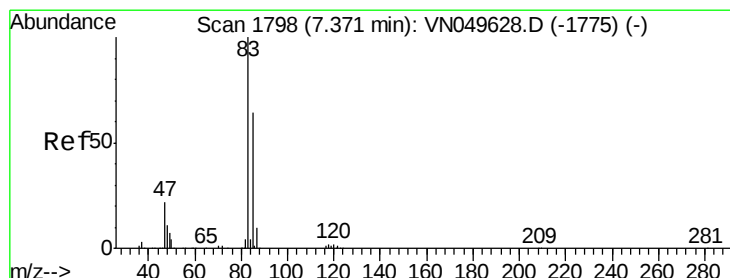
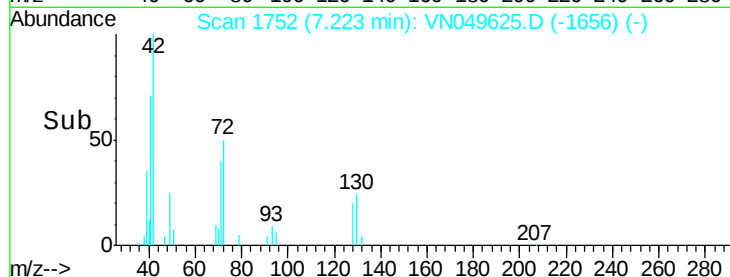
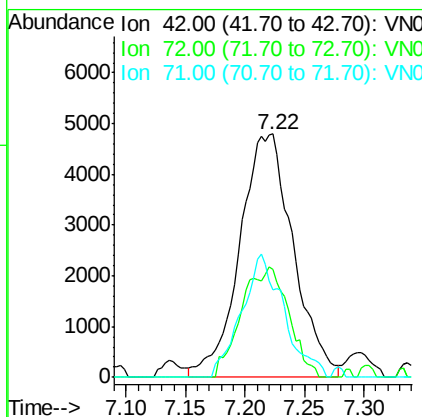
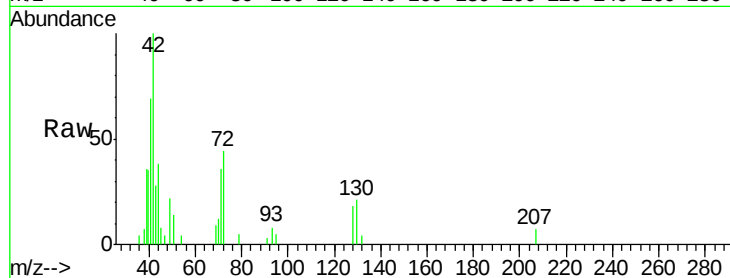
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	14965
Ion	Ratio	Lower	Upper
42	100		
72	18.9	35.6	53.4#
71	40.0	34.0	51.0

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#30

Chloroform

Concen: 1.17 ug/l

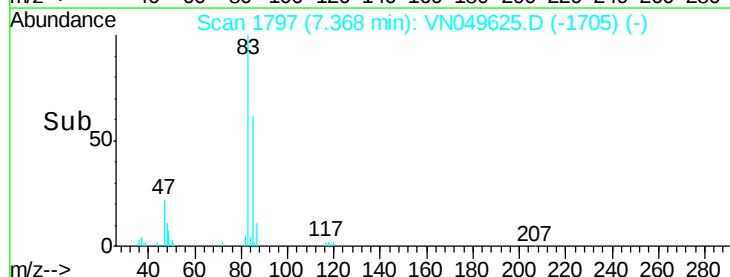
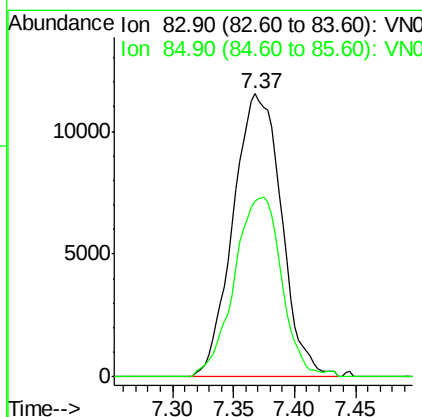
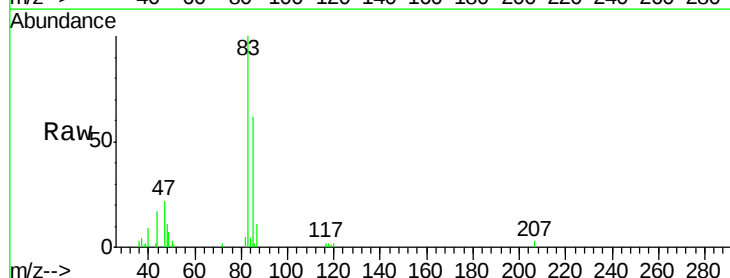
RT: 7.37 min Scan# 1797

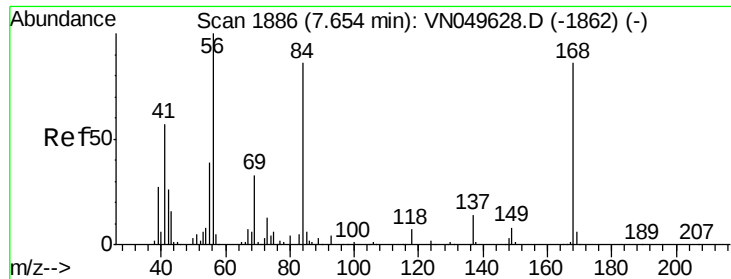
Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	83	Resp:	31740
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2





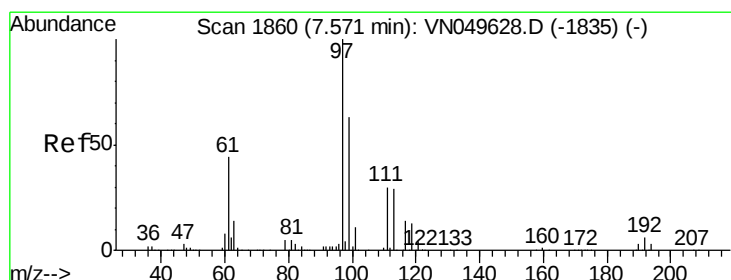
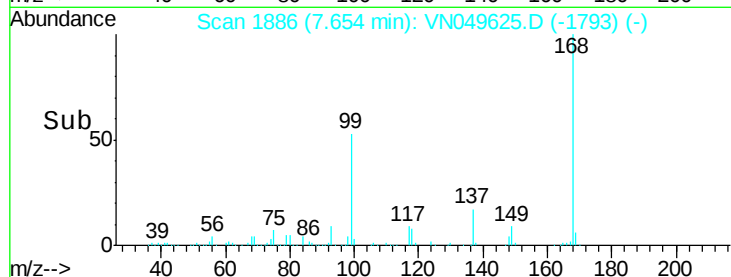
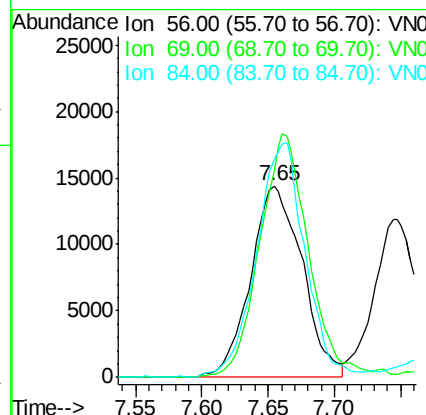
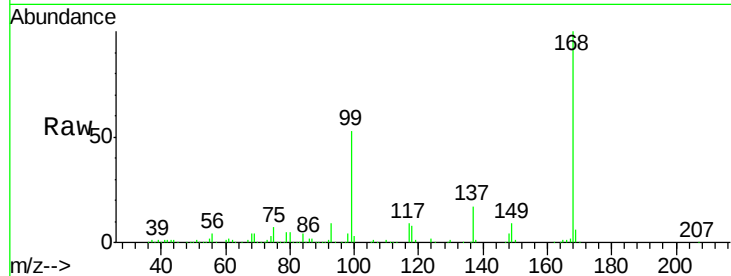
#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	107.8	26.6	40.0#
84	113.8	69.0	103.6#

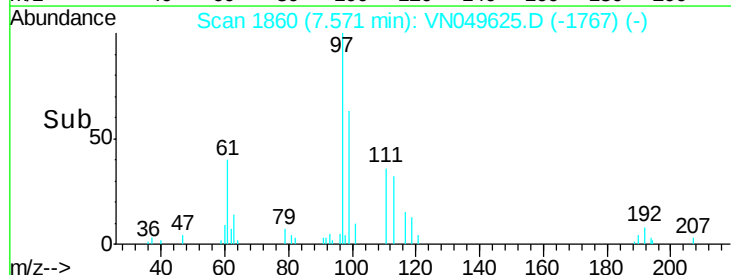
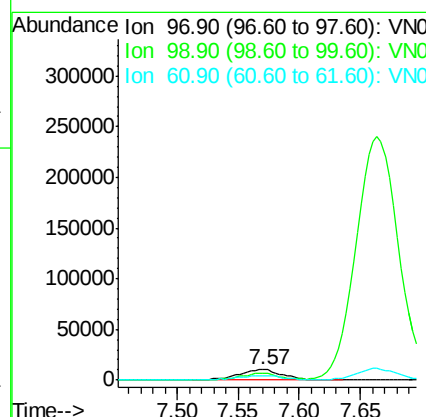
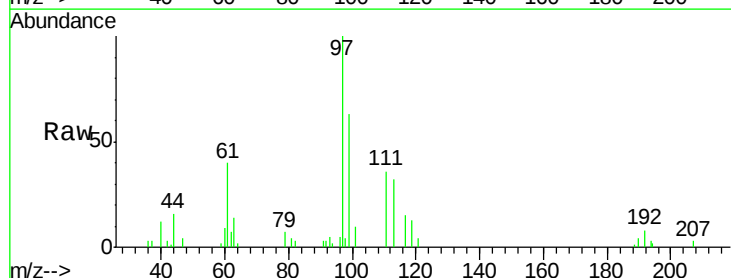
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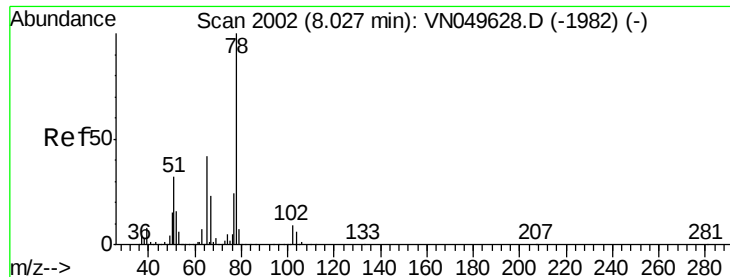
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#32
1,1,1-Trichloroethane
Concen: 1.11 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	45.4	35.5	53.3





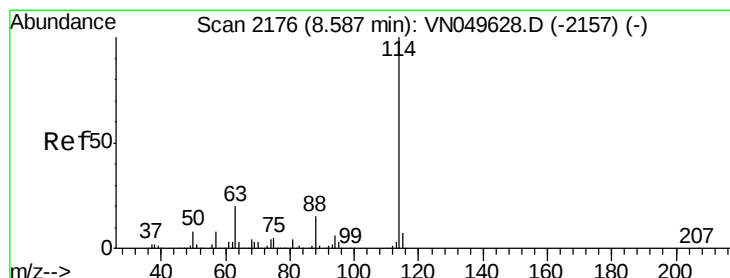
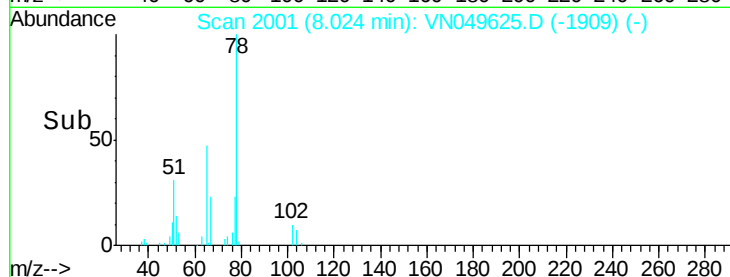
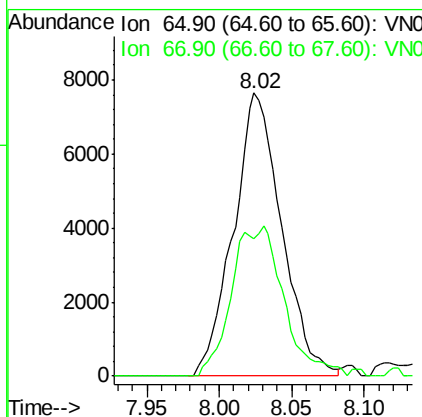
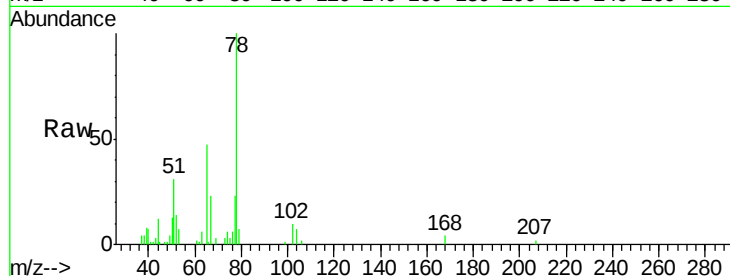
#33
 1,2-Dichloroethane-d4
 Concen: 1.16 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.2	0.0	107.2

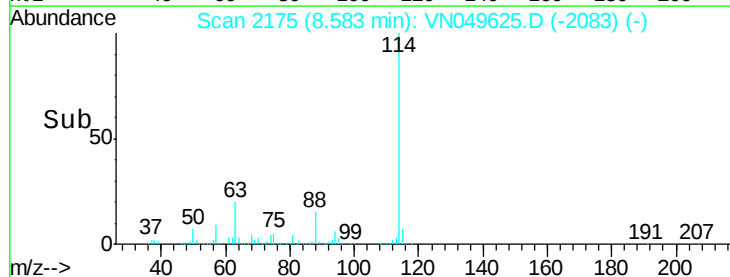
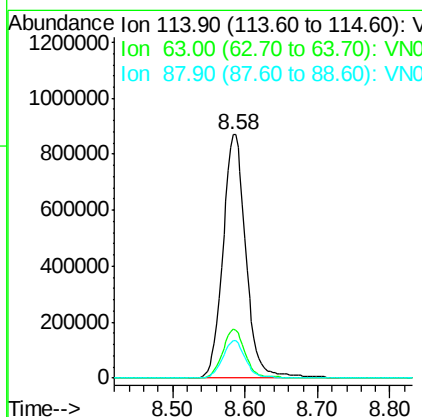
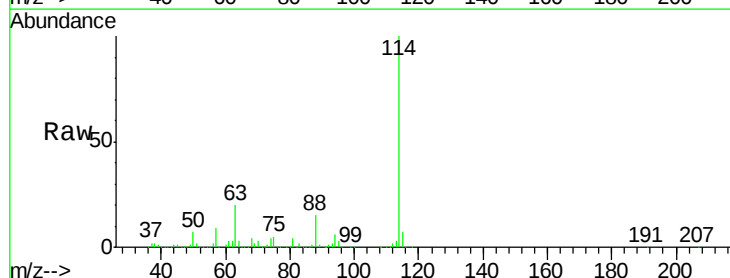
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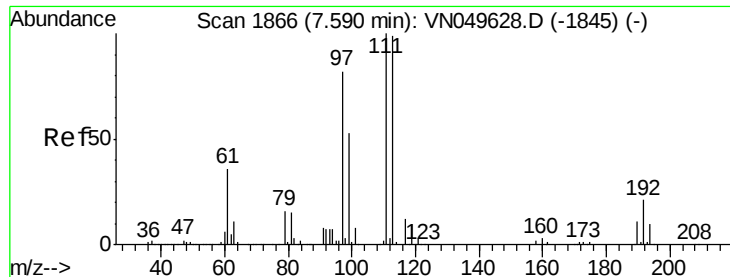
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.8
88	15.3	0.0	30.6





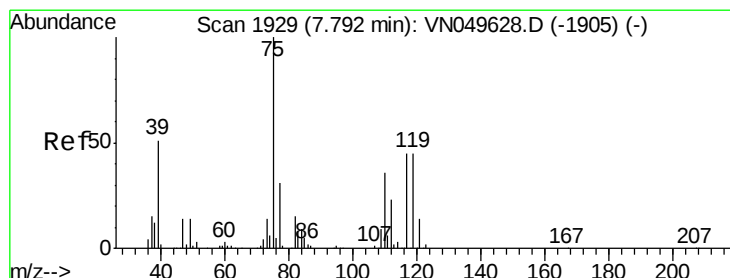
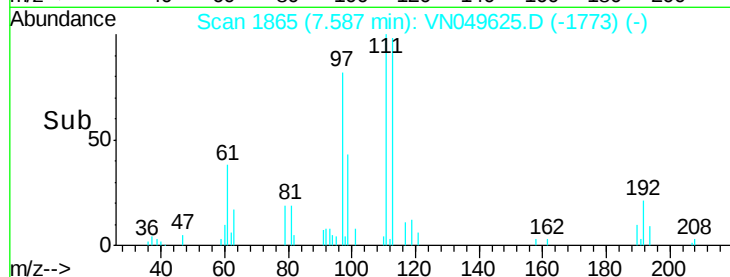
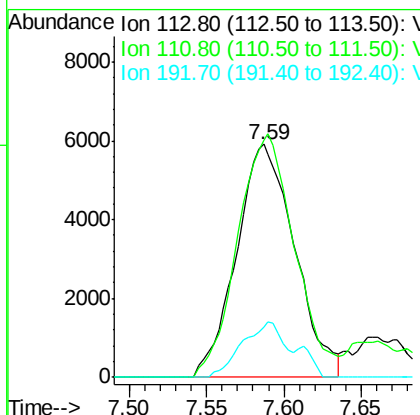
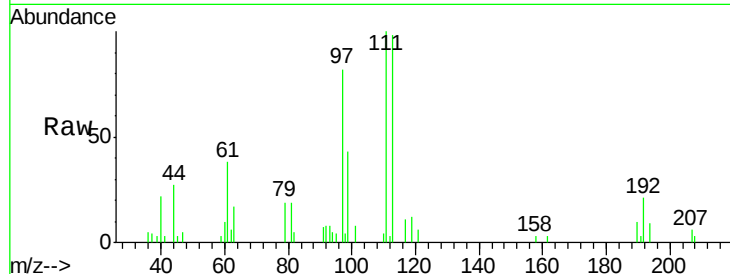
#35
Dibromofluoromethane
Concen: 1.08 ug/l
RT: 7.59 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.8
192	17.3	17.8	26.6

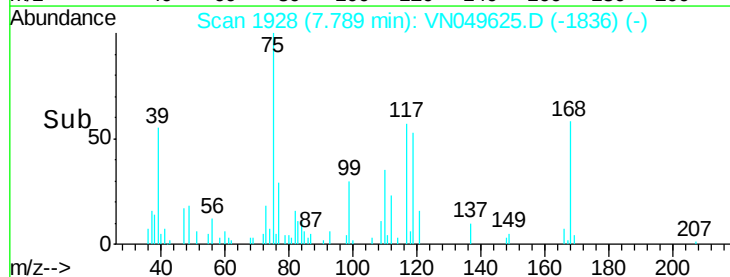
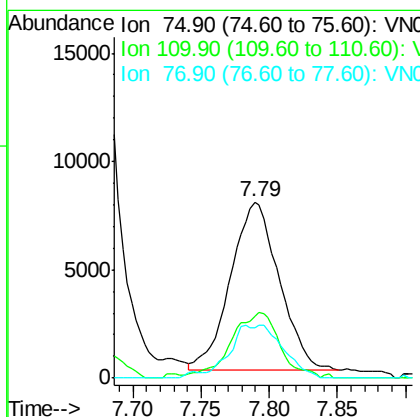
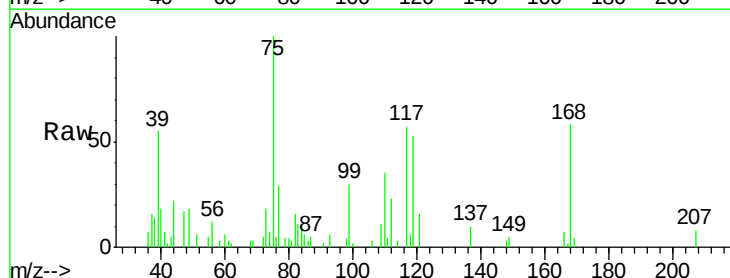
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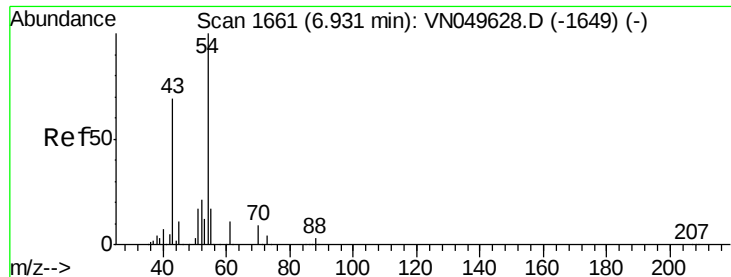
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#36
1,1-Dichloropropene
Concen: 0.90 ug/l
RT: 7.79 min Scan# 1928
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.1	54.4
77	13.6	24.9	37.3





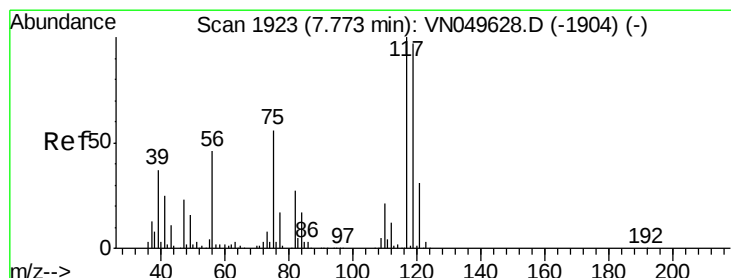
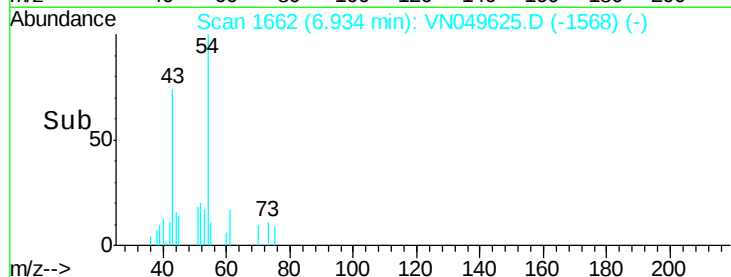
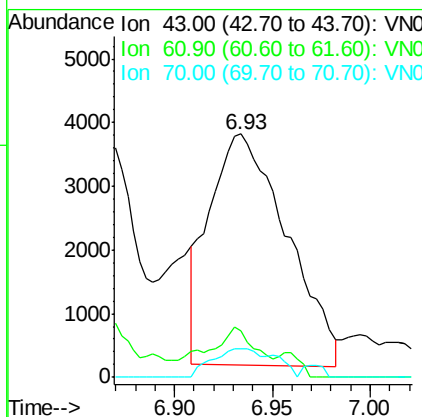
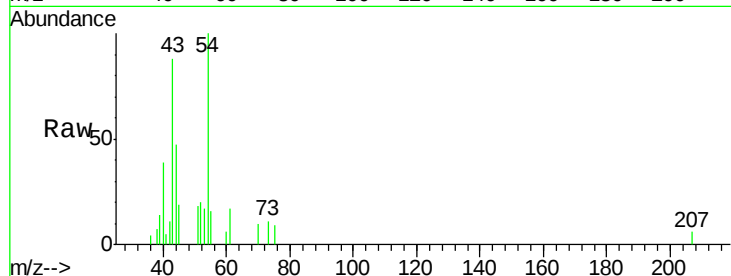
#37
Ethyl Acetate
Concen: 0.80 ug/l m
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	43	Resp	10008
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.7	17.5#
70	10.1	8.4	12.6

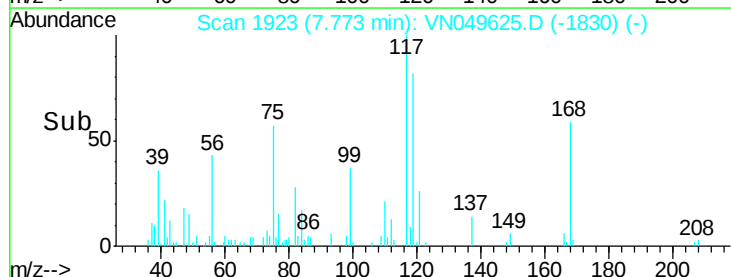
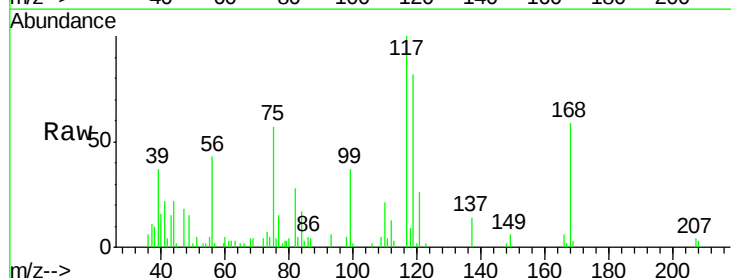
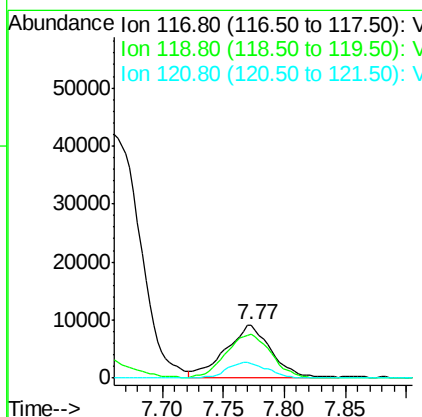
Manual Integrations
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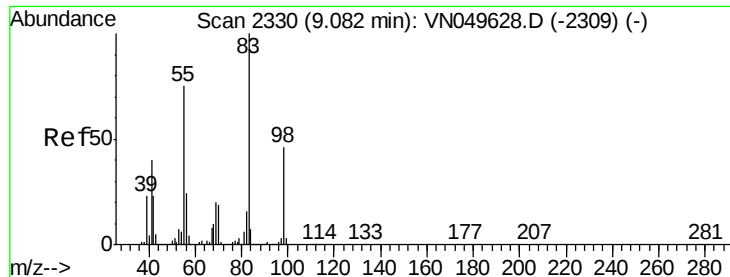
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#38
Carbon Tetrachloride
Concen: 1.09 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	117	Resp	22939
Ion Ratio	Lower	Upper	
117	100		
119	83.3	77.2	115.8
121	26.7	25.0	37.6





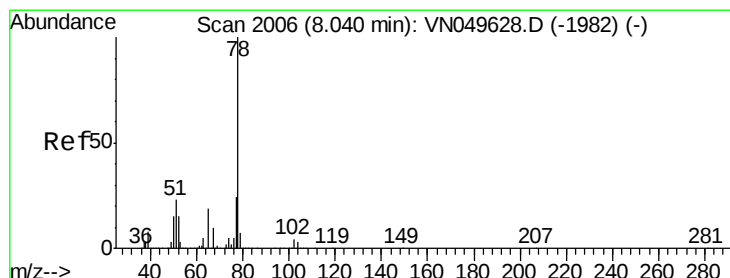
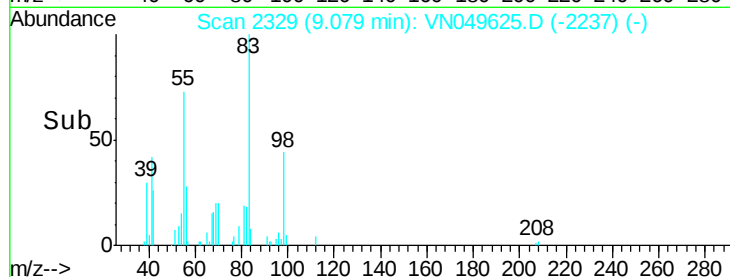
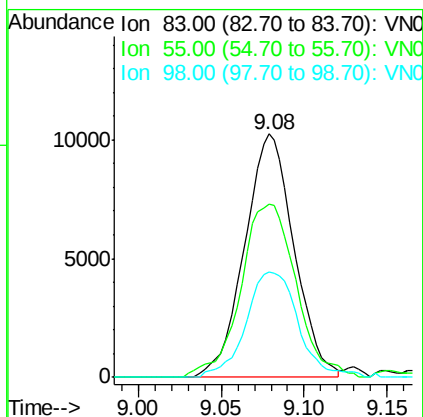
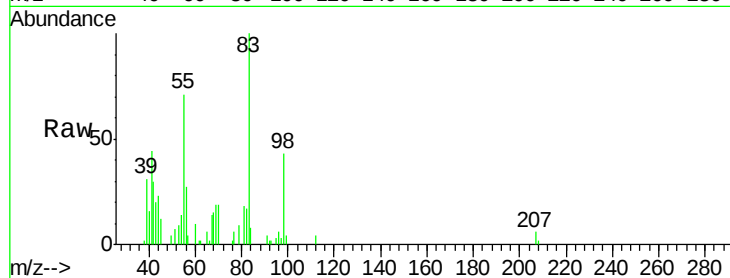
#39
Methvlcvclohexane
Concen: 0.90 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	59.7	89.5
98	43.2	36.5	54.7

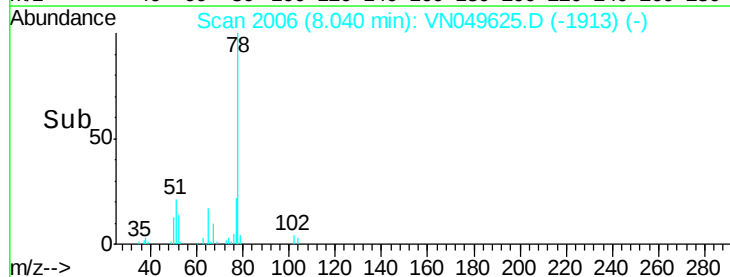
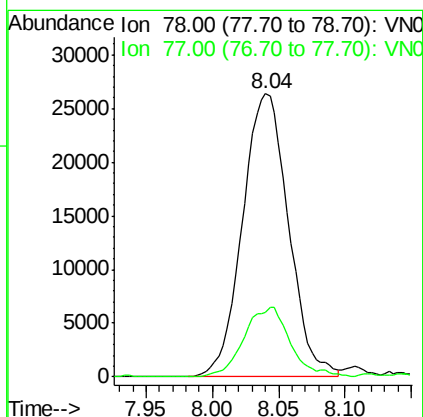
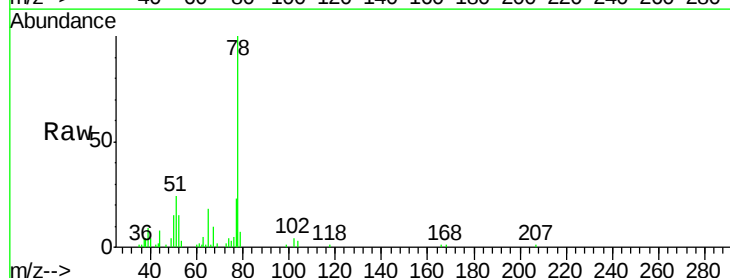
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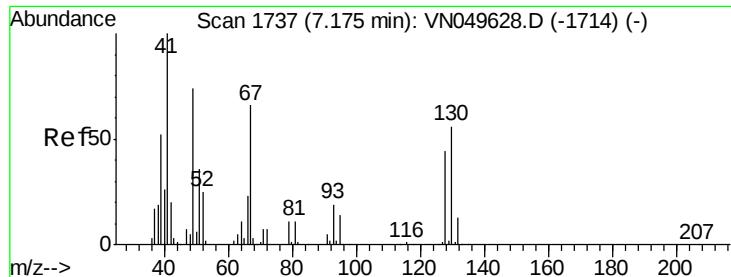
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#40
Benzene
Concen: 0.97 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4





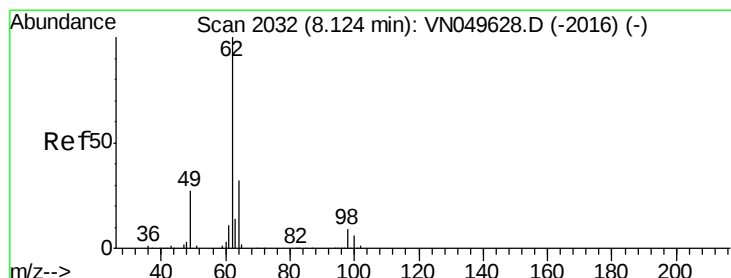
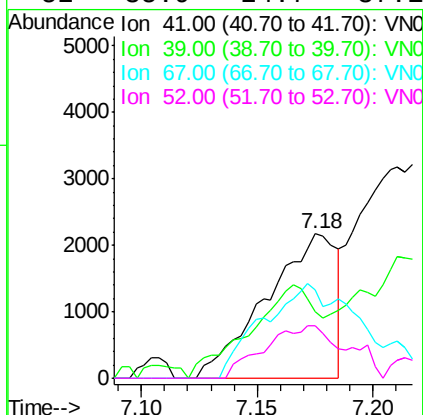
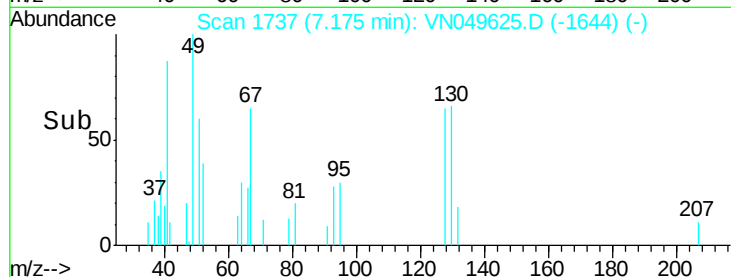
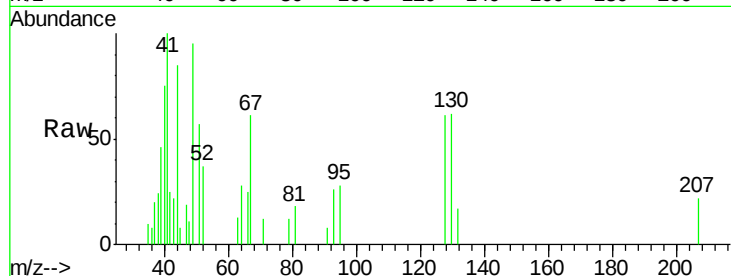
#41
Methacrylonitrile
Concen: 0.68 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.3	45.4	68.2
67	59.7	65.4	98.0
52	35.9	24.7	37.1

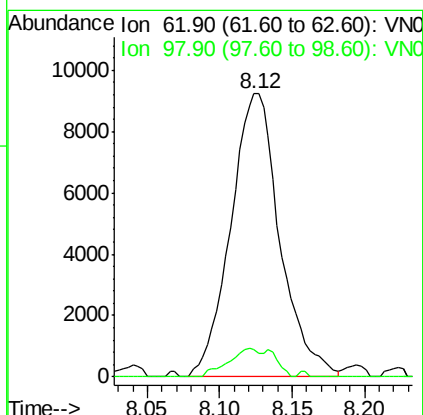
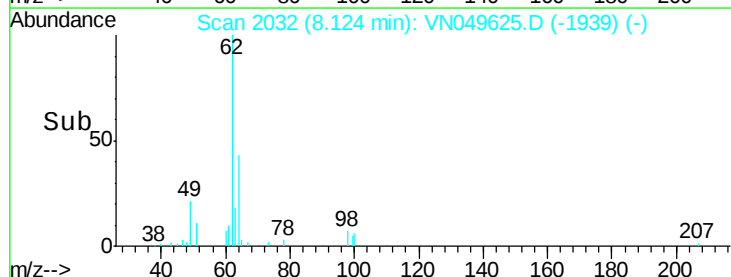
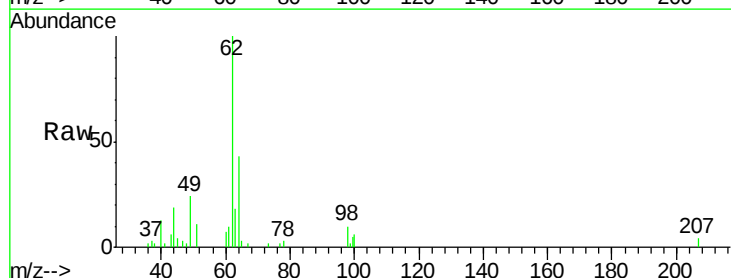
Manual Integrations
APPROVED

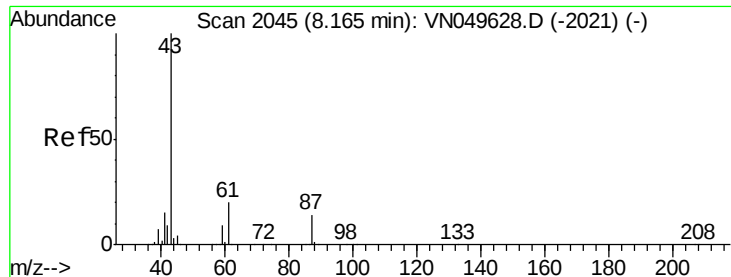
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#42
1,2-Dichloroethane
Concen: 1.04 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

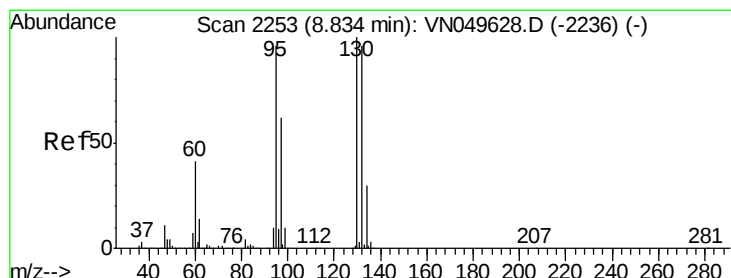
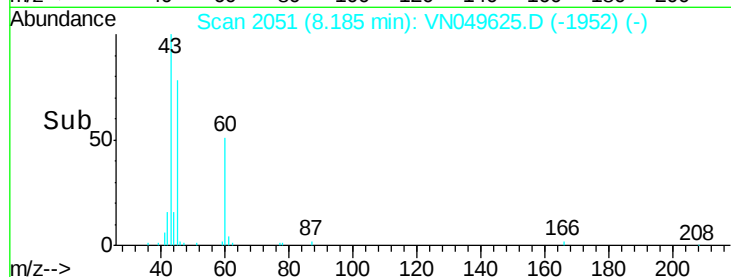
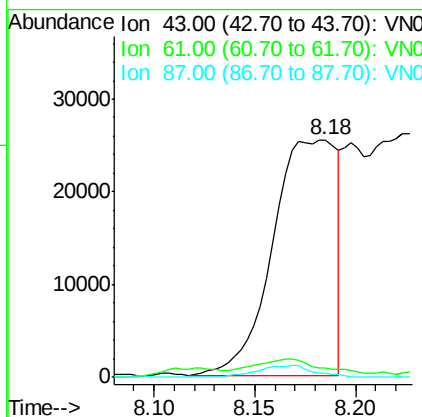
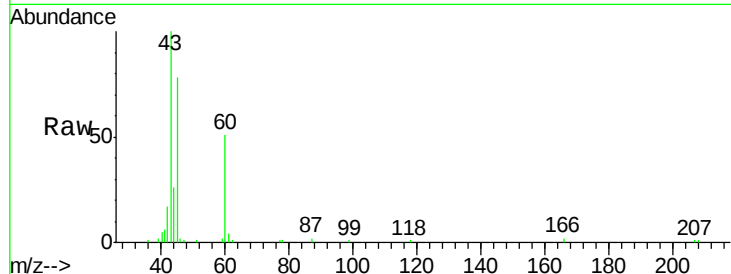
Isopropyl Acetate
 Concen: 1.88 ug/l
 RT: 8.18 min Scan# 2051
 Delta R.T. 0.02 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.5	14.9	22.3#
87	4.4	10.0	15.0#

Manual Integrations
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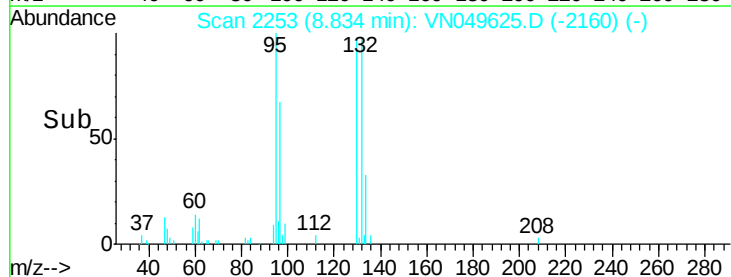
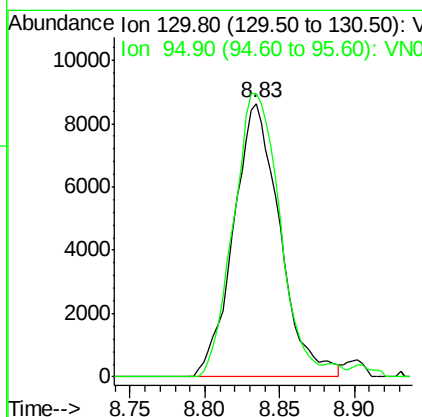
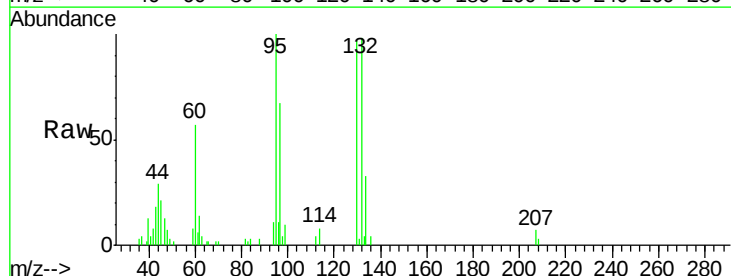
apatel
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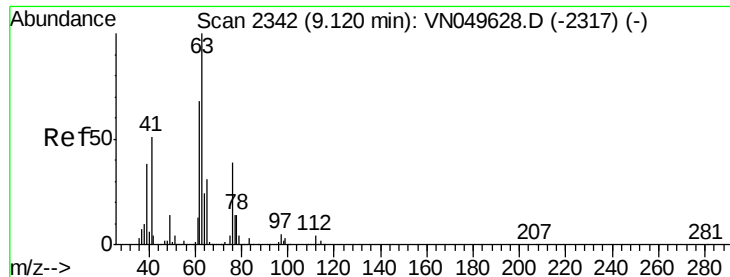


#44

Trichloroethene
 Concen: 0.94 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	192.8





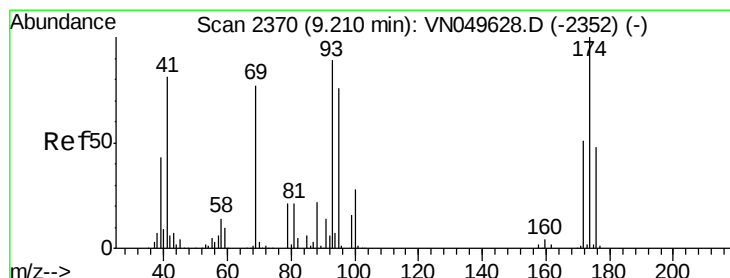
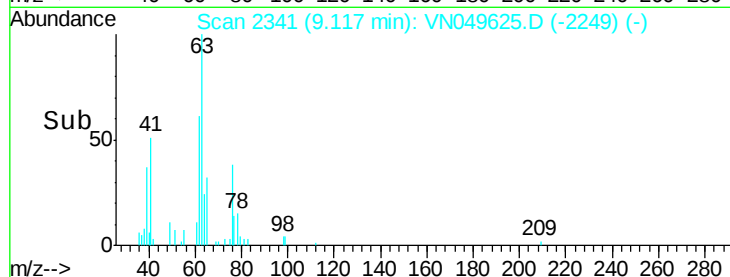
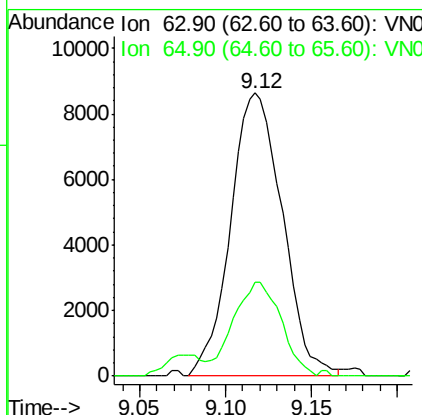
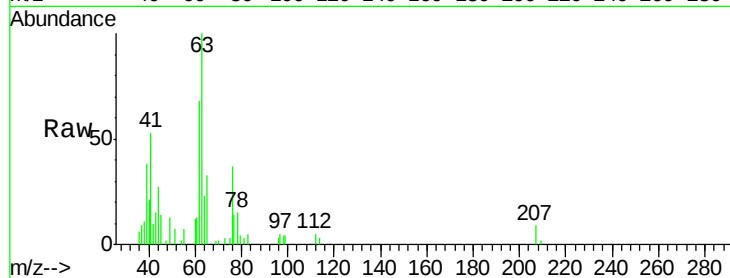
#45
 1,2-Dichloropropane
 Concen: 1.07 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 63 Resp: 18122
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.7 37.1

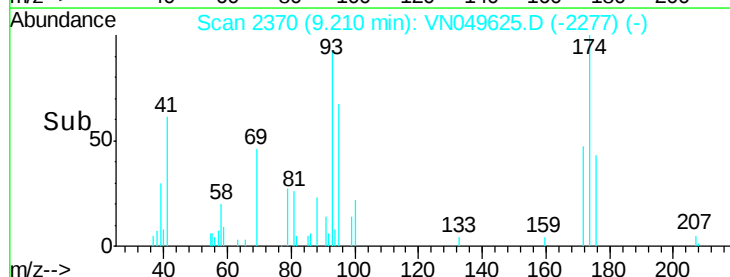
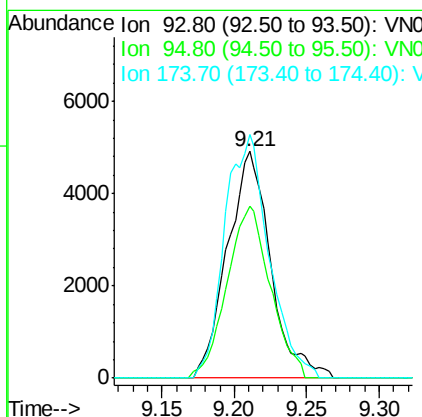
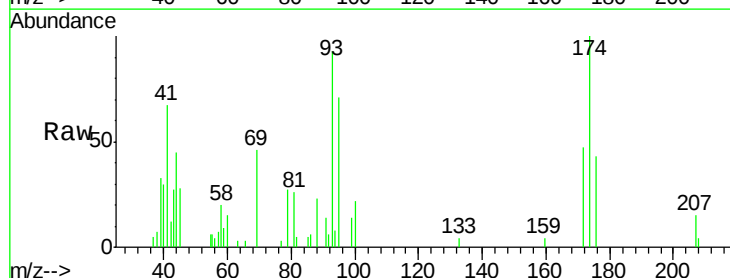
Manual Integrations
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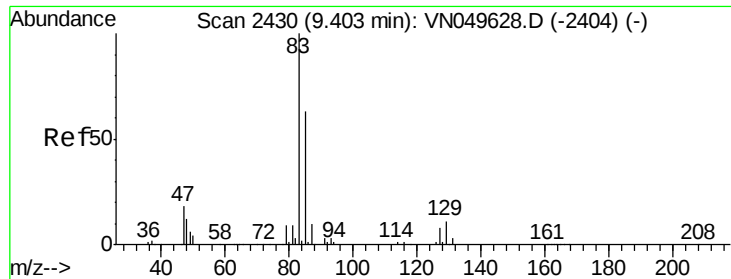
apatel
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#46
 Dibromomethane
 Concen: 0.99 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Tgt Ion: 93 Resp: 10203
 Ion Ratio Lower Upper
 93 100
 95 75.8 67.9 101.9
 174 109.7 89.4 134.0





#47

Bromodichloromethane

Concen: 1.02 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

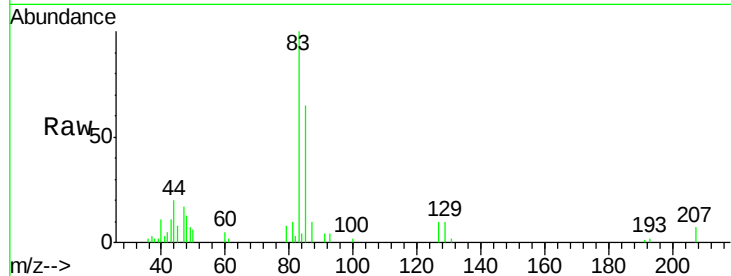
ClientSampled :

VSTDIC001

Tot Ion:	83	Resp:	22408
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.5	75.7
127	10.2	6.8	10.2#

Manual Integrations
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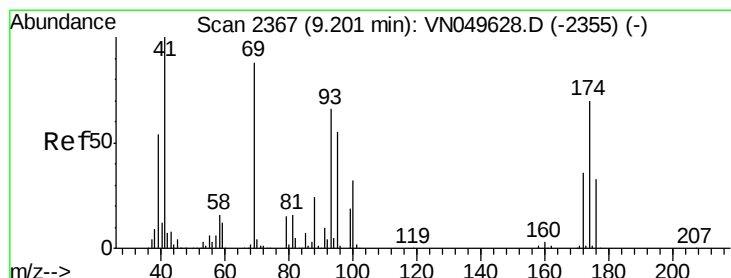
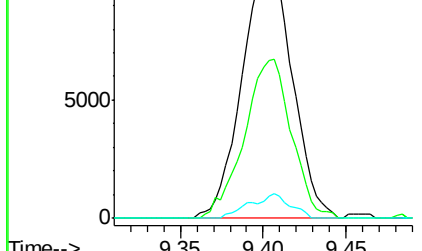
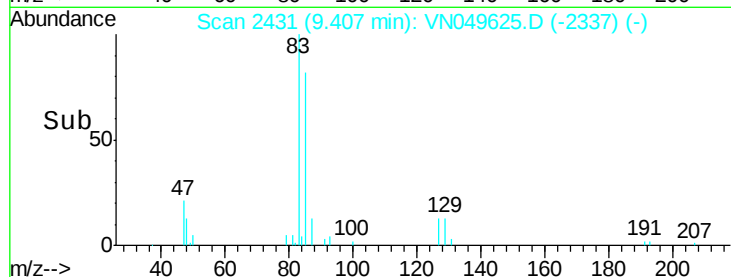


Abundance Ion 82.90 (82.60 to 83.60): VN049625.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049625.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049625.D (-2337) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.83 ug/l

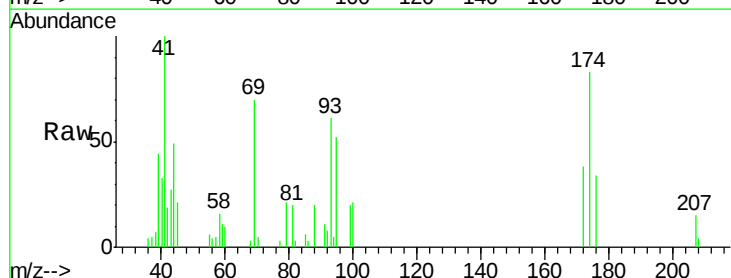
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	41	Resp:	9228
Ion	Ratio	Lower	Upper
41	100		
69	83.4	71.5	107.3
39	60.0	44.7	67.1

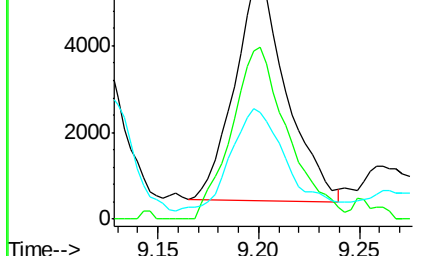
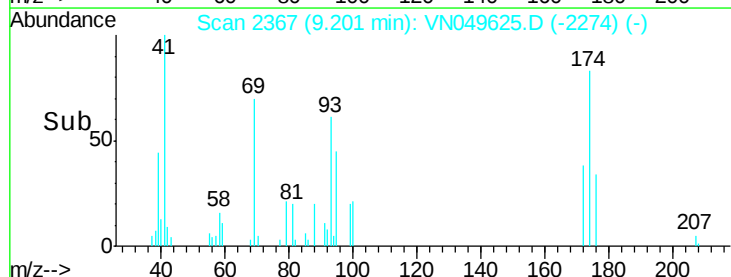


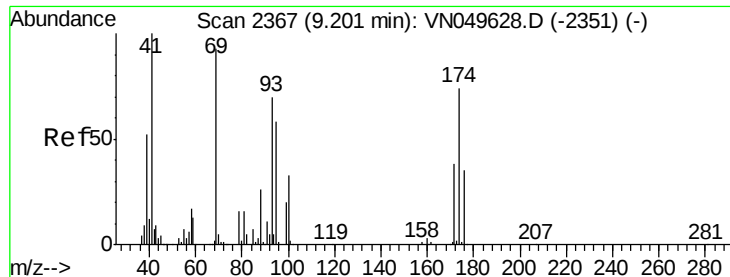
Abundance Ion 41.00 (40.70 to 41.70): VN049625.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049625.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049625.D (-2274) (-)

Time-->





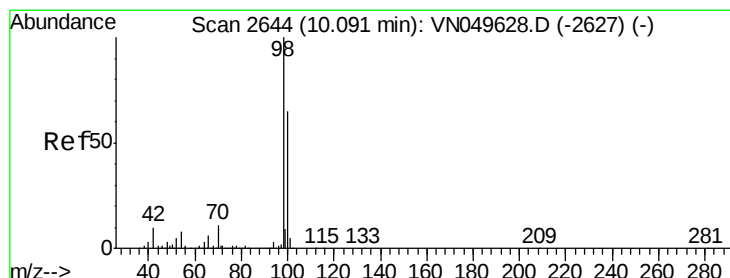
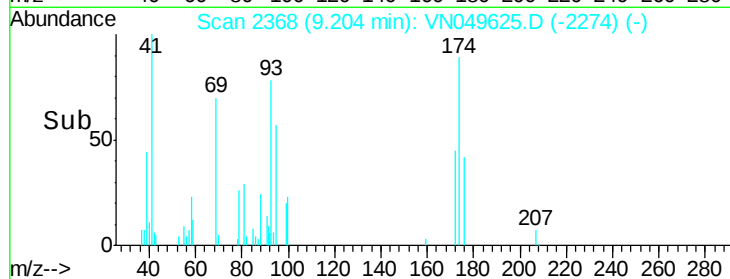
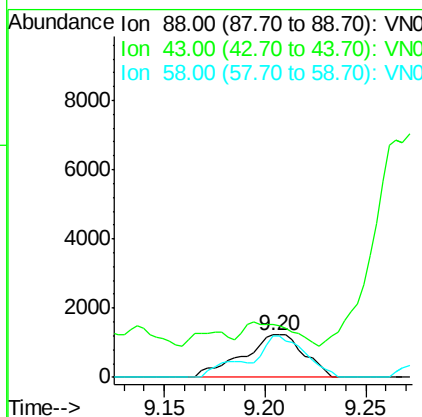
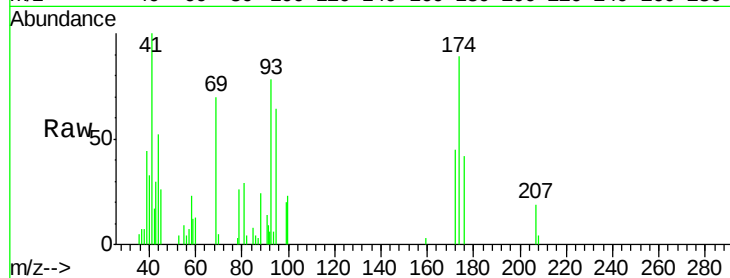
#49
1,4-Dioxane
Concen: 17.38 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	25.1	37.7#
58	68.0	52.5	78.7

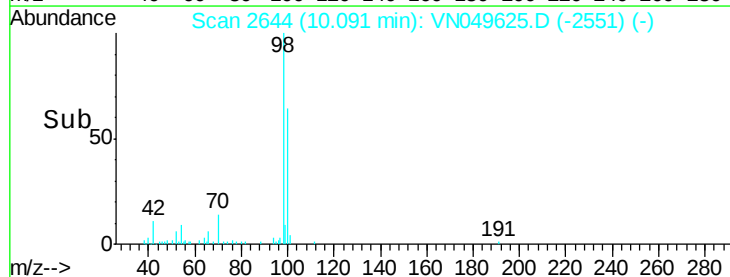
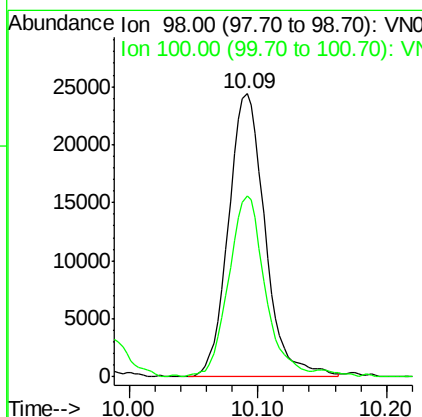
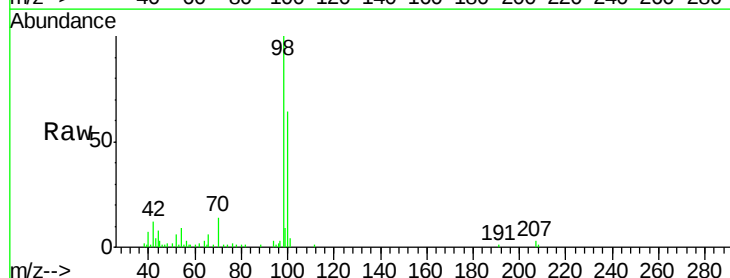
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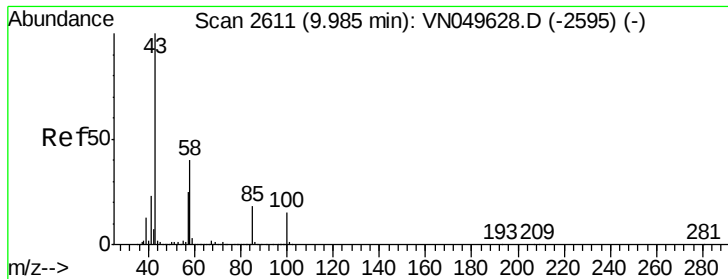
apatel
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#50
Toluene-d8
Concen: 0.86 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





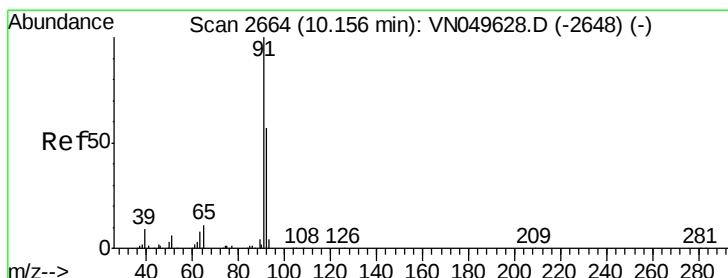
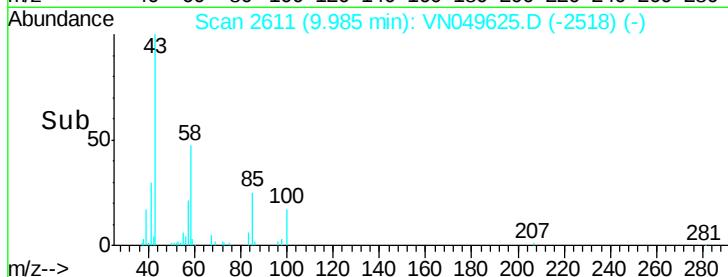
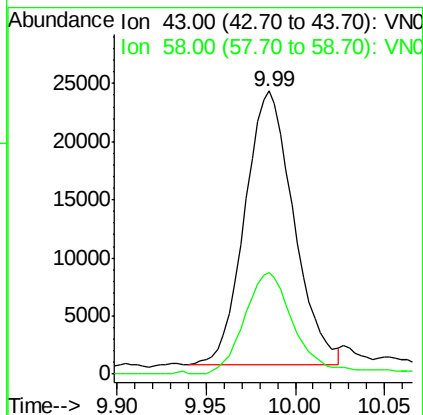
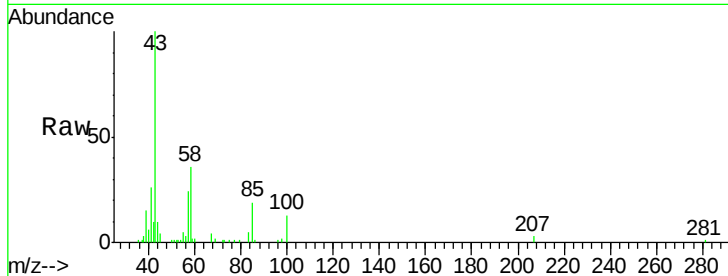
#51
4-Methyl-2-Pentanone
Concen: 3.66 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	43	Resp	45140
Ion Ratio	100	Lower	Upper
43	100		
58	37.6	31.8	47.8

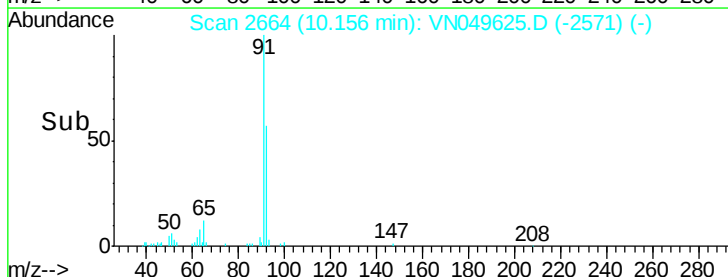
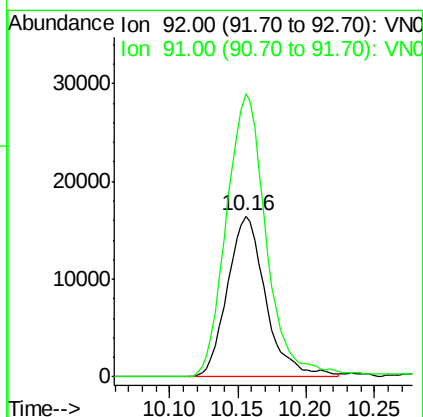
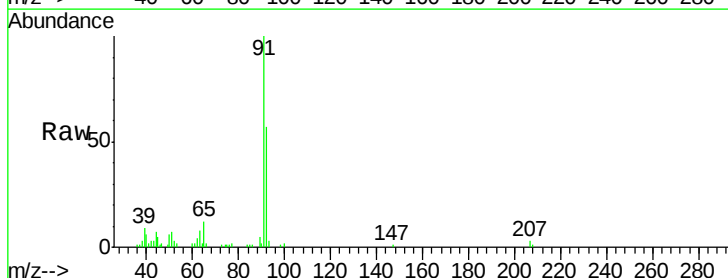
Manual Integrations
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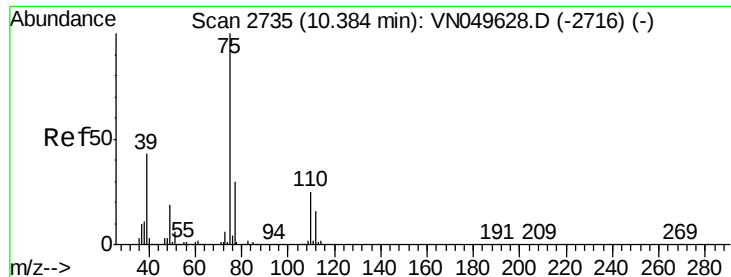
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#52
Toluene
Concen: 0.81 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	92	Resp	32172
Ion Ratio	100	Lower	Upper
92	100		
91	182.0	140.1	210.1





#53

t-1,3-Dichloropropene

Concen: 0.79 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 16480

Ion Ratio Lower Upper

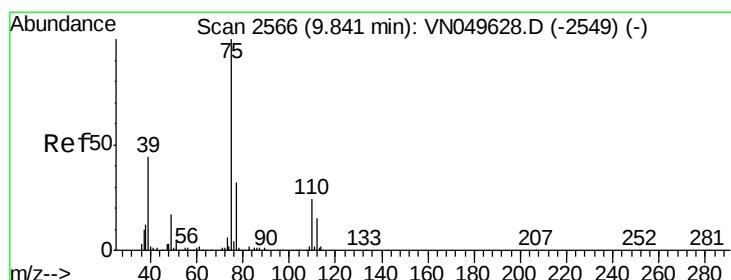
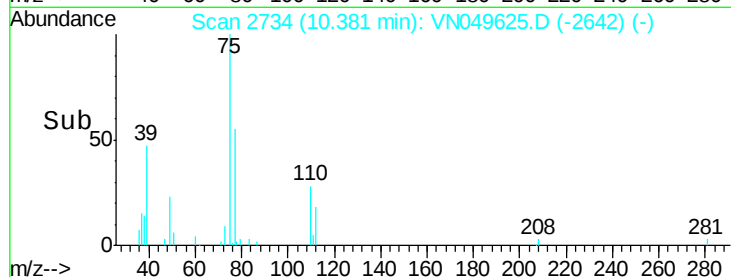
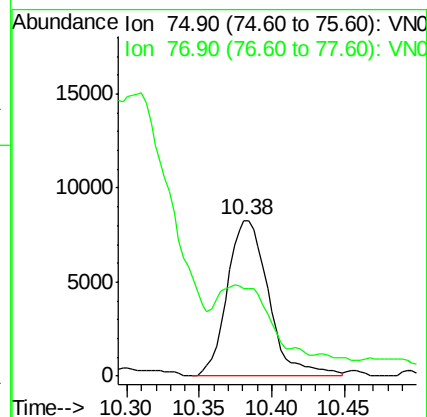
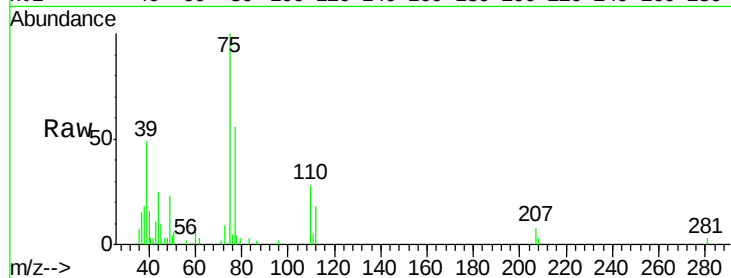
75 100

77 44.5 25.2 37.8#

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 0.82 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

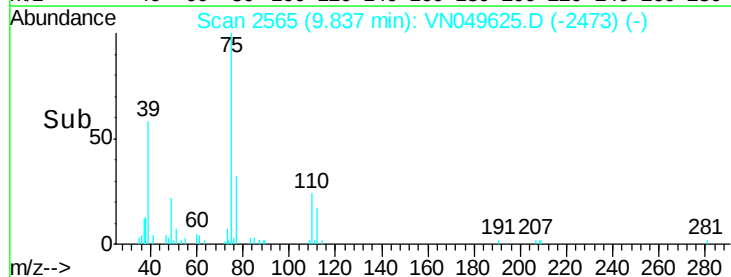
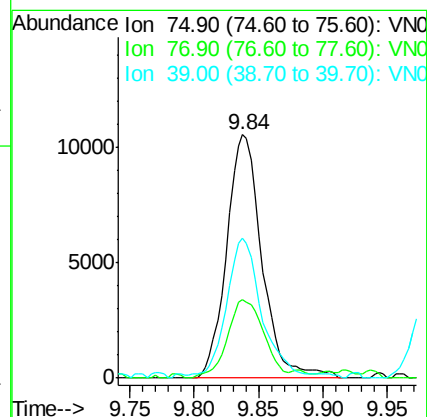
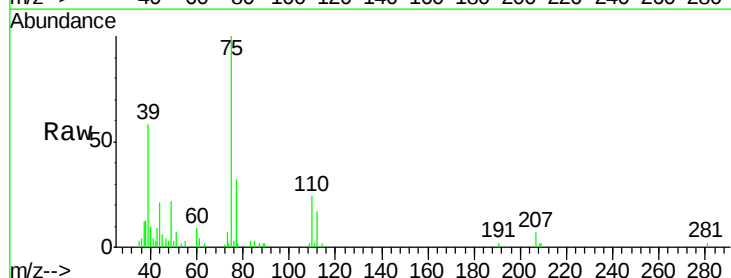
Tgt Ion: 75 Resp: 20010

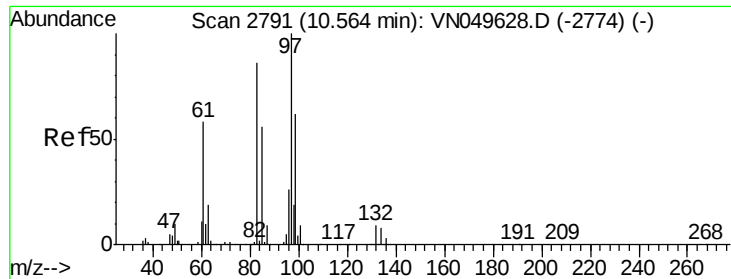
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 57.7 35.5 53.3#





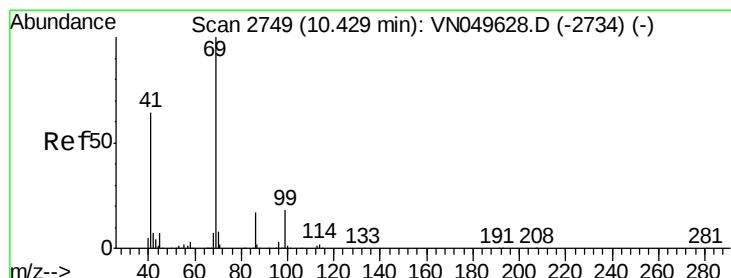
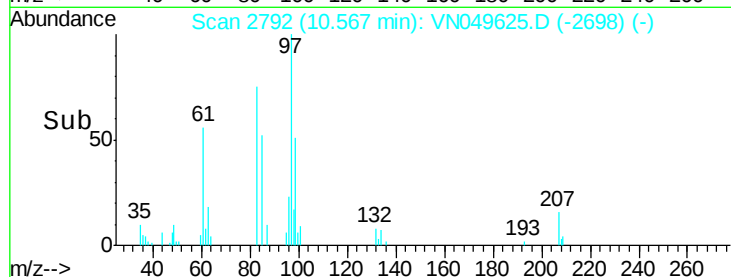
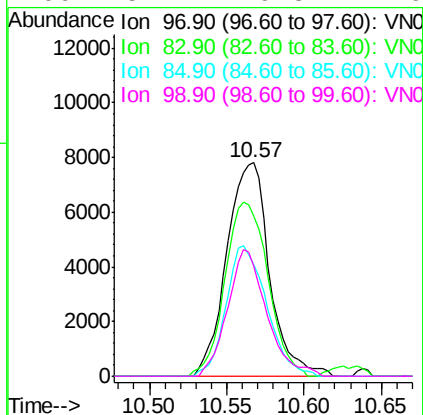
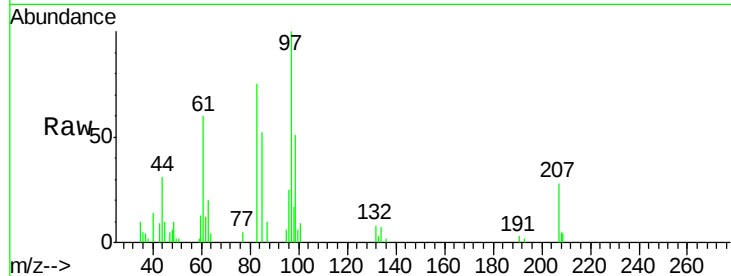
#55
 1,1,2-Trichloroethane
 Concen: 1.02 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	15032
Ion	Ratio	Lower	Upper
97	100		
83	75.0	69.0	103.6
85	52.0	44.9	67.3
99	51.4	49.8	74.6

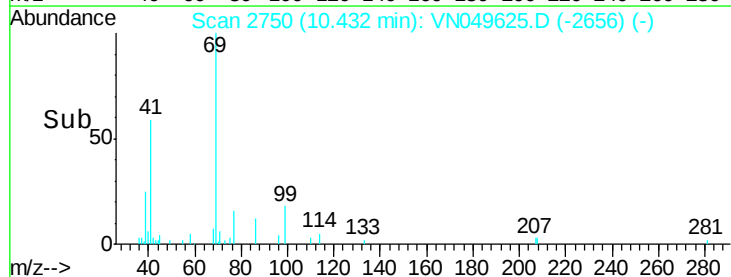
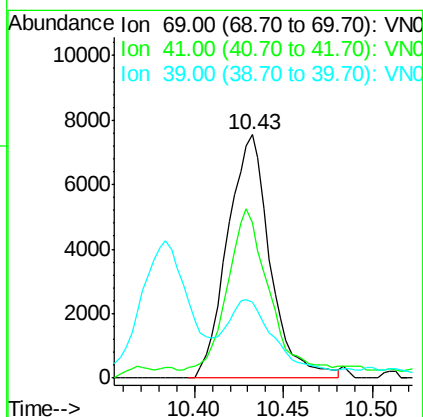
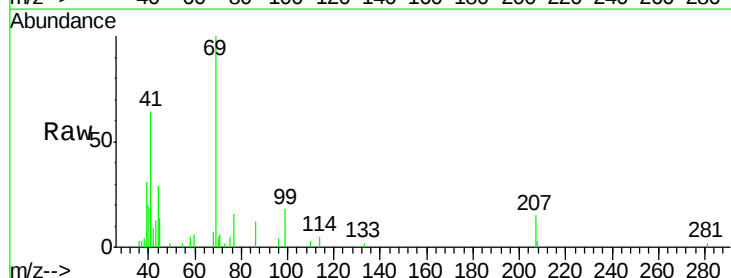
Manual Integrations
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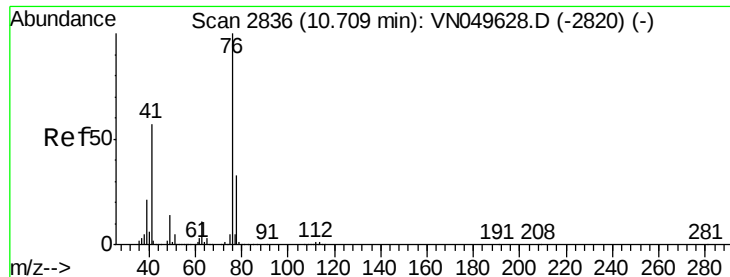
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#56
 Ethyl methacrylate
 Concen: 0.72 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Tgt Ion:	69	Resp:	12512
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.6	77.4
39	30.9	25.8	38.8





#57

1,3-Dichloropropane

Concen: 0.97 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 76 Resp: 23173

Ion Ratio Lower Upper

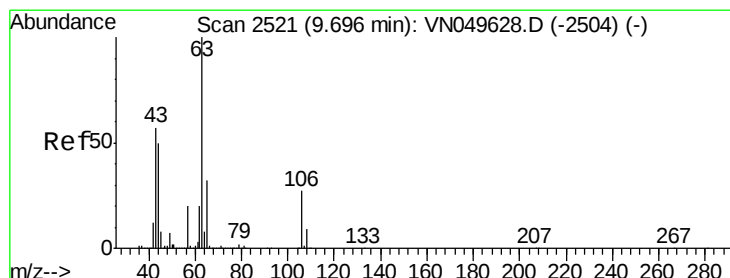
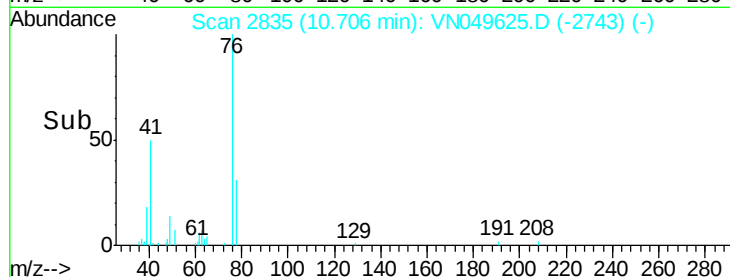
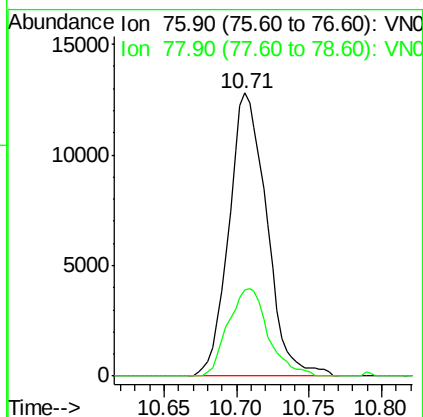
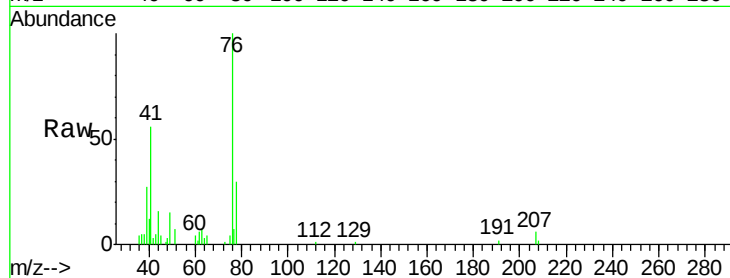
76 100

78 32.8 25.8 38.8

Manual Integrations
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apatel

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#58

2-Chloroethyl Vinyl ether

Concen: 2.62 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049625.D

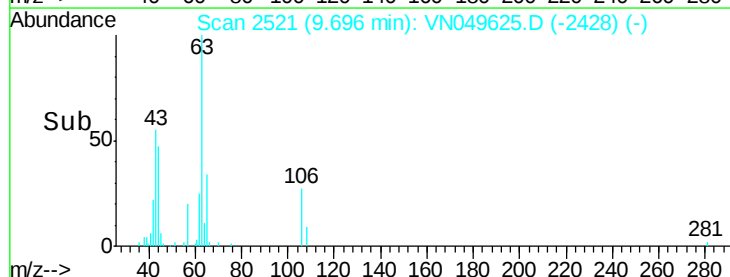
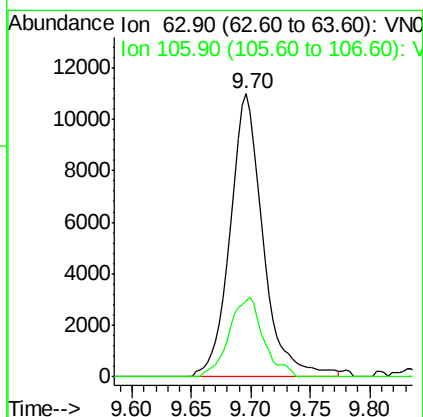
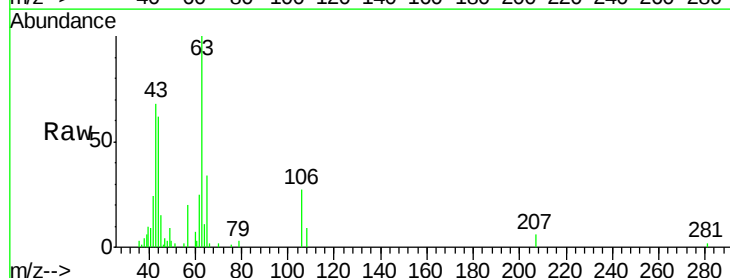
Acq: 29 Jun 2018 10:54

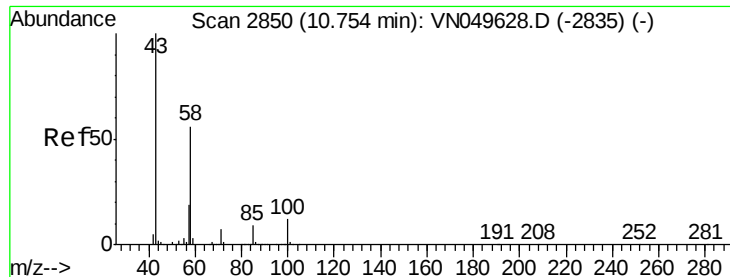
Tgt Ion: 63 Resp: 21133

Ion Ratio Lower Upper

63 100

106 29.0 21.8 32.8





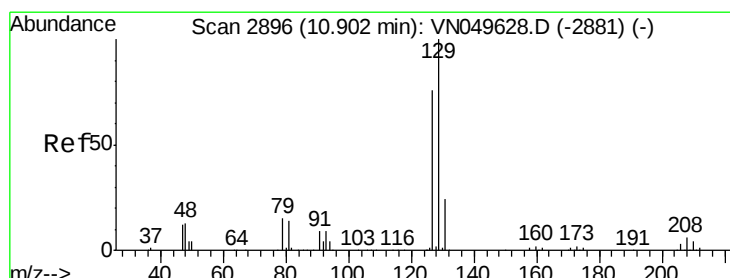
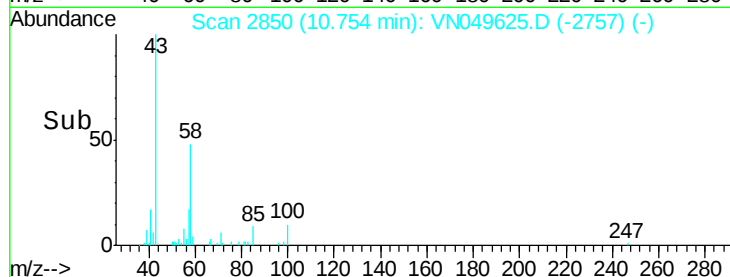
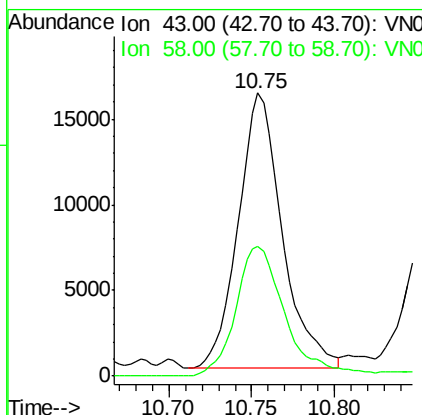
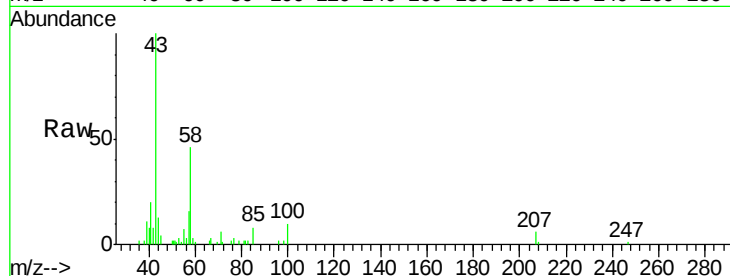
#59
2-Hexanone
Concen: 3.65 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 29736
Ion Ratio Lower Upper
43 100
58 52.8 27.8 83.4

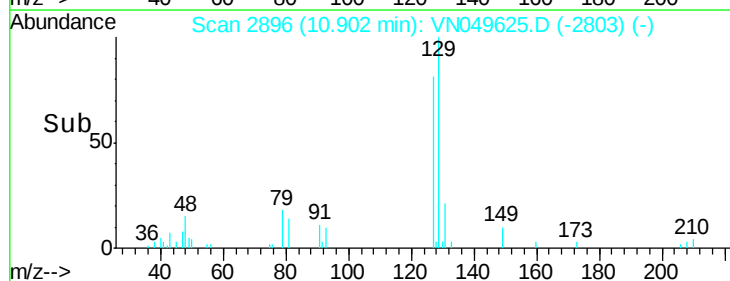
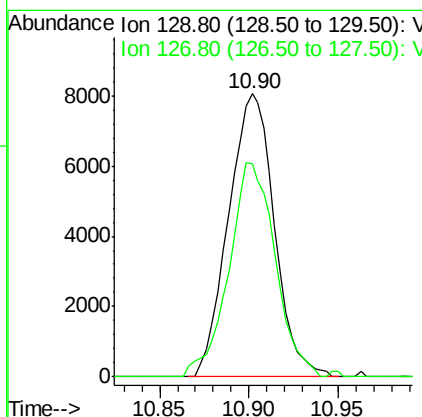
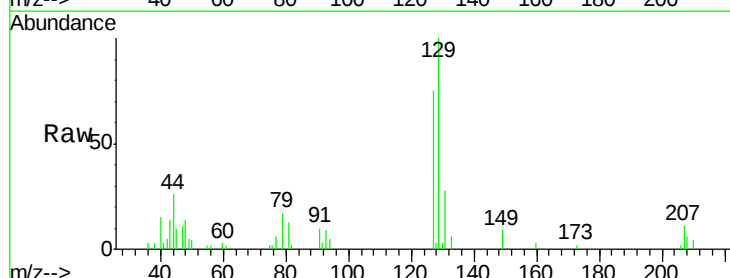
Manual Integrations
APPROVED

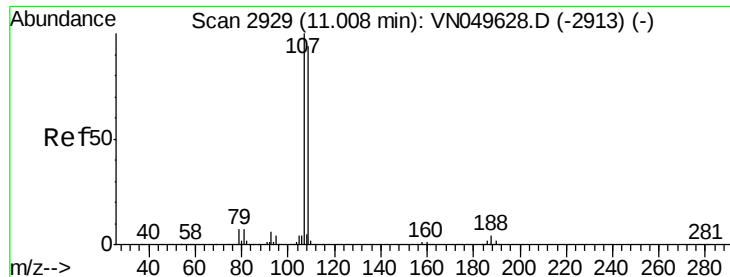
apatel
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#60
Dibromochloromethane
Concen: 0.90 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion: 129 Resp: 14425
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





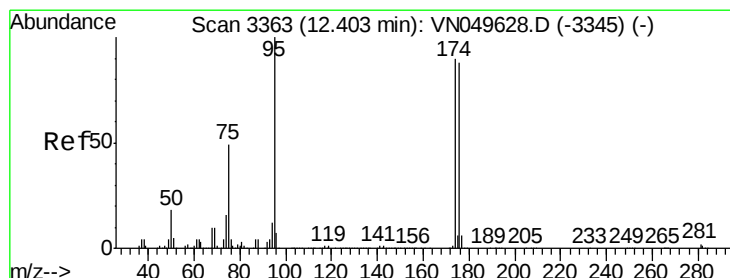
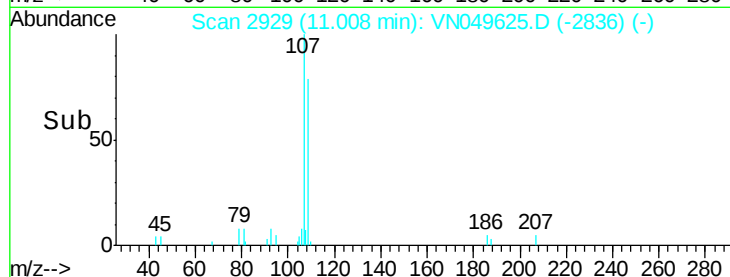
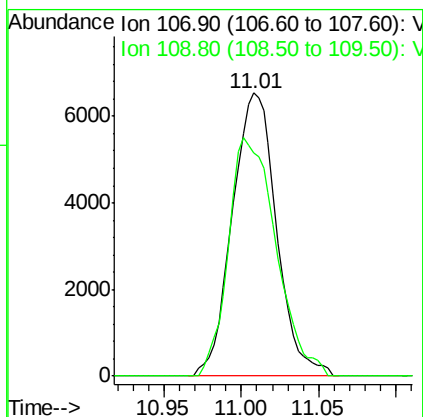
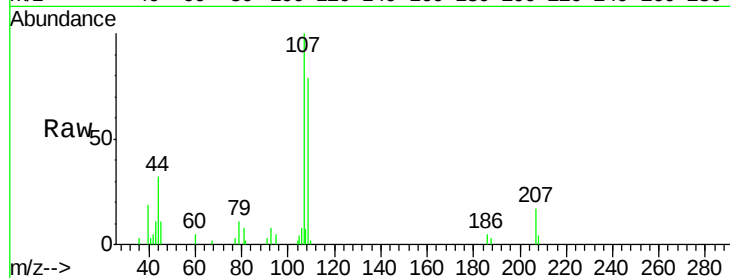
#61
1,2-Dibromoethane
Concen: 0.92 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:107 Resp: 13014
Ion Ratio Lower Upper
107 100
109 90.4 75.0 112.6

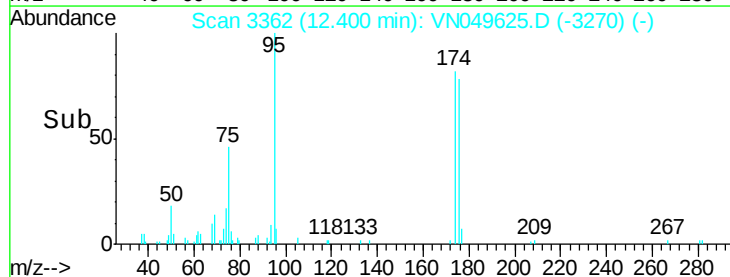
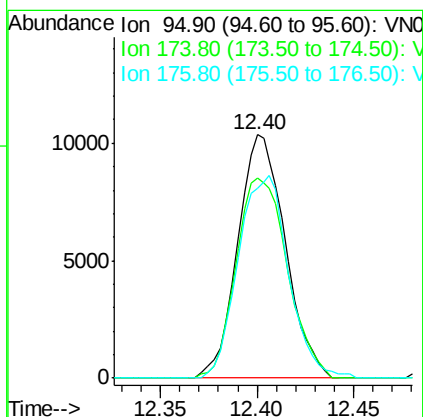
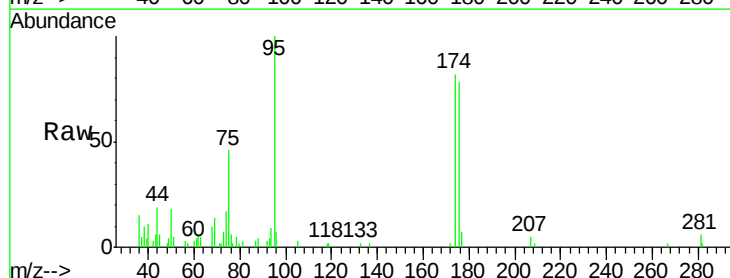
Manual Integrations
APPROVED

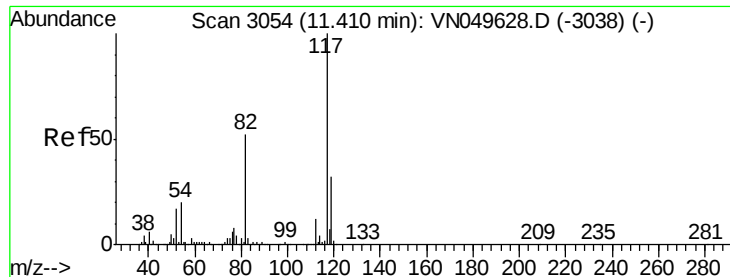
apatel
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#62
4-Bromofluorobenzene
Concen: 0.92 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion: 95 Resp: 17654
Ion Ratio Lower Upper
95 100
174 88.9 0.0 179.6
176 88.2 0.0 174.0





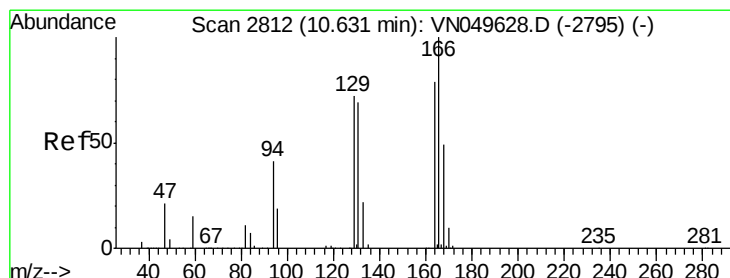
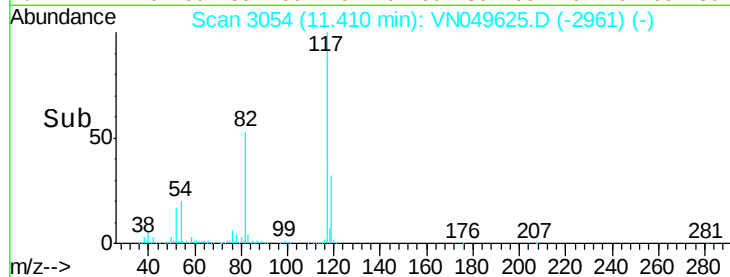
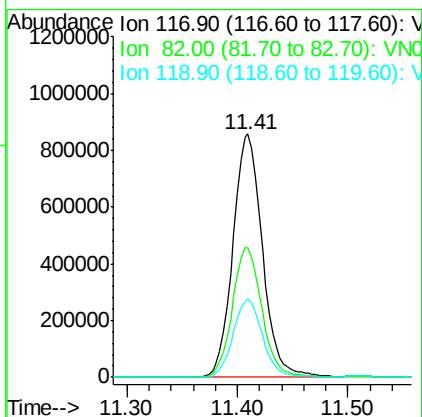
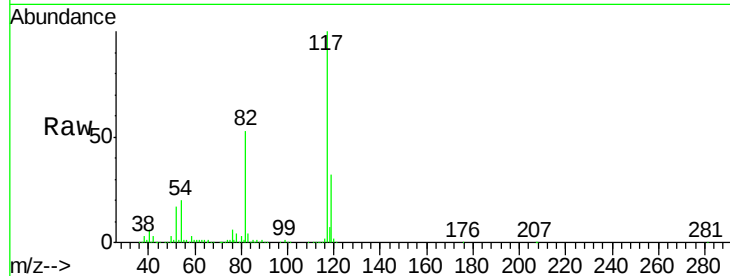
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1592292
Ion Ratio Lower Upper
117 100
82 53.5 41.9 62.9
119 32.3 25.4 38.2

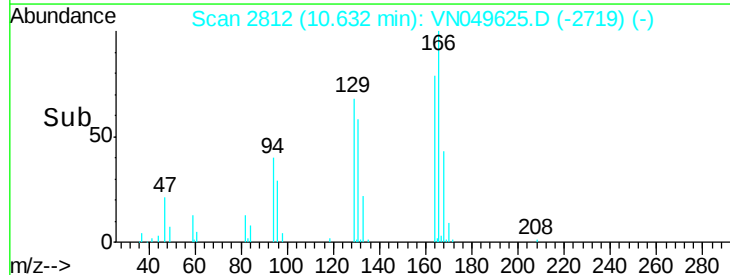
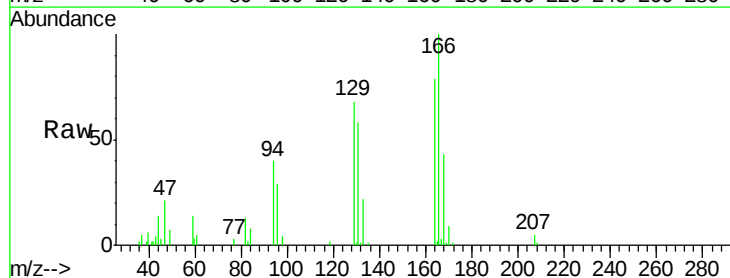
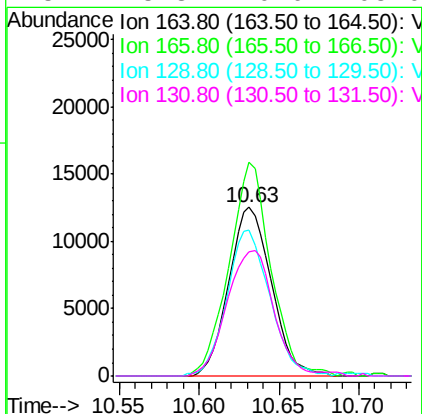
Manual Integrations
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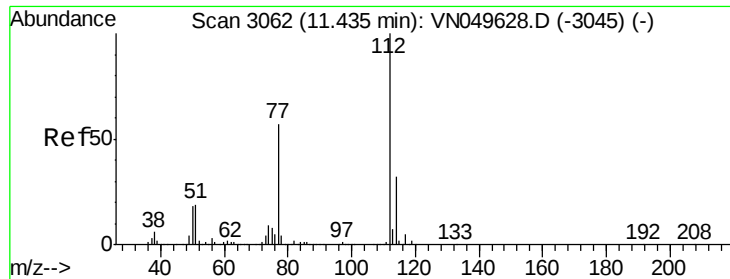
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#64
Tetrachloroethene
Concen: 1.06 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion:164 Resp: 22767
Ion Ratio Lower Upper
164 100
166 126.5 101.8 152.6
129 84.8 72.8 109.2
131 73.3 70.0 105.0





#65

Chlorobenzene

Concen: 1.02 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:112 Resp: 42192

Ion Ratio Lower Upper

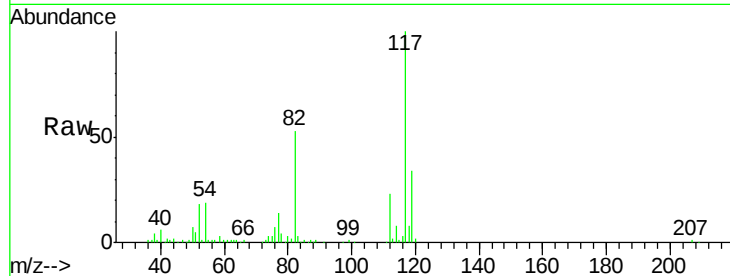
112 100

114 33.9 25.4 38.0

Manual Integrations
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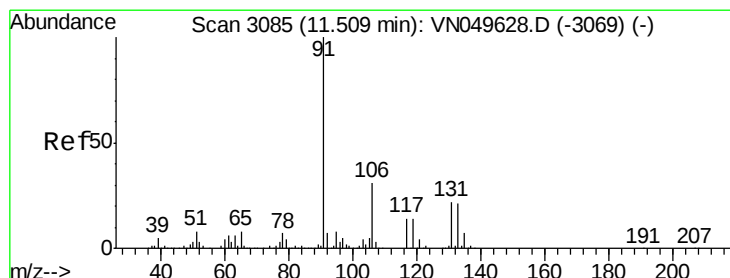
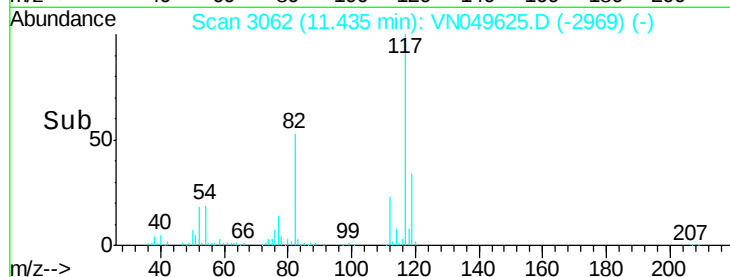
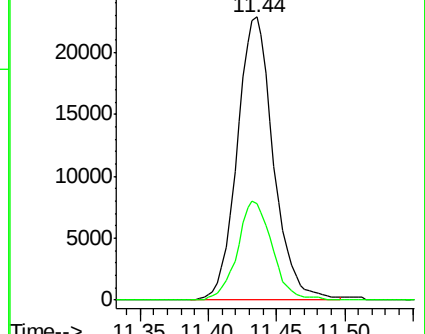
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.02 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

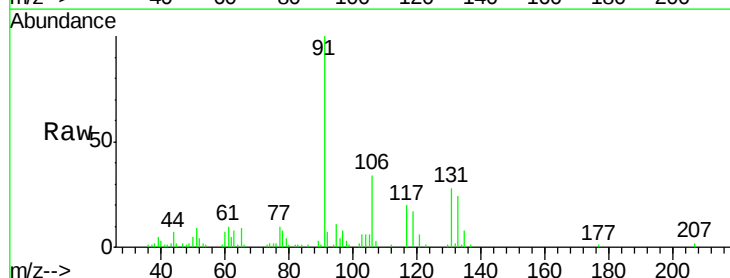
Tgt Ion:131 Resp: 15169

Ion Ratio Lower Upper

131 100

133 93.9 47.5 142.6

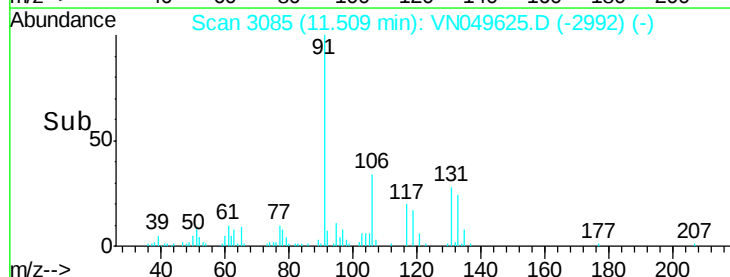
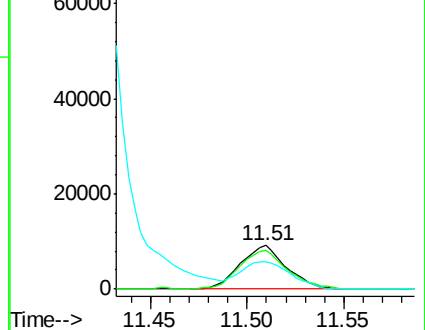
119 0.0 33.1 99.3#

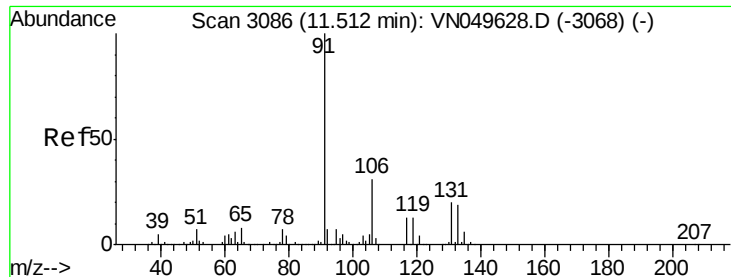


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





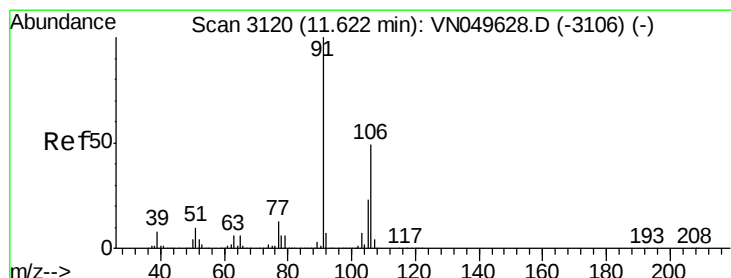
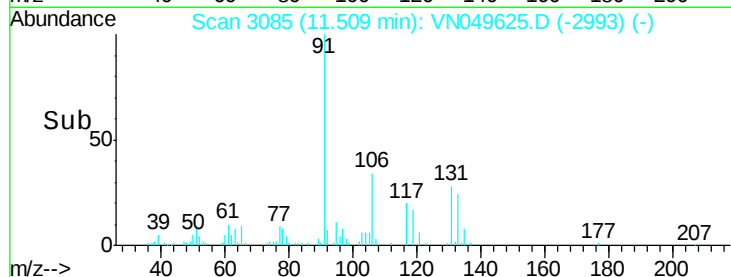
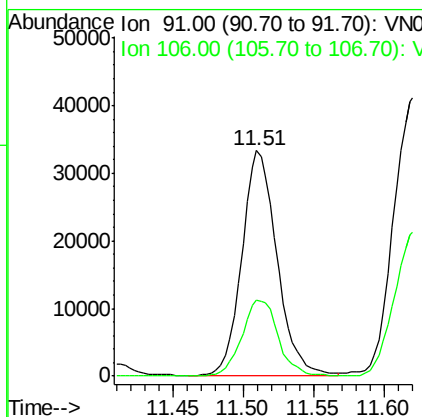
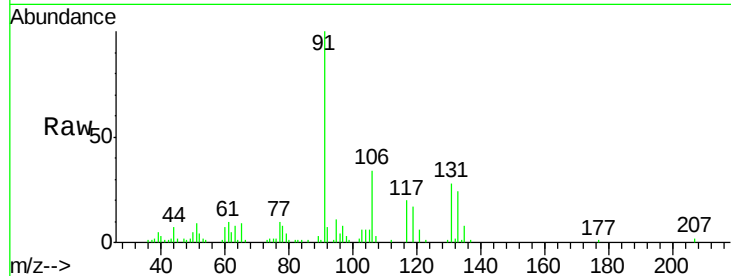
#67
Ethyl Benzene
Concen: 0.85 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 58490
Ion Ratio Lower Upper
91 100
106 33.8 24.8 37.2

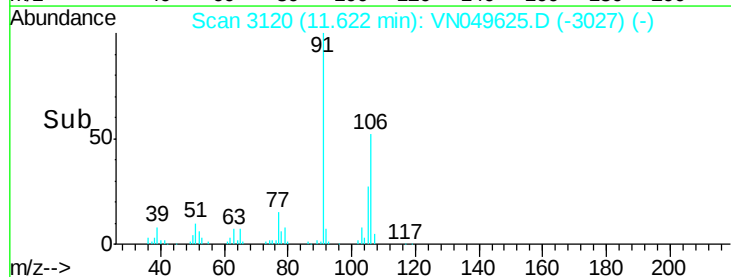
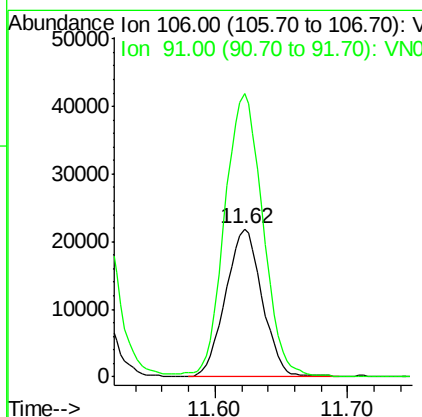
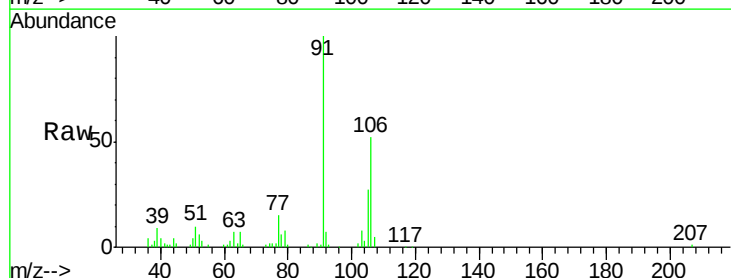
Manual Integrations
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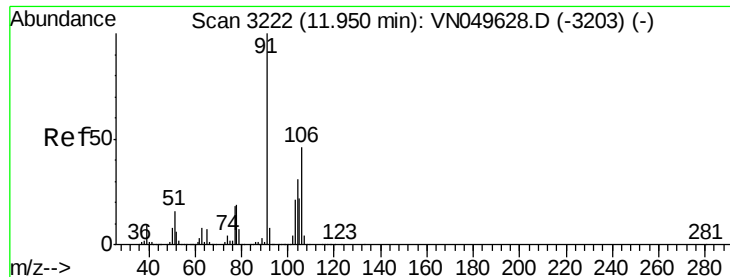
apatel
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#68
m/p-Xylenes
Concen: 1.59 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion: 106 Resp: 41901
Ion Ratio Lower Upper
106 100
91 200.3 163.4 245.2





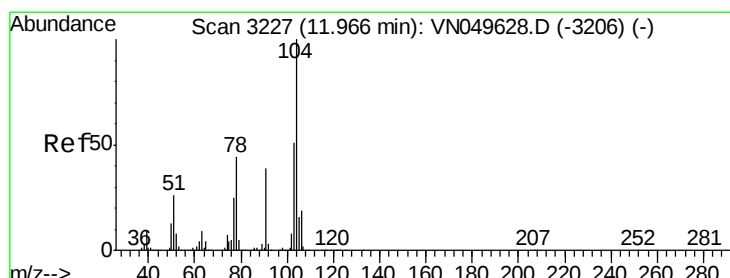
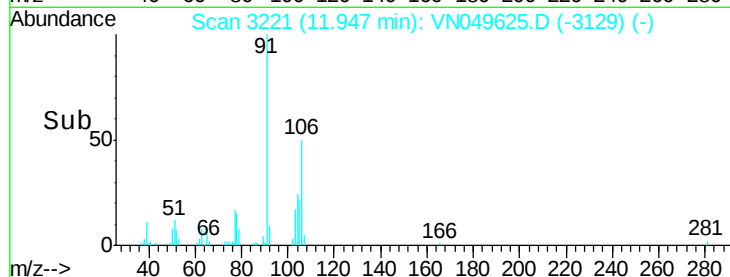
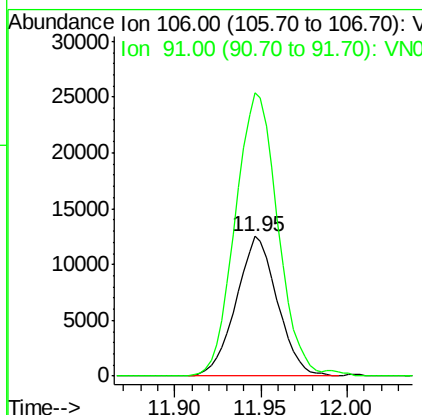
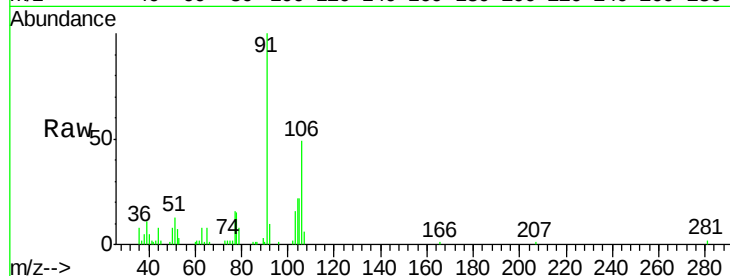
#69
o-Xylene
Concen: 0.83 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 20860
Ion Ratio Lower Upper
106 100
91 209.6 108.7 326.1

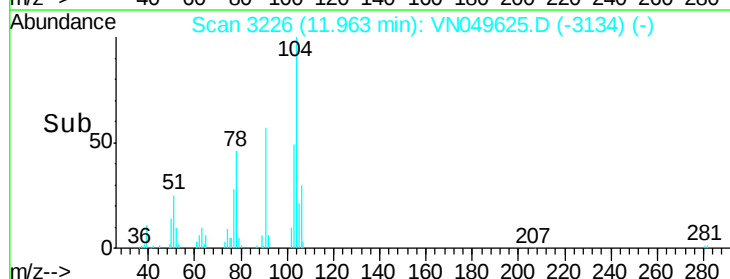
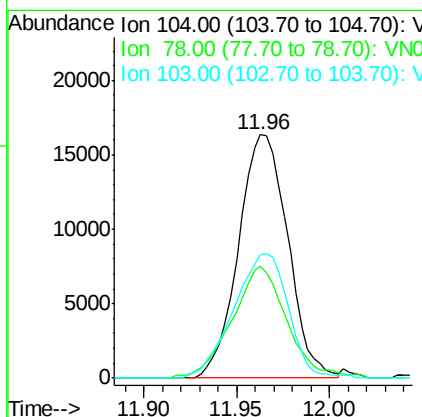
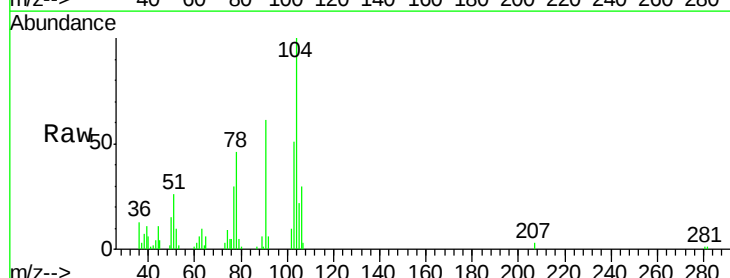
Manual Integrations
APPROVED

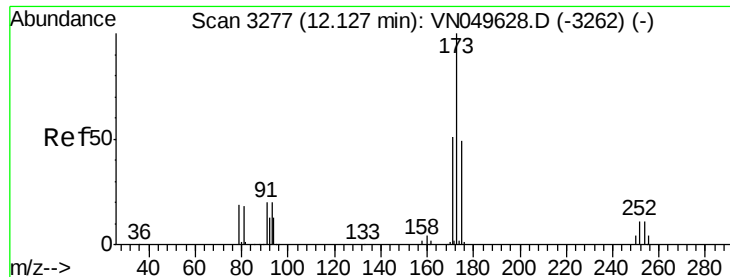
apatel
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#70
Styrene
Concen: 0.74 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion:104 Resp: 30240
Ion Ratio Lower Upper
104 100
78 51.1 39.2 58.8
103 56.8 44.6 67.0





#71

Bromoform

Concen: 0.95 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 9416

Ion Ratio Lower Upper

173 100

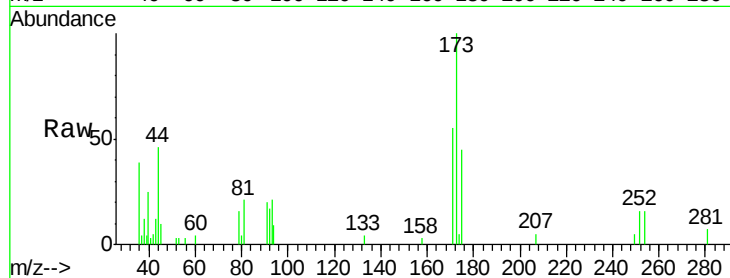
175 42.2 24.6 73.8

254 0.0 0.2 0.2#

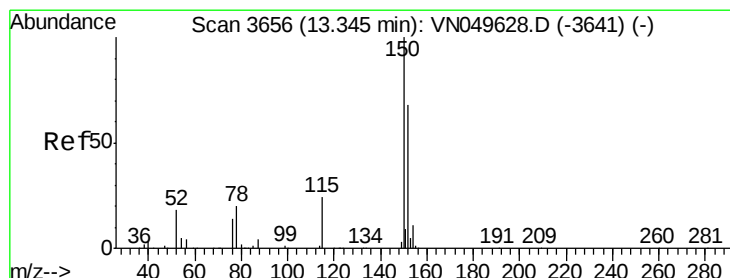
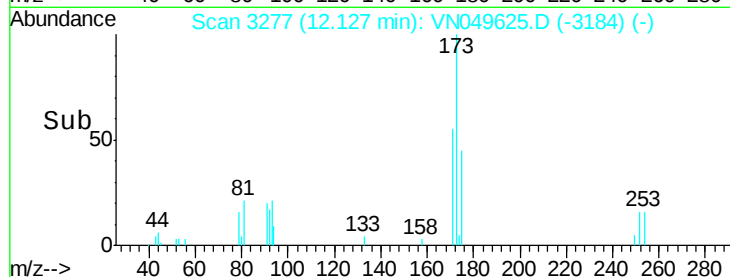
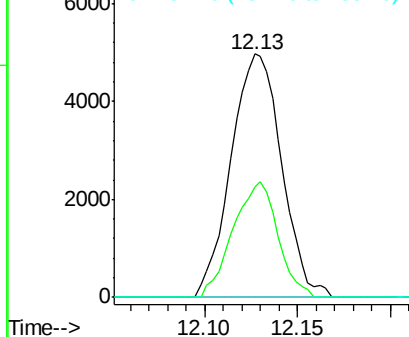
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

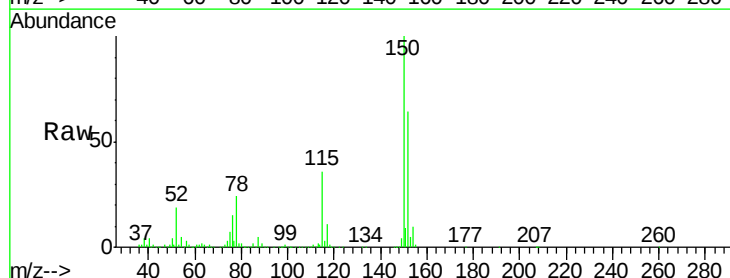
Tgt Ion:152 Resp: 646987

Ion Ratio Lower Upper

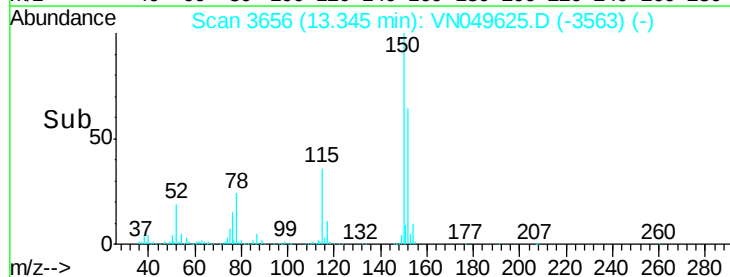
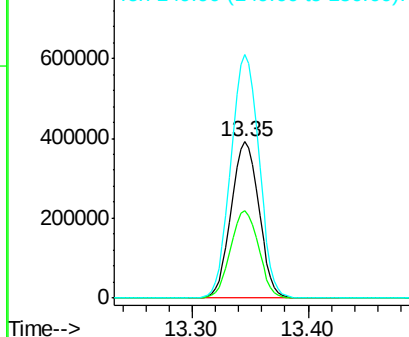
152 100

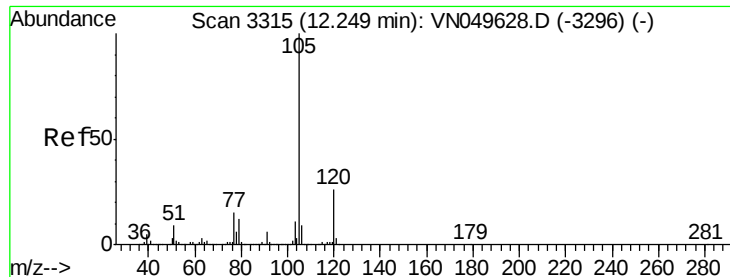
115 56.5 28.1 84.2

150 157.7 0.0 347.6



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





#73

Isopropylbenzene

Concen: 0.92 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 47205

Ion Ratio Lower Upper

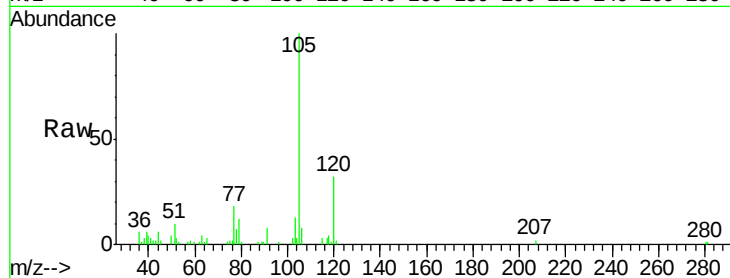
105 100

120 31.2 13.3 39.8

Manual Integrations
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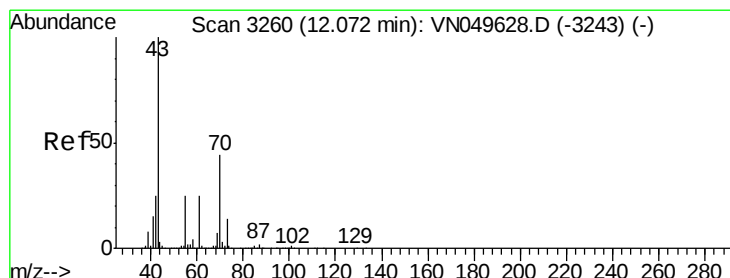
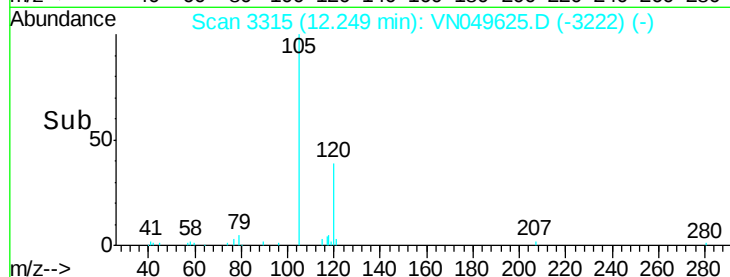
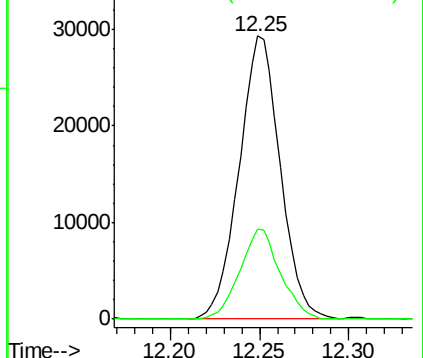
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.81 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion: 43 Resp: 11393

Ion Ratio Lower Upper

43 100

70 42.8 34.8 52.2

55 30.1 20.9 31.3

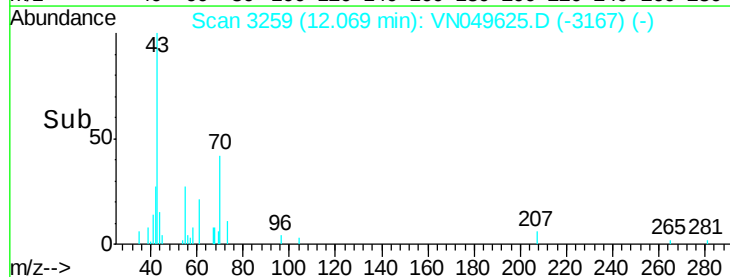
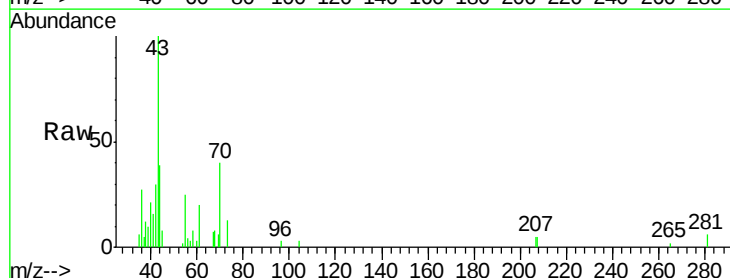
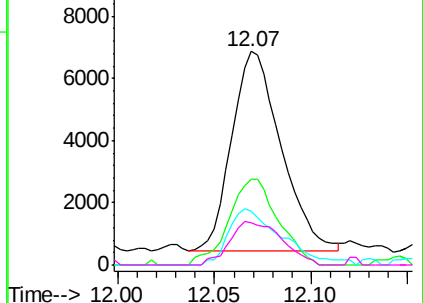
61 23.0 19.9 29.9

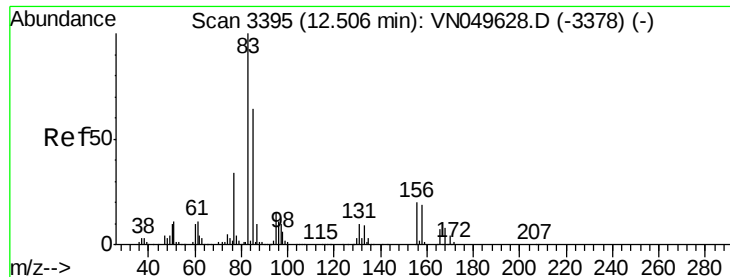
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.20 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

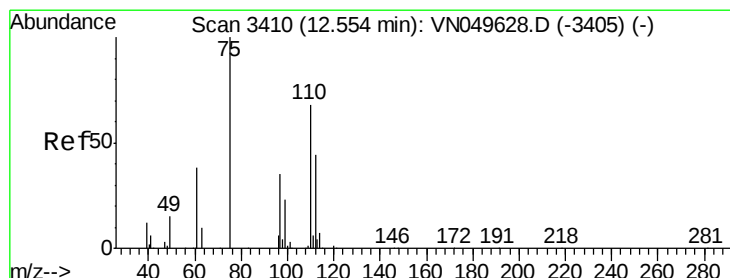
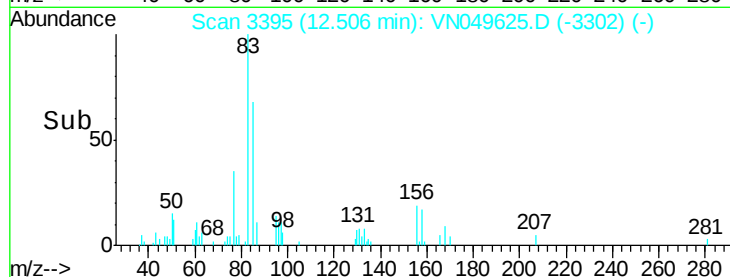
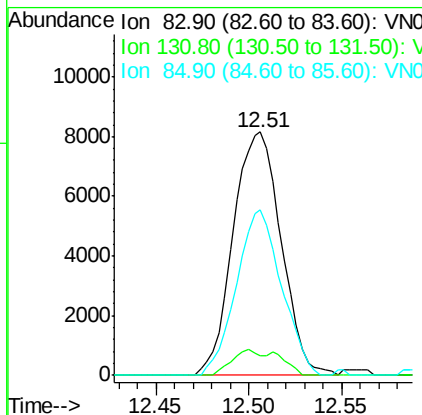
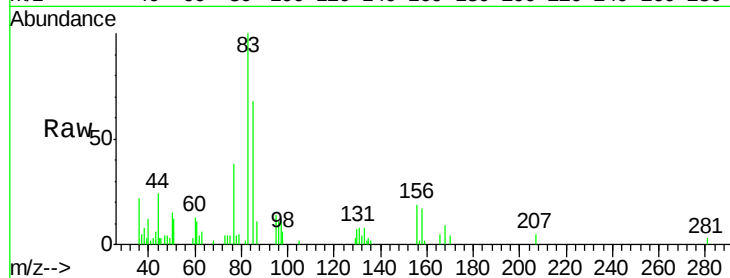
ClientSampled :

VSTDIC001

Tot Ion:	83	Resp:	14638
Ion Ratio	Lower	Upper	
83	100		
131	6.1	5.2	15.6
85	63.9	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 0.98 ug/l m

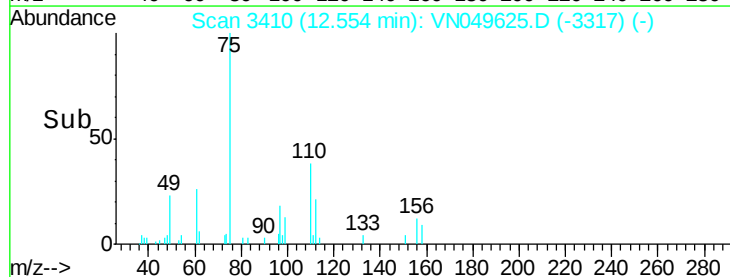
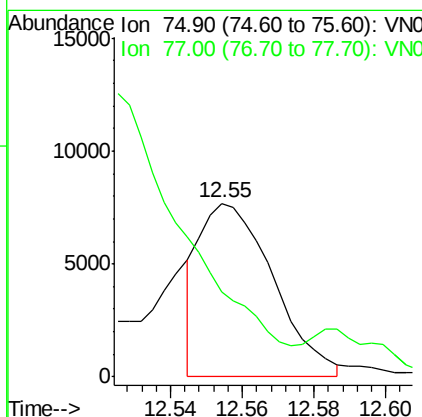
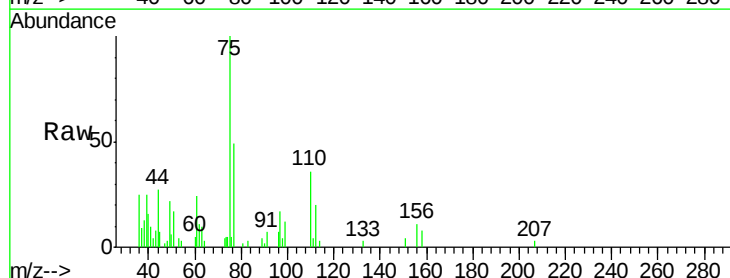
RT: 12.55 min Scan# 3410

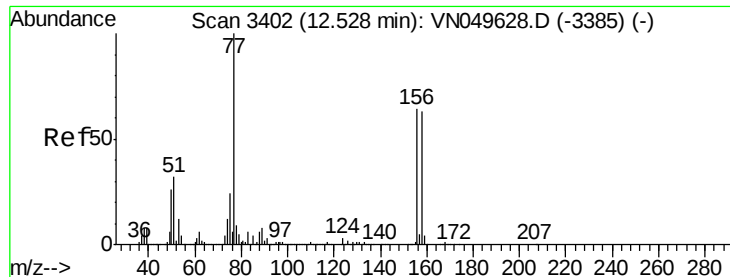
Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	75	Resp:	10963
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





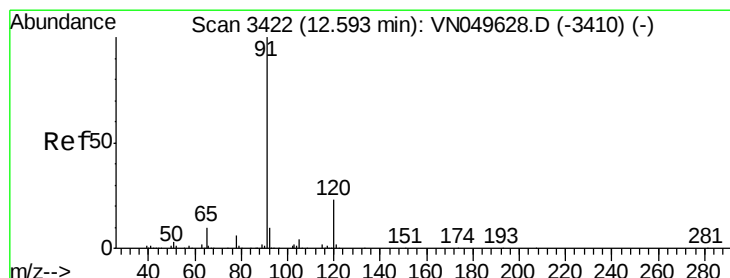
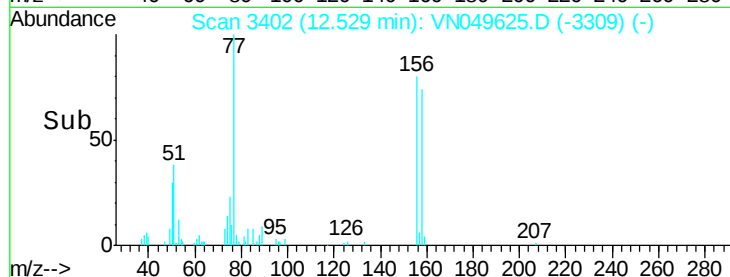
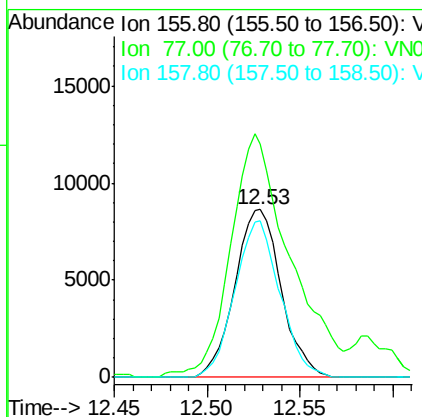
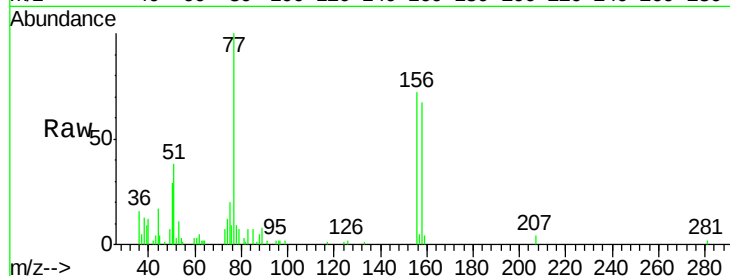
#77
Bromobenzene
Concen: 1.07 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.8	90.2	270.6
158	91.0	49.1	147.3

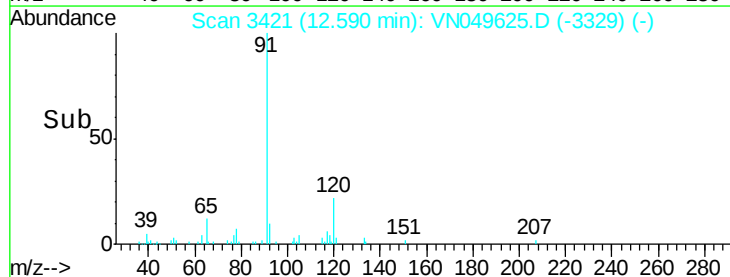
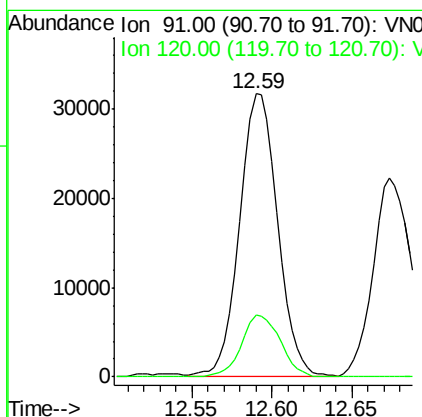
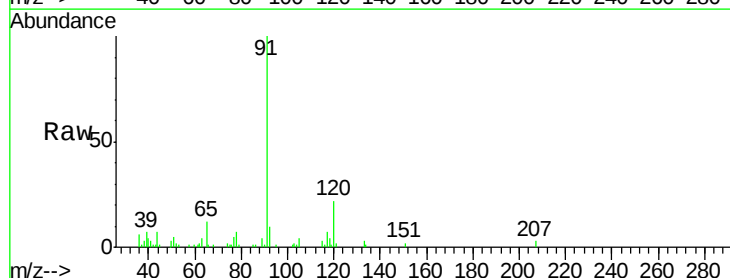
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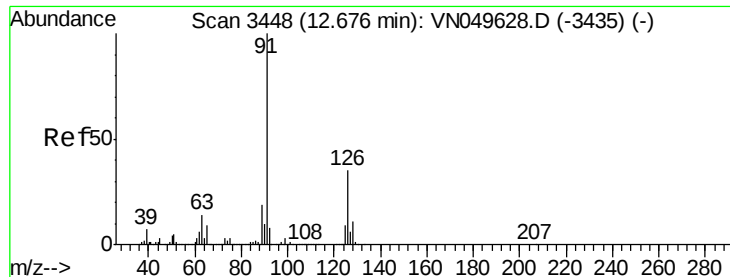
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#78
n-propylbenzene
Concen: 0.87 ug/l
RT: 12.59 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 1.00 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 37473

Ion Ratio Lower Upper

91 100

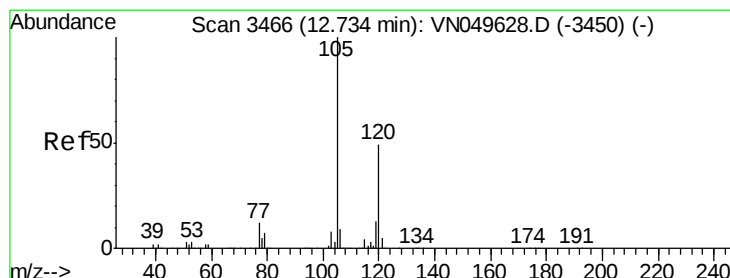
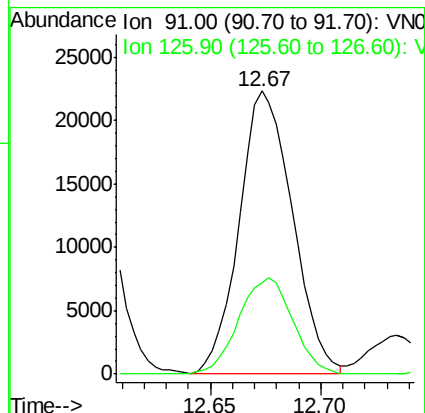
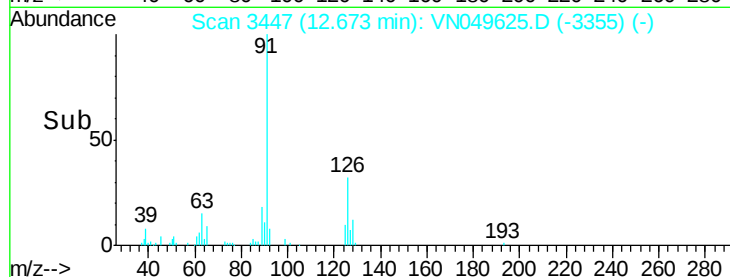
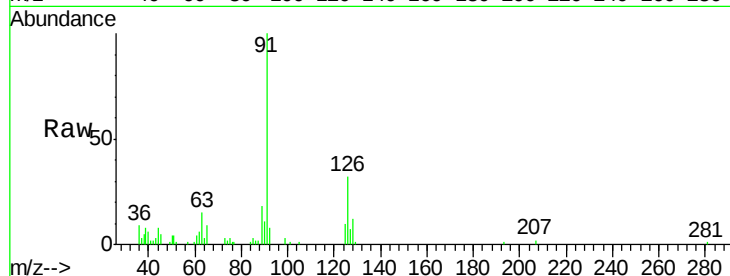
126 34.3 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 0.84 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049625.D

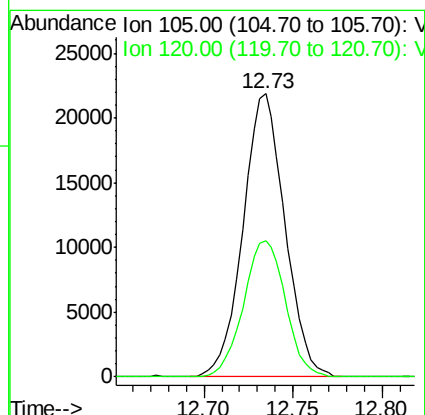
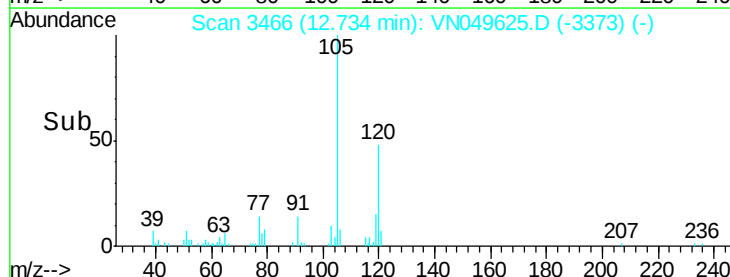
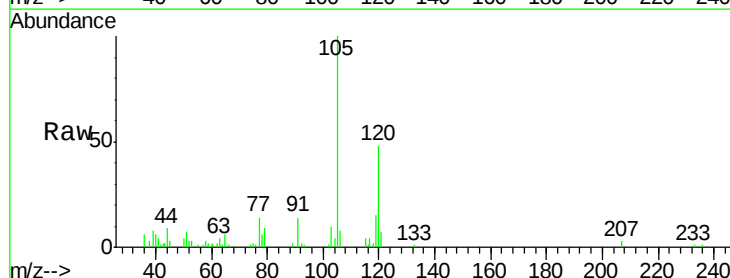
Acq: 29 Jun 2018 10:54

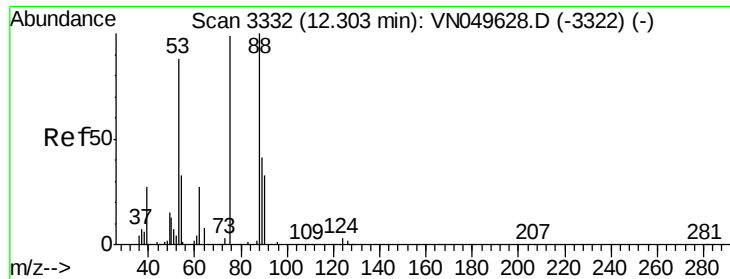
Tgt Ion: 105 Resp: 35798

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





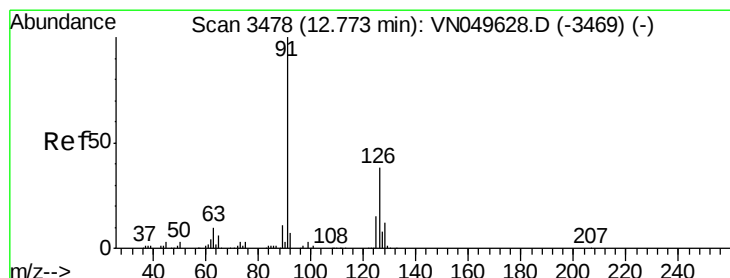
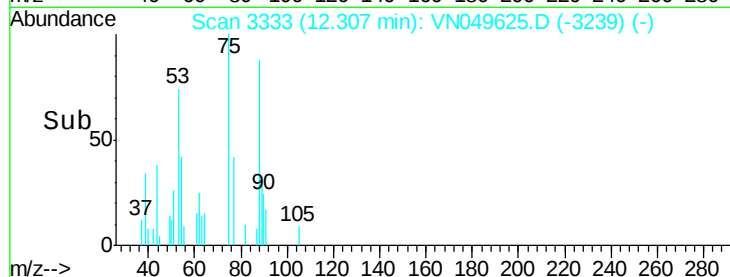
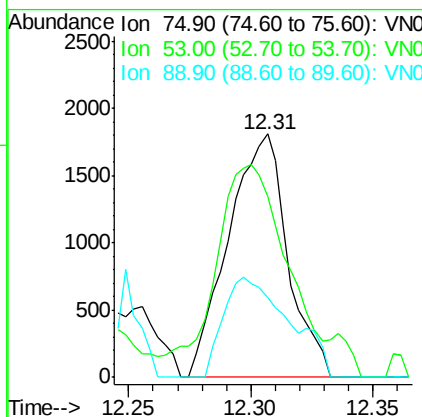
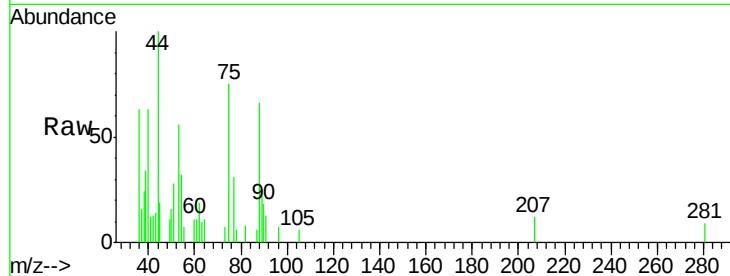
#81
trans-1,4-Dichloro-2-butene
Concen: 1.00 ug/l
RT: 12.31 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.3	73.9	110.9#
89	45.9	35.9	53.9

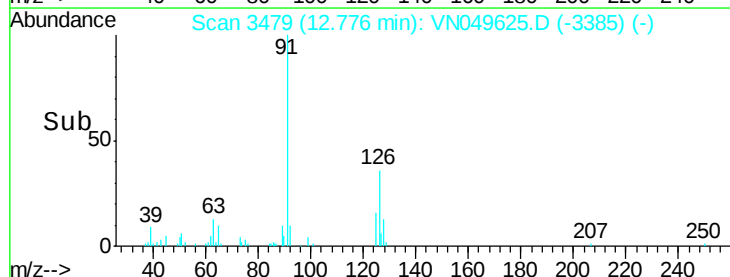
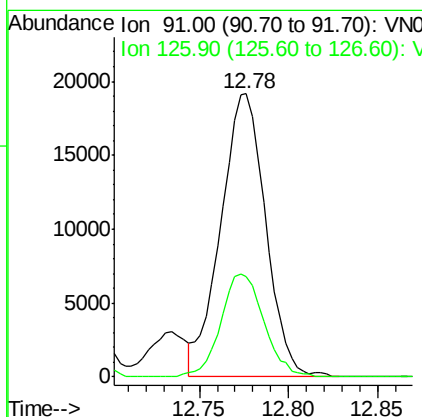
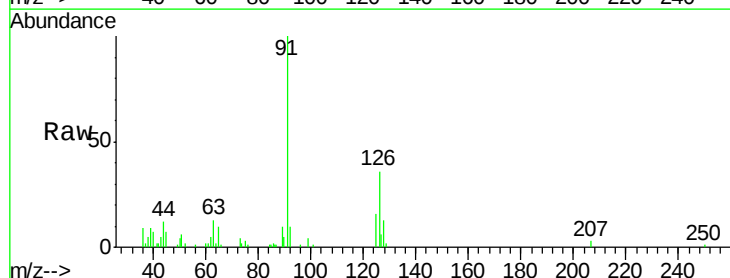
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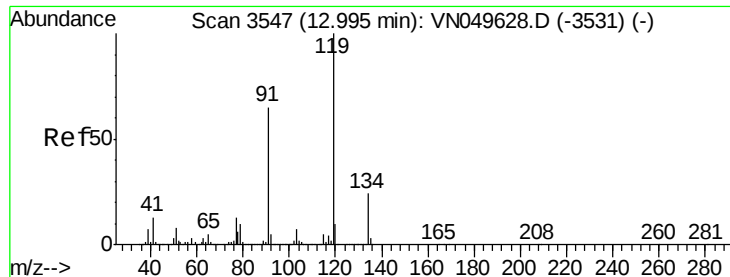
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#82
4-Chlorotoluene
Concen: 0.89 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.2	51.6





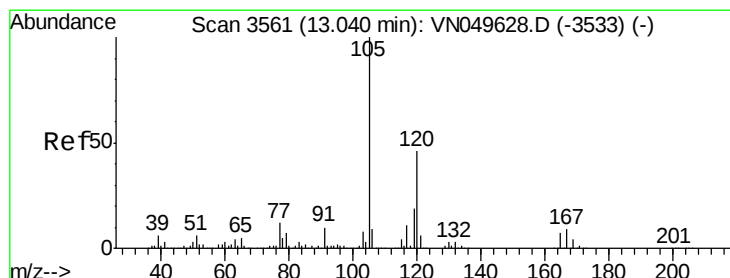
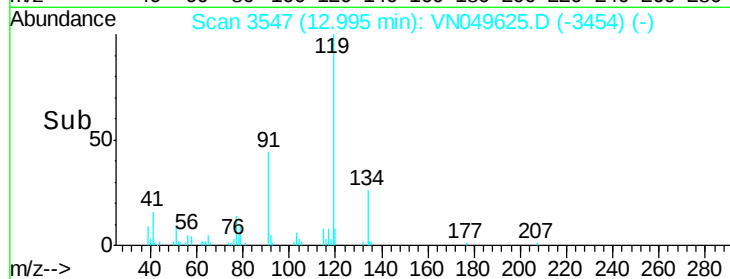
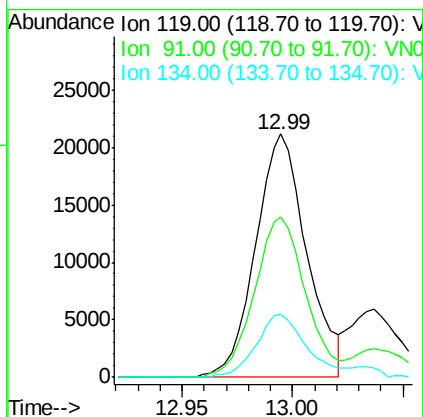
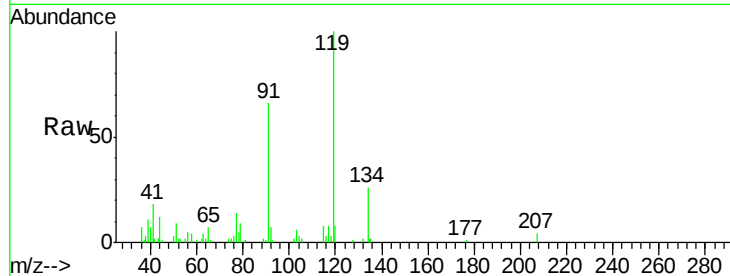
#83
tert-Butylbenzene
Concen: 0.92 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	32.0	96.2
134	26.0	12.8	38.4

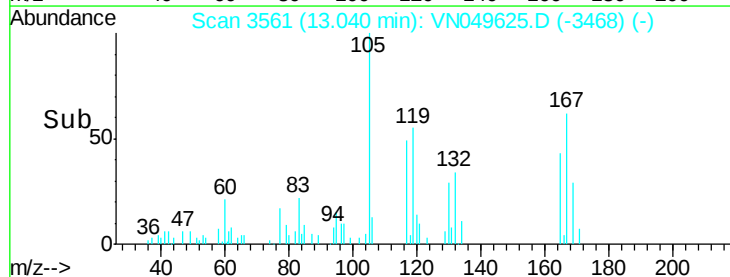
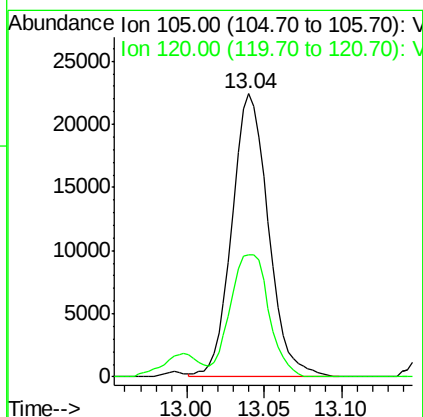
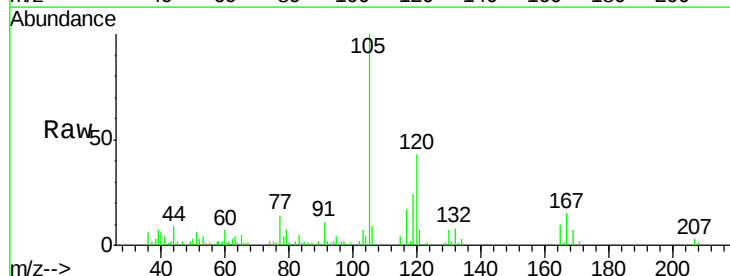
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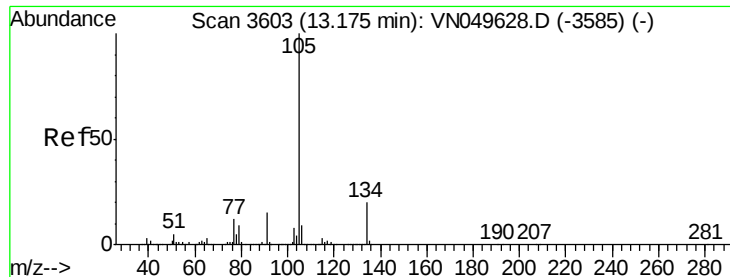
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#84
1,2,4-Trimethylbenzene
Concen: 0.83 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 0.90 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 43661

Ion Ratio Lower Upper

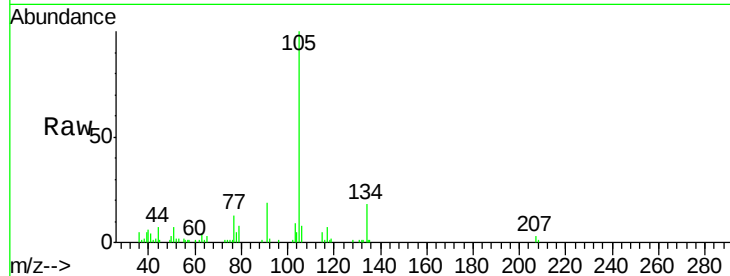
105 100

134 20.9 10.1 30.1

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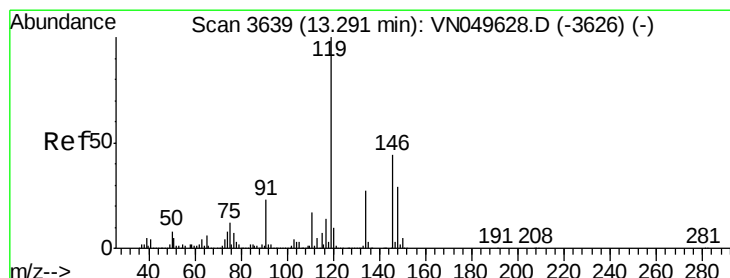
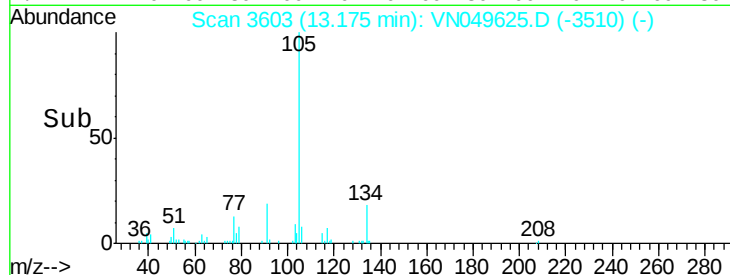
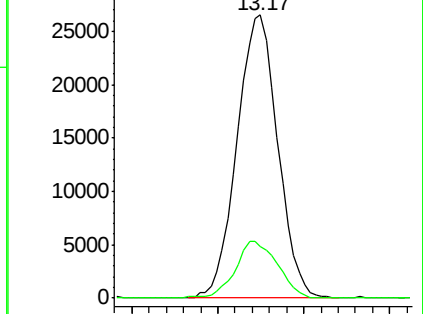
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.77 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

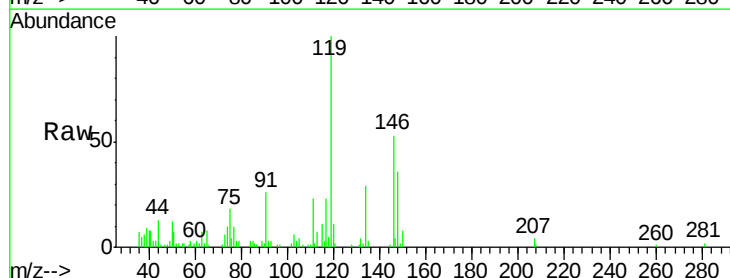
Tgt Ion:119 Resp: 32489

Ion Ratio Lower Upper

119 100

134 28.0 13.3 39.9

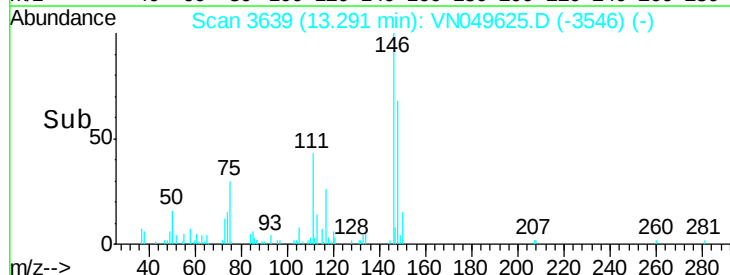
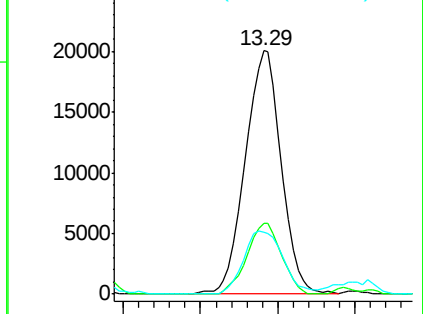
91 28.4 11.4 34.1

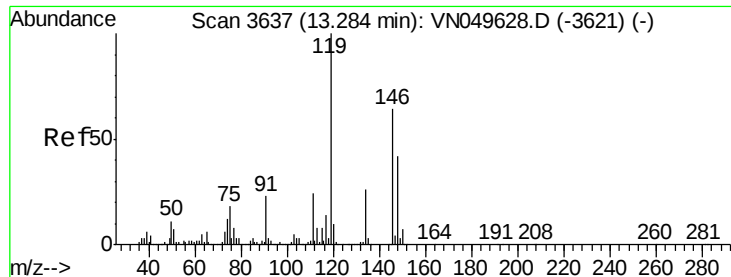


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





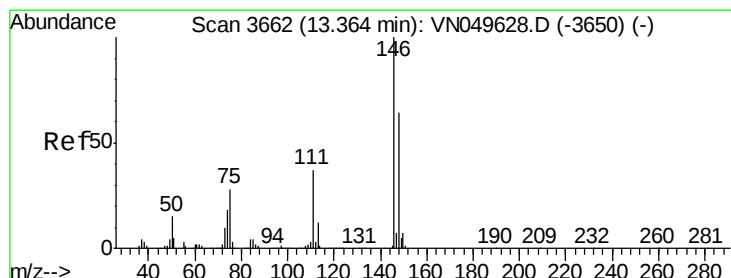
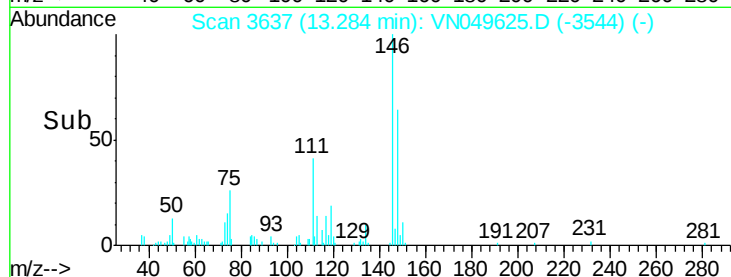
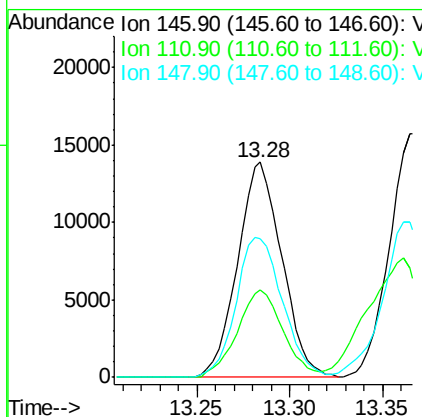
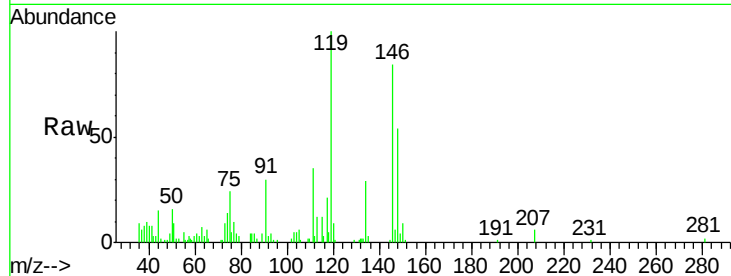
#87
 1,3-Dichlorobenzene
 Concen: 0.89 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.0	57.0
148	68.4	32.5	97.5

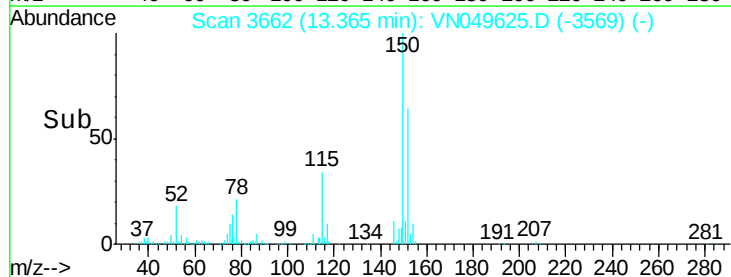
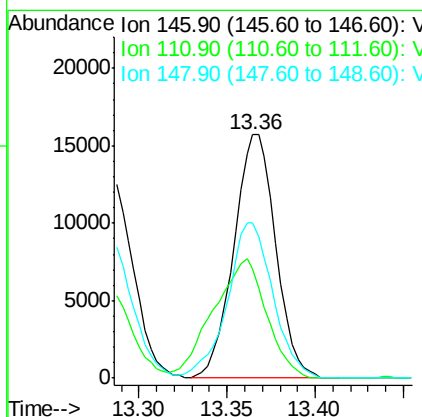
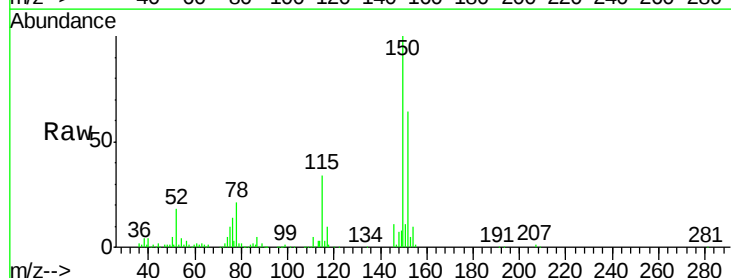
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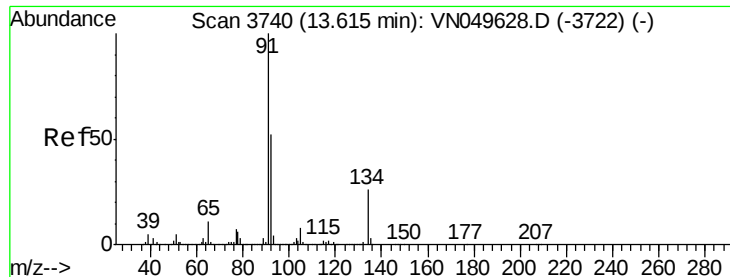
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#88
 1,4-Dichlorobenzene
 Concen: 1.00 ug/l m
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	60.6	32.1	96.3





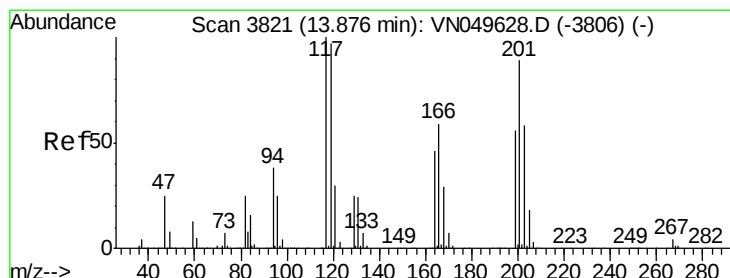
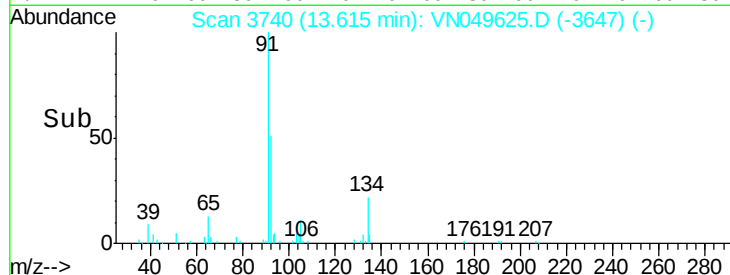
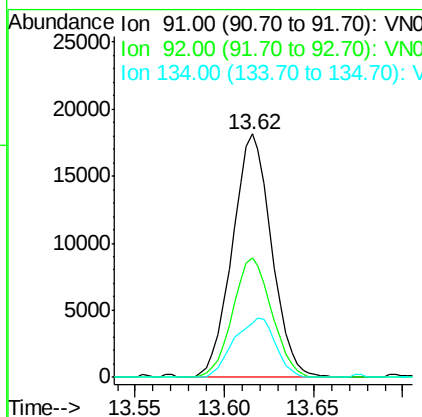
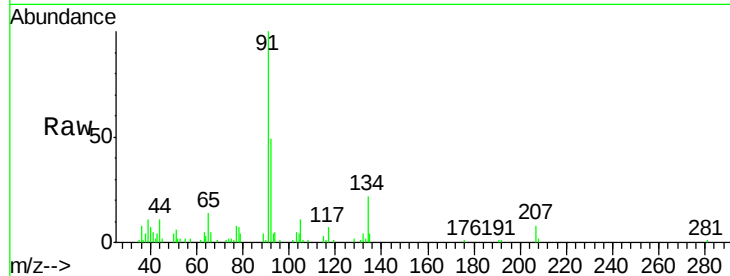
#89
n-Butylbenzene
Concen: 0.77 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.8	25.8	77.3
134	25.7	13.0	38.9

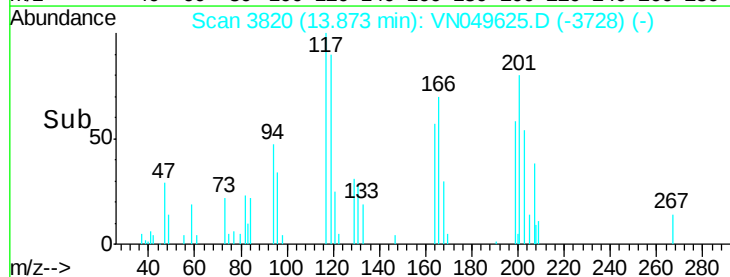
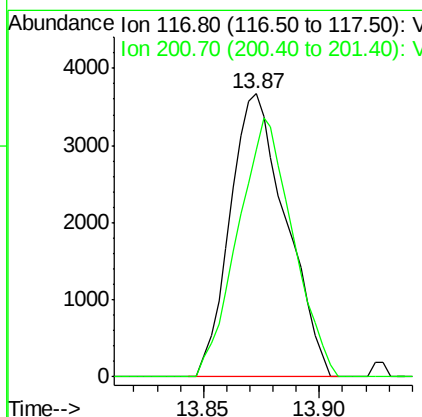
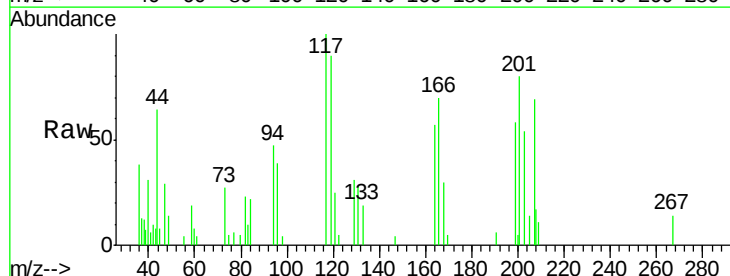
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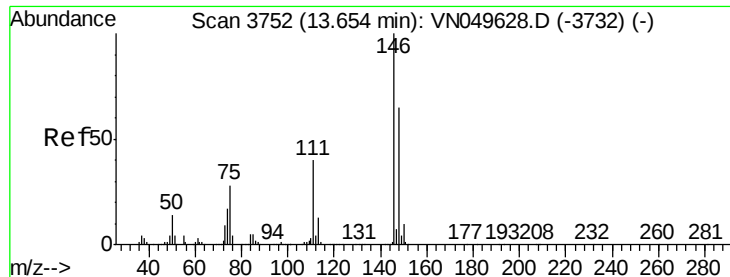
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#90
Hexachloroethane
Concen: 1.39 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN049625.D
Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 0.92 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

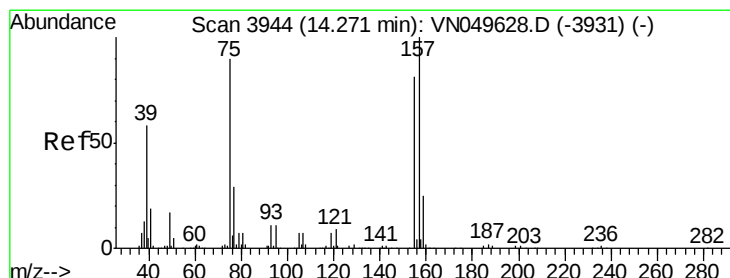
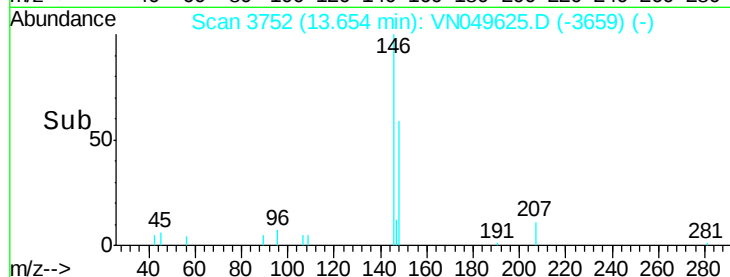
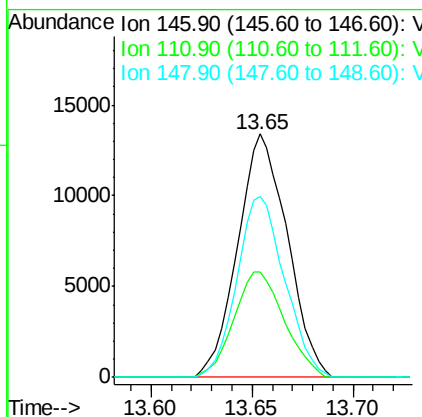
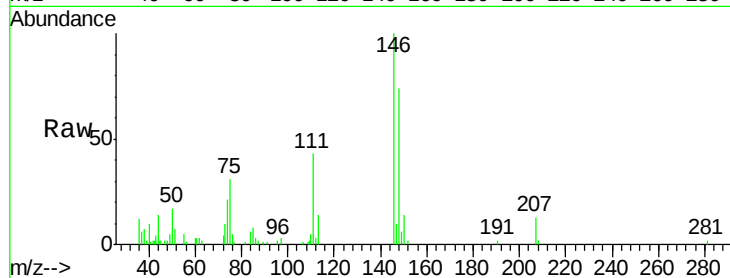
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	23081
Ion	Ratio	Lower	Upper
146	100		
111	43.8	19.7	59.1
148	71.5	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 1.20 ug/l

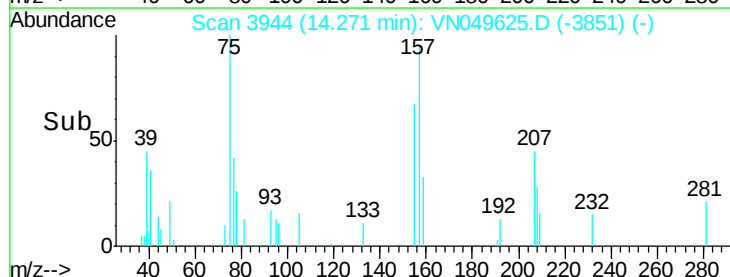
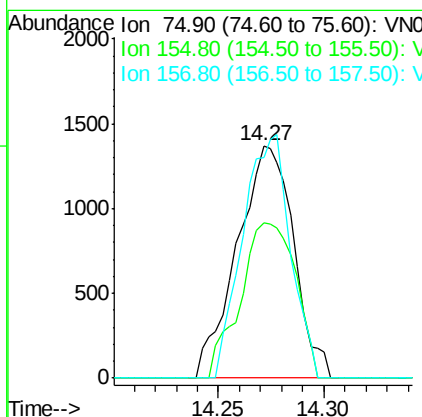
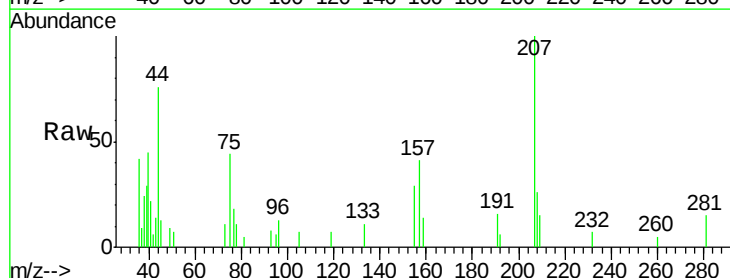
RT: 14.27 min Scan# 3944

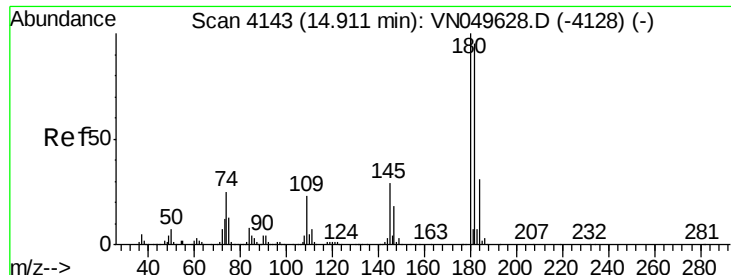
Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	75	Resp:	2553
Ion	Ratio	Lower	Upper
75	100		
155	65.4	45.7	137.1
157	88.2	56.9	170.7





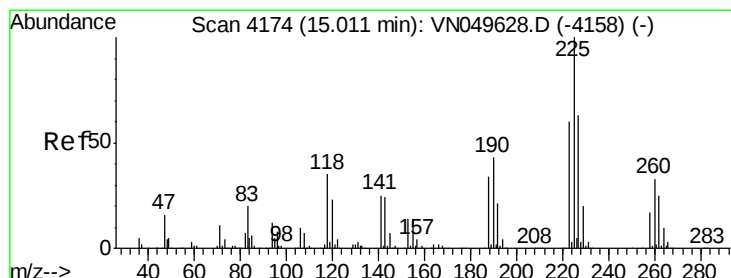
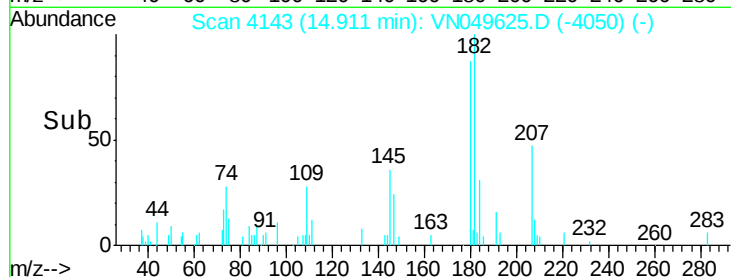
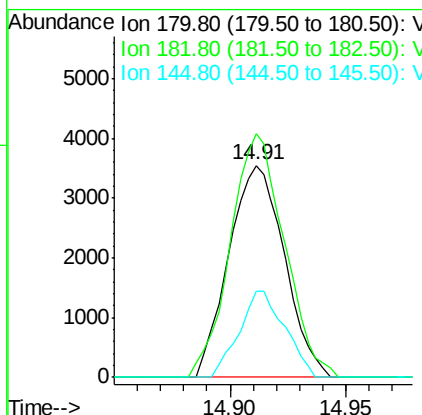
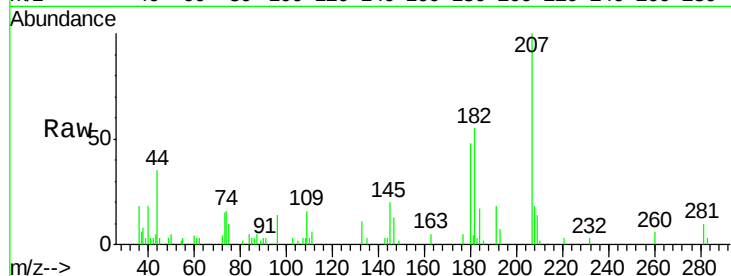
#93
 1,2,4-Trichlorobenzene
 Concen: 0.51 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	111.3	47.3	141.9
145	33.4	14.4	43.0

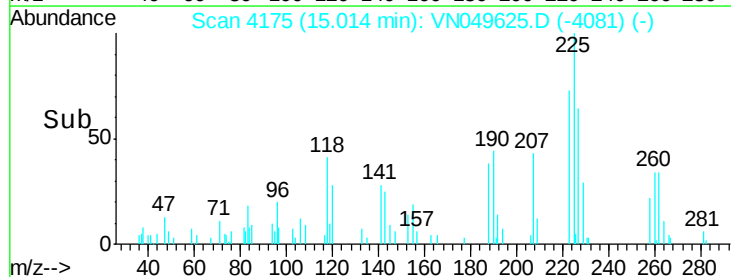
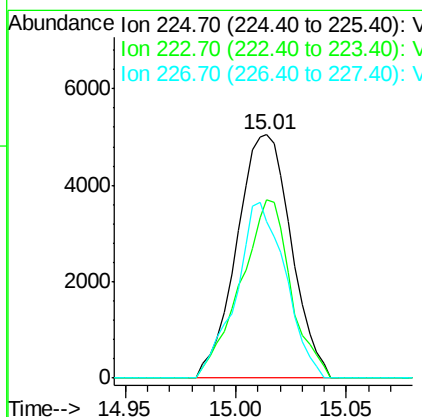
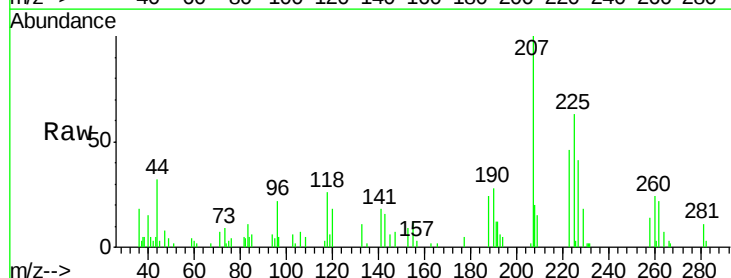
Manual Integrations
 APPROVED

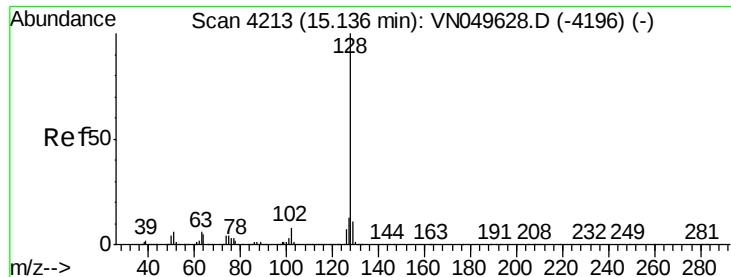
apatel
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#94
 Hexachlorobutadiene
 Concen: 1.08 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049625.D
 Acq: 29 Jun 2018 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	30.9	92.7
227	65.5	31.8	95.4





#95

Naphthalene

Concen: 0.51 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Instrument :

MSVOA_N

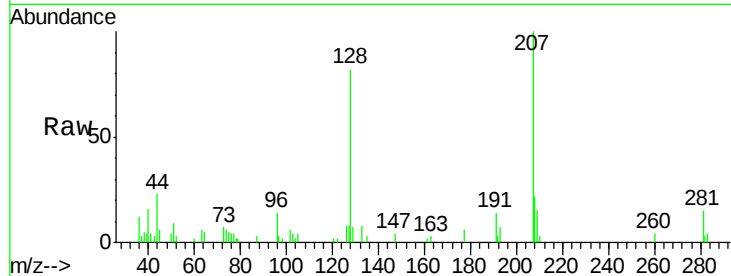
ClientSampleId :

VSTDIC001

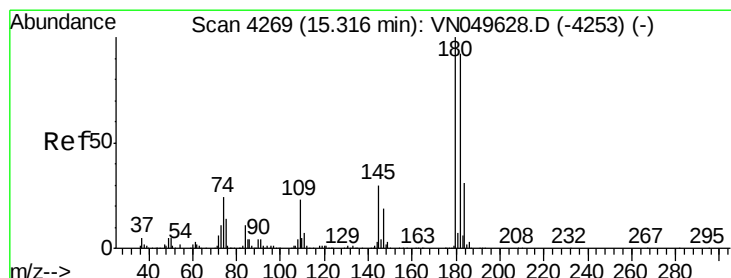
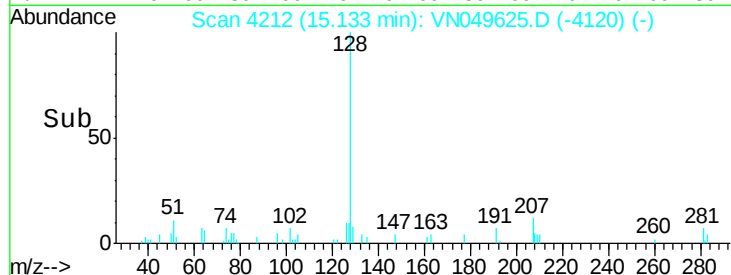
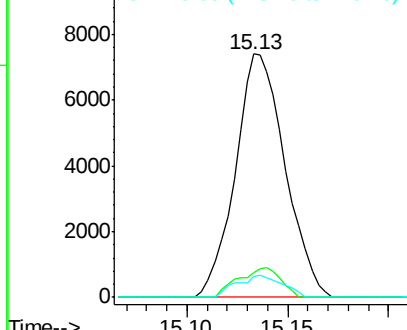
Tot Ion:	128	Resp:	12718
Ion Ratio	Lower	Upper	
128	100		
127	10.4	10.4	15.6#
129	8.4	8.6	13.0#

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.64 ug/l

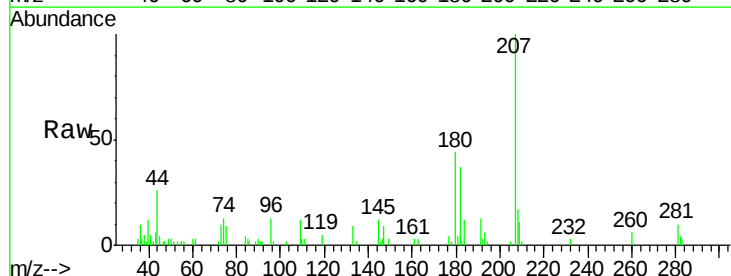
RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049625.D

Acq: 29 Jun 2018 10:54

Tgt Ion:	180	Resp:	7631
Ion Ratio	Lower	Upper	
180	100		
182	87.3	47.4	142.2
145	26.3	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

