

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051265.D
 Acq On : 17 Sep 2018 10:46
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:48 PM

Quant Time: Sep 18 05:38:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	550814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	801440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	695671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	31262	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
35) Dibromofluoromethane	7.59	113	30770	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
50) Toluene-d8	10.09	98	102040	4.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.88%	
62) 4-Bromofluorobenzene	12.40	95	28895	3.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	24133	4.46	ug/l	99
3) Chloromethane	2.06	50	35011	4.60	ug/l	98
4) Vinyl Chloride	2.18	62	33584	4.58	ug/l	97
5) Bromomethane	2.56	94	21235	4.32	ug/l	95
6) Chloroethane	2.70	64	20331	4.50	ug/l	95
7) Trichlorofluoromethane	3.01	101	46138	4.72	ug/l	100
8) Diethyl Ether	3.41	74	14726	4.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	29723	4.74	ug/l	100
10) Methyl Iodide	3.96	142	18851	3.46	ug/l	98
11) Tert butyl alcohol	4.79	59	7712m	16.96	ug/l	
12) 1,1-Dichloroethene	3.73	96	25609	4.36	ug/l	98
13) Acrolein	3.61	56	7949	14.92	ug/l	99
14) Allyl chloride	4.33	41	36162	4.05	ug/l	99
15) Acrylonitrile	5.00	53	39685	19.34	ug/l	98
16) Acetone	3.82	43	45031	26.62	ug/l	98
17) Carbon Disulfide	4.05	76	79372	4.09	ug/l	99
18) Methyl Acetate	4.33	43	22033	4.52	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	56903	3.70	ug/l	97
20) Methylene Chloride	4.55	84	31486	4.64	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	26917	4.21	ug/l	89
22) Diisopropyl ether	5.96	45	70317	3.98	ug/l	98
23) Vinyl Acetate	5.90	43	214612	18.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	51709	4.58	ug/l	100
25) 2-Butanone	6.84	43	48912	20.74	ug/l	98
26) 2,2-Dichloropropane	6.82	77	40932	4.43	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	29063	4.16	ug/l	96
28) Bromochloromethane	7.20	49	23181	4.69	ug/l	99
29) Tetrahydrofuran	7.22	42	25543	17.32	ug/l	98
30) Chloroform	7.37	83	53058	4.73	ug/l	99
31) Cyclohexane	7.66	56	44564	3.91	ug/l #	71
32) 1,1,1-Trichloroethane	7.57	97	43209	4.50	ug/l	97
36) 1,1-Dichloropropene	7.79	75	36301	4.09	ug/l	99
37) Ethyl Acetate	6.94	43	18913	3.75	ug/l #	79
38) Carbon Tetrachloride	7.78	117	41719	4.73	ug/l	96

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 ALS Vial : 3 Sample Multiplier: 1

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 MSVOA_N
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 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	37023	3.79	ug/l	94
40) Benzene	8.04	78	118129	4.42	ug/l	99
41) Methacrylonitrile	7.17	41	10308	3.88	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	34772	4.46	ug/l	99
43) Isopropyl Acetate	8.17	43	36582	4.12	ug/l	95
44) Trichloroethene	8.84	130	31630	4.32	ug/l	96
45) 1,2-Dichloropropane	9.12	63	30229	4.39	ug/l	100
46) Dibromomethane	9.21	93	17889	4.25	ug/l	98
47) Bromodichloromethane	9.40	83	40387	4.70	ug/l	98
48) Methyl methacrylate	9.20	41	14878	3.43	ug/l	96
49) 1,4-Dioxane	9.20	88	4266	63.13	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	85784	17.49	ug/l	97
52) Toluene	10.16	92	65517	4.03	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	33129	3.88	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	39075	3.89	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	25976	4.41	ug/l	97
56) Ethyl methacrylate	10.43	69	22442	3.22	ug/l	95
57) 1,3-Dichloropropane	10.71	76	39611	4.06	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	37164	12.84	ug/l	95
59) 2-Hexanone	10.75	43	58849	17.78	ug/l	96
60) Dibromochloromethane	10.90	129	28941	4.32	ug/l	97
61) 1,2-Dibromoethane	11.00	107	24016	4.16	ug/l	99
64) Tetrachloroethene	10.63	164	29561	4.58	ug/l	96
65) Chlorobenzene	11.43	112	77560	4.39	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	30466	4.76	ug/l	97
67) Ethyl Benzene	11.51	91	113634	3.97	ug/l	97
68) m/p-Xylenes	11.62	106	83550	7.59	ug/l	96
69) o-Xylene	11.95	106	40821	3.83	ug/l	99
70) Styrene	11.96	104	59209	3.59	ug/l	98
71) Bromoform	12.13	173	19390	4.33	ug/l #	98
73) Isopropylbenzene	12.25	105	104738	4.68	ug/l	100
74) N-amyl acetate	12.07	43	19500	3.55	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	29841	5.04	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	21486m	4.52	ug/l	
77) Bromobenzene	12.53	156	29340	4.87	ug/l	99
78) n-propylbenzene	12.59	91	107606	4.37	ug/l	99
79) 2-Chlorotoluene	12.67	91	72321	4.70	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	81301	4.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5608	4.06	ug/l	93
82) 4-Chlorotoluene	12.77	91	65150	4.28	ug/l	99
83) tert-Butylbenzene	12.99	119	74993	4.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	76957	4.32	ug/l	99
85) sec-Butylbenzene	13.17	105	92343	4.50	ug/l	100
86) p-Isopropyltoluene	13.29	119	72168	4.15	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	42846	4.20	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	41886	4.17	ug/l	94
89) n-Butylbenzene	13.62	91	45724	3.40	ug/l	97
90) Hexachloroethane	13.87	117	17773	4.97	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	42017	4.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3515	4.11	ug/l	89

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

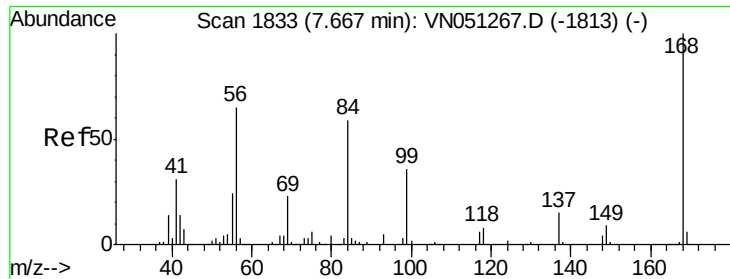
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 18 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9901	2.36	ug/l	96
94) Hexachlorobutadiene	15.01	225	16826	4.79	ug/l	99
95) Naphthalene	15.13	128	18116	2.06	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	10690	2.45	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 550814

Ion Ratio Lower Upper

168 100

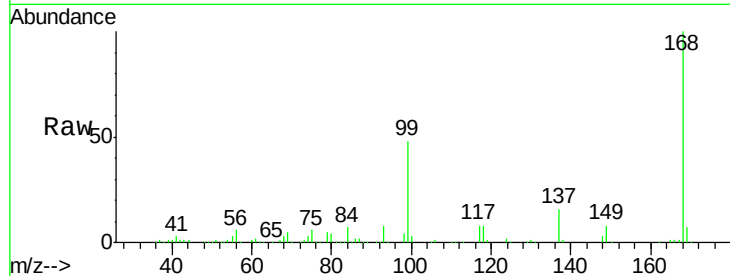
99 47.5 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

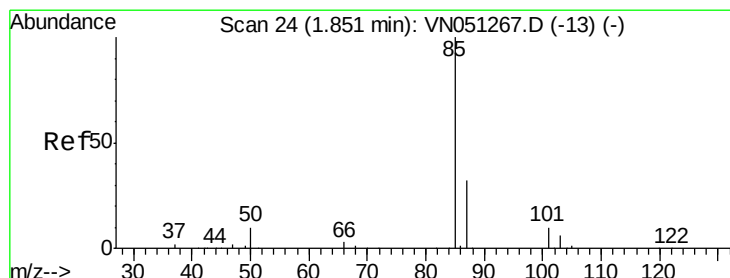
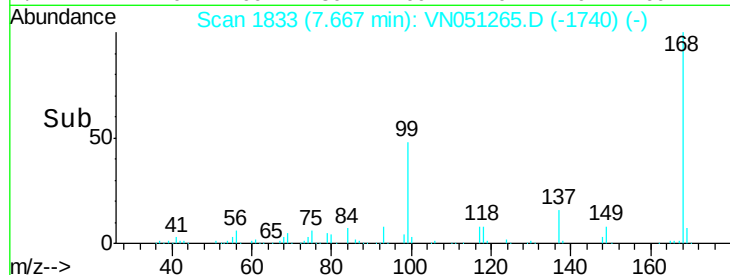
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.46 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051265.D

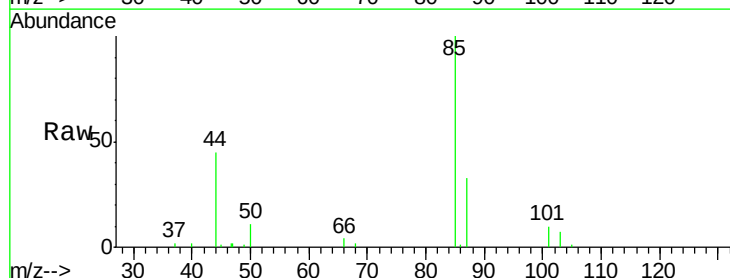
Acq: 17 Sep 2018 10:46

Tgt Ion: 85 Resp: 24133

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

20000

15000

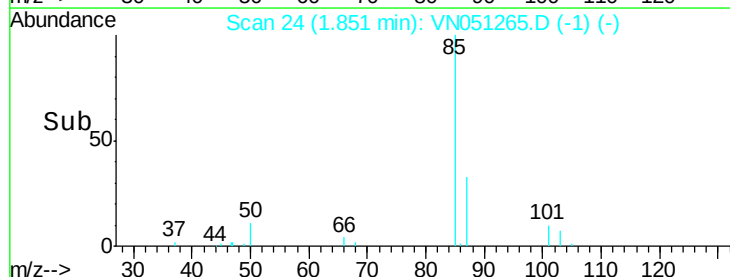
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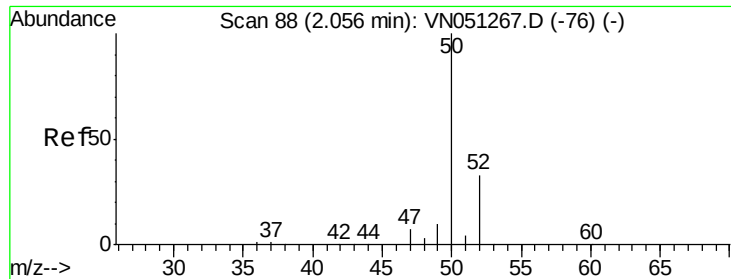
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.60 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 35011

Ion Ratio Lower Upper

50 100

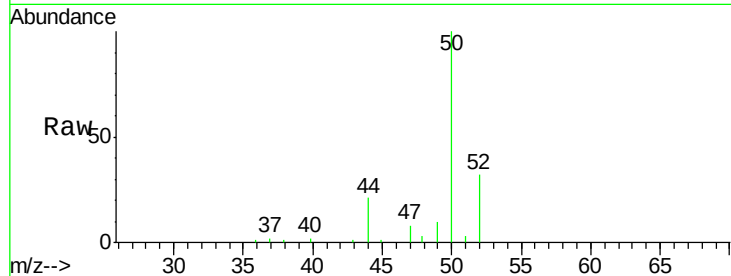
52 32.1 26.6 40.0

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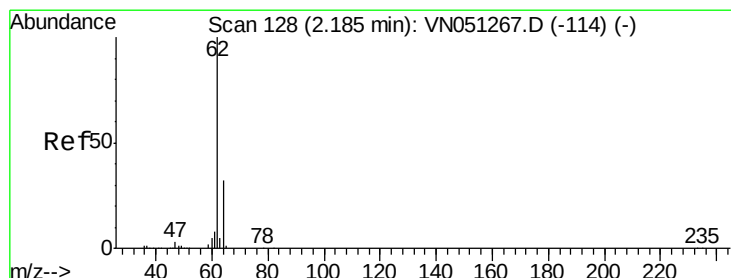
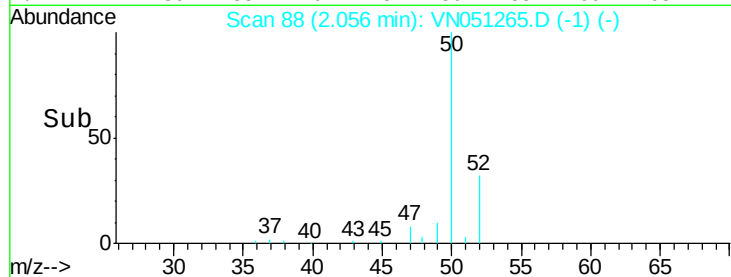
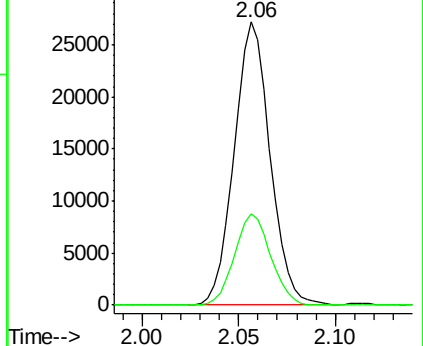
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.58 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051265.D

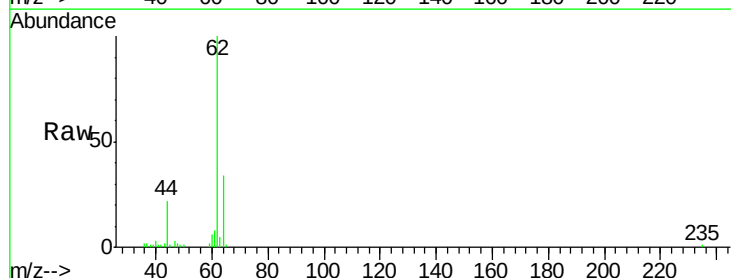
Acq: 17 Sep 2018 10:46

Tgt Ion: 62 Resp: 33584

Ion Ratio Lower Upper

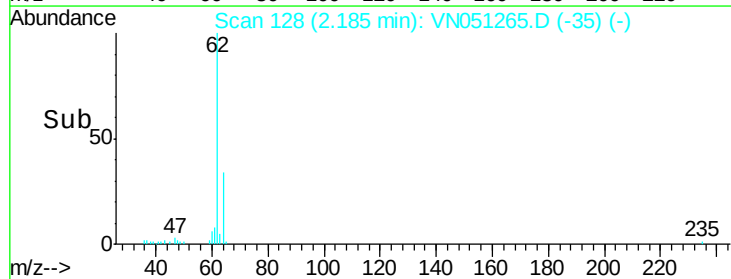
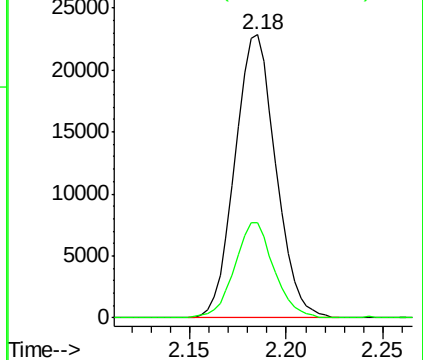
62 100

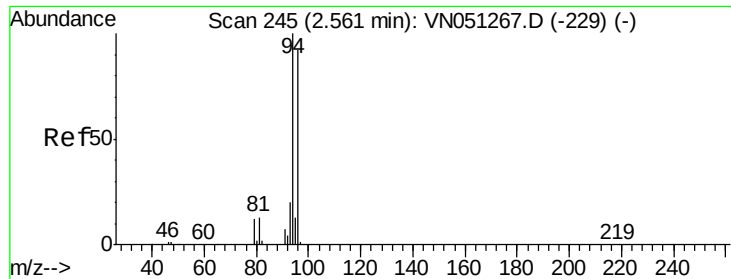
64 33.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 4.32 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 21235

Ion Ratio Lower Upper

94 100

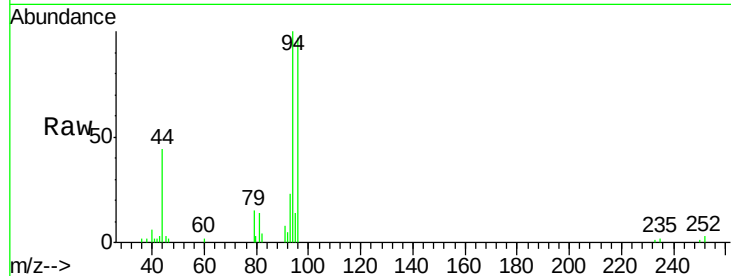
96 97.2 73.8 110.8

Manual Integrations

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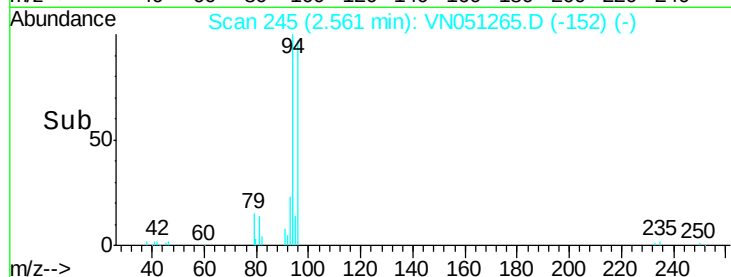


Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051267.D (-229) (-)

2.56

Time-->

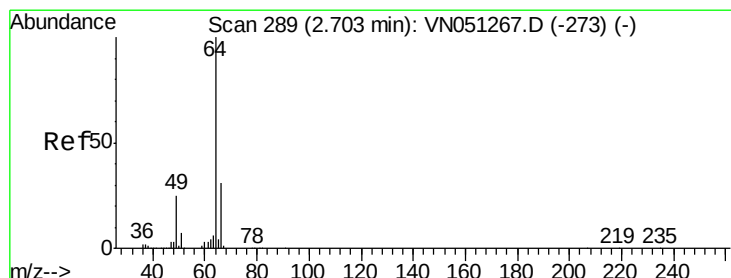


Abundance Ion 93.90 (93.60 to 94.60): VN051265.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051265.D (-152) (-)

2.56

Time-->



#6

Chloroethane

Concen: 4.50 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051265.D

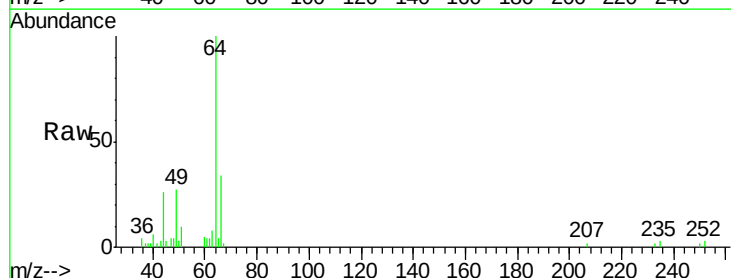
Acq: 17 Sep 2018 10:46

Tgt Ion: 64 Resp: 20331

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3

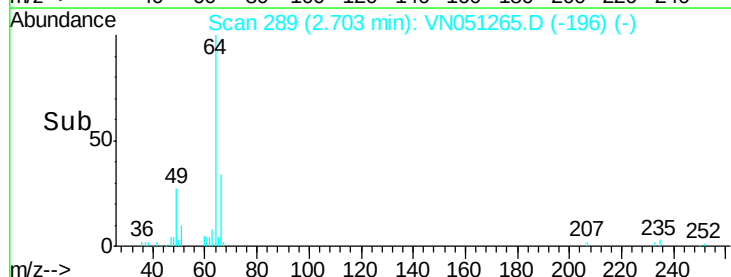


Abundance Ion 63.90 (63.60 to 64.60): VN051267.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051267.D (-273) (-)

2.70

Time-->

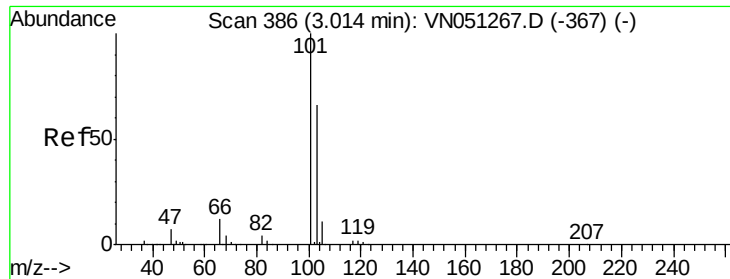


Abundance Ion 63.90 (63.60 to 64.60): VN051265.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN051265.D (-196) (-)

2.70

Time-->



#7

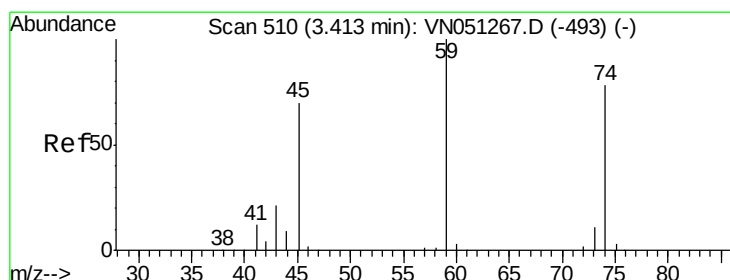
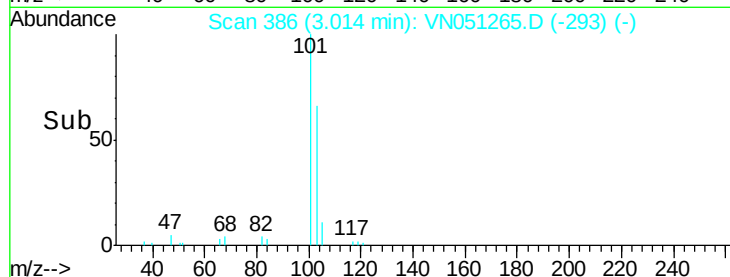
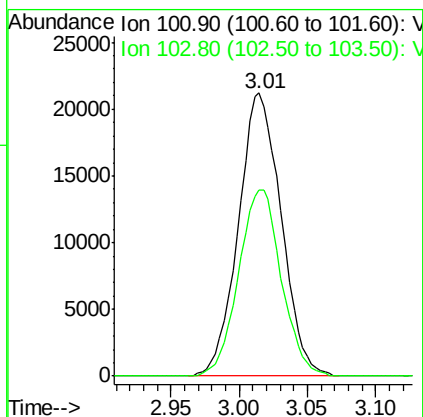
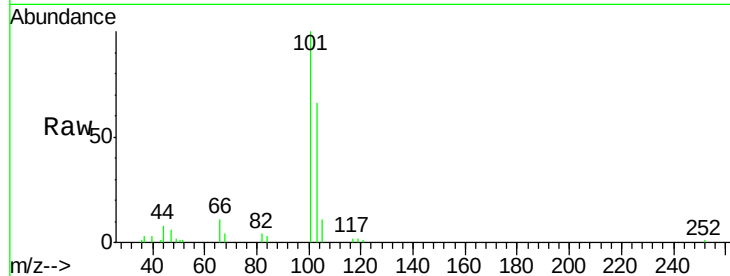
Trichlorofluoromethane
Concen: 4.72 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 46138
Ion Ratio Lower Upper
101 100
103 65.7 52.7 79.1

Manual Integrations
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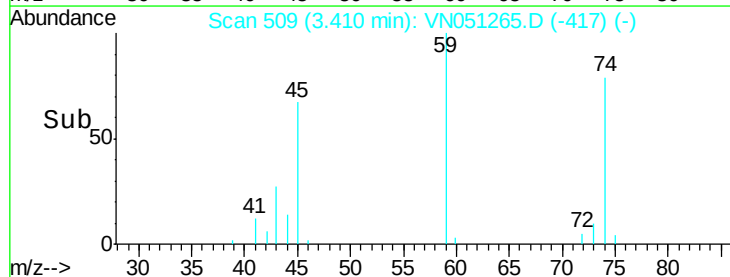
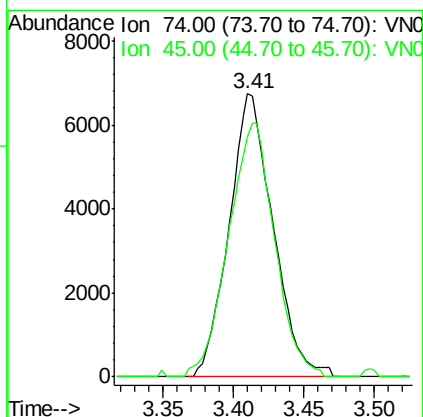
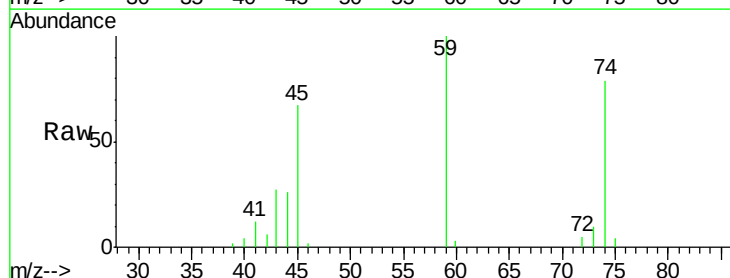
MMDadoda
9/19/2018 4:57:48 PM

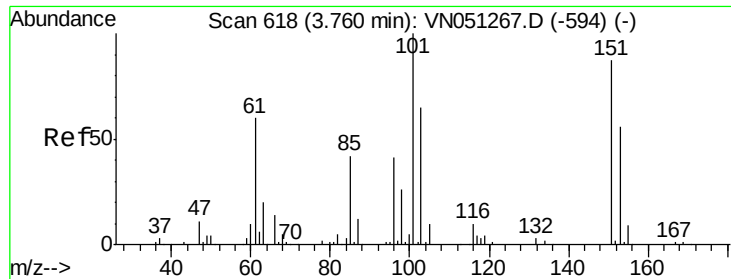


#8

Diethyl Ether
Concen: 4.17 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion: 74 Resp: 14726
Ion Ratio Lower Upper
74 100
45 94.2 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.74 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

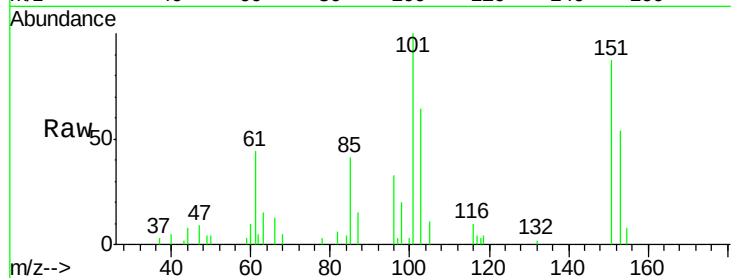
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	29723
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.0	49.6
151	87.1	69.8	104.8

Manual Integrations
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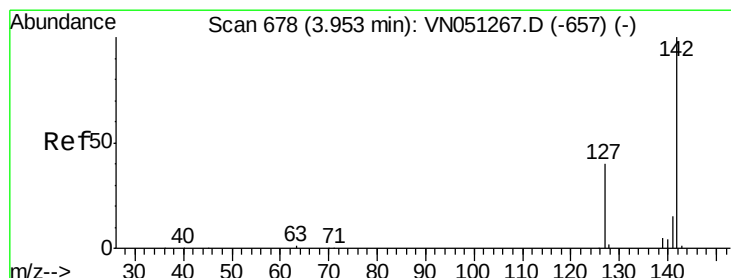
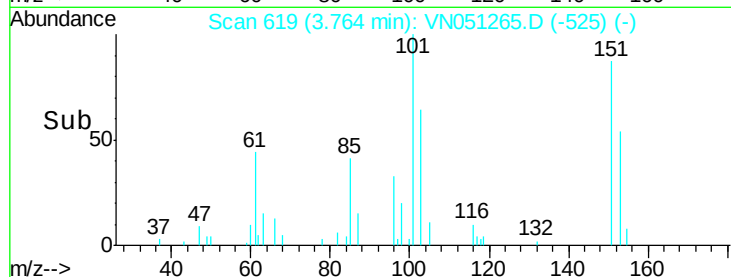
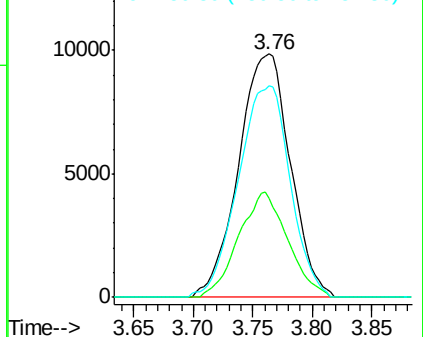
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.46 ug/l

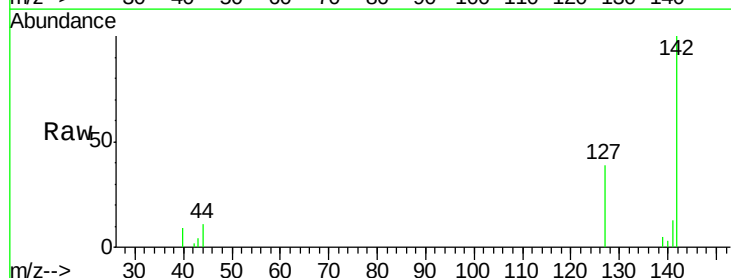
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

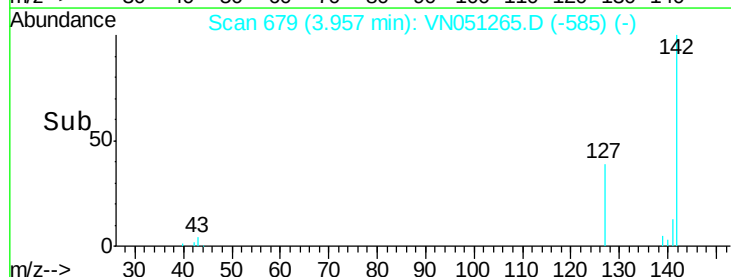
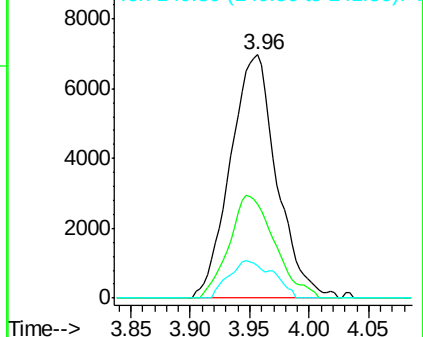
Tgt Ion:	142	Resp:	18851
Ion Ratio	Lower	Upper	
142	100		
127	41.3	31.7	47.5
141	14.7	11.6	17.4

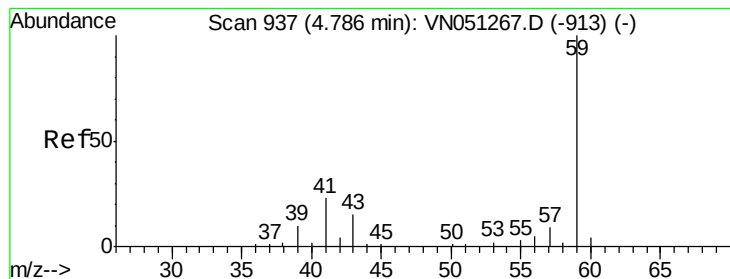


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

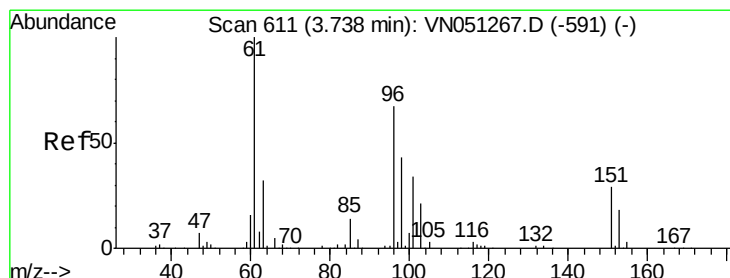
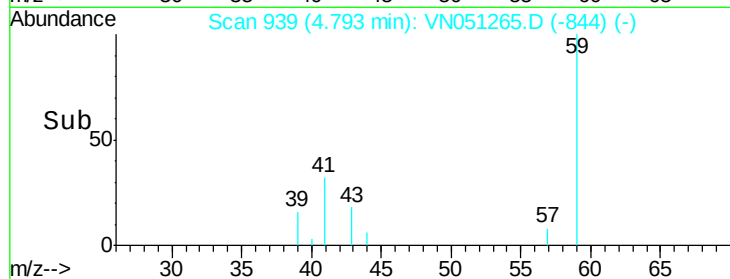
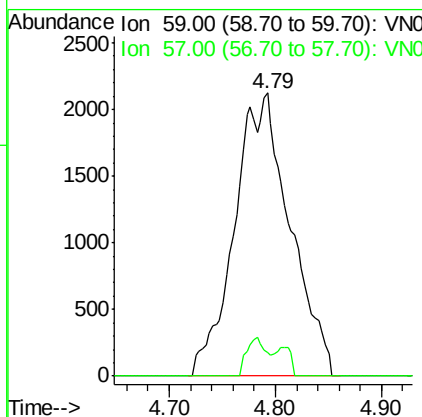
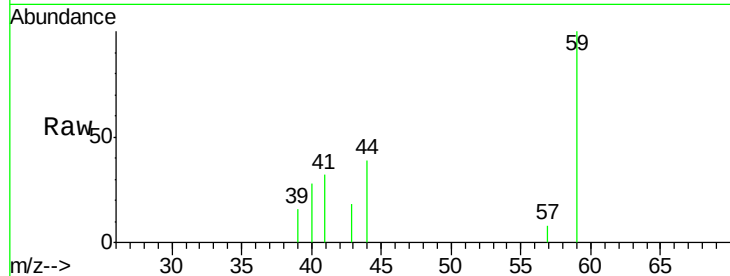
Tert butyl alcohol
 Concen: 16.96 ug/l m
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 7712
 Ion Ratio Lower Upper
 59 100
 57 4.8 7.9 11.9#

Manual Integrations
 APPROVED

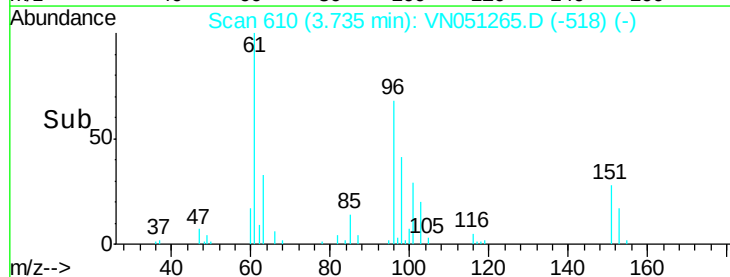
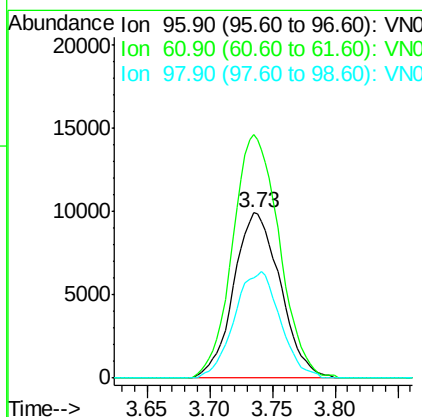
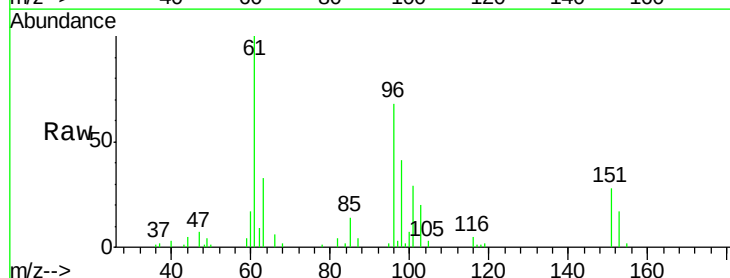
MMDadoda
 9/19/2018 4:57:48 PM

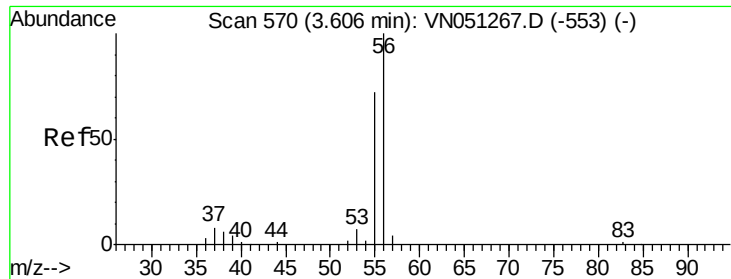


#12

1,1-Dichloroethene
 Concen: 4.36 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion: 96 Resp: 25609
 Ion Ratio Lower Upper
 96 100
 61 147.4 119.3 178.9
 98 60.7 51.8 77.6





#13

Acrolein

Concen: 14.92 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7949

Ion Ratio Lower Upper

56 100

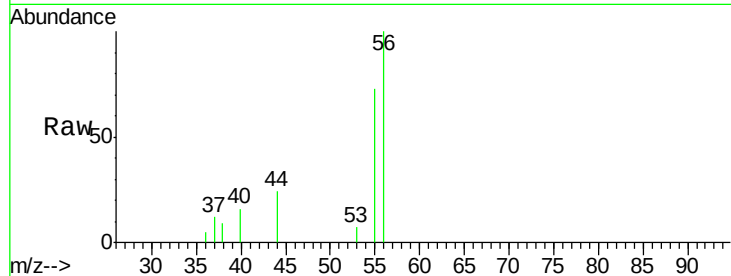
55 71.5 56.4 84.6

Manual Integrations

APPROVED

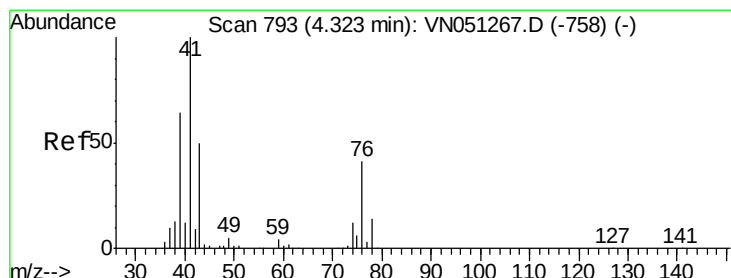
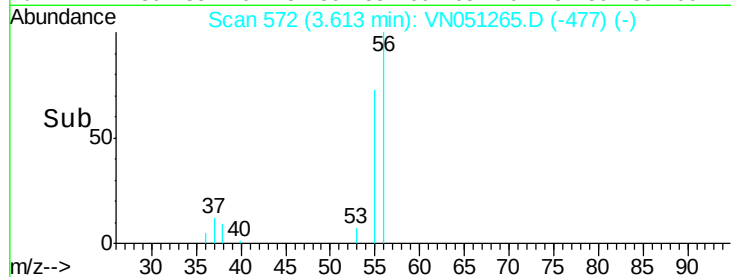
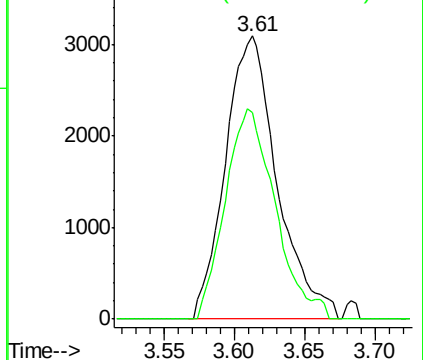
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.05 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

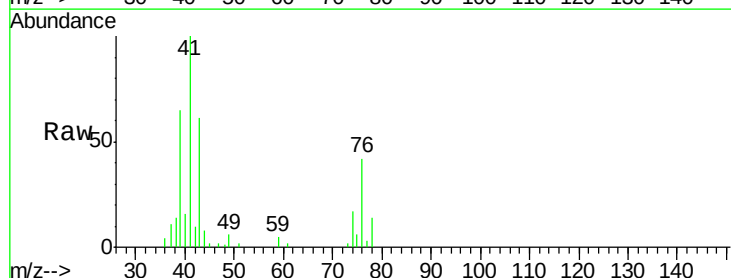
Tgt Ion: 41 Resp: 36162

Ion Ratio Lower Upper

41 100

39 62.3 49.0 73.4

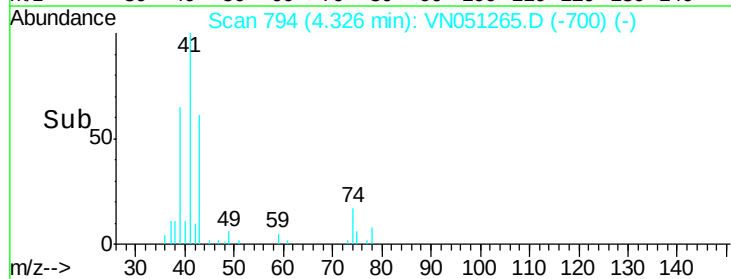
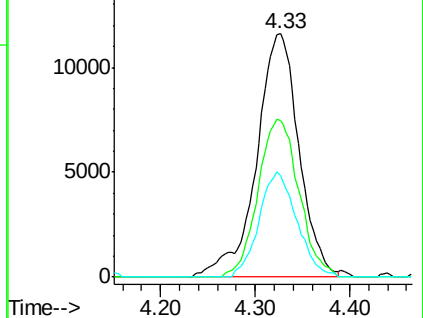
76 38.4 31.4 47.0

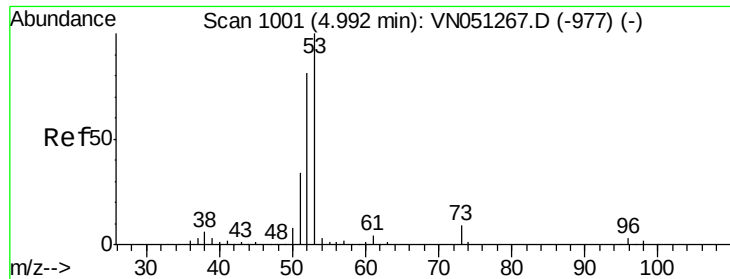


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





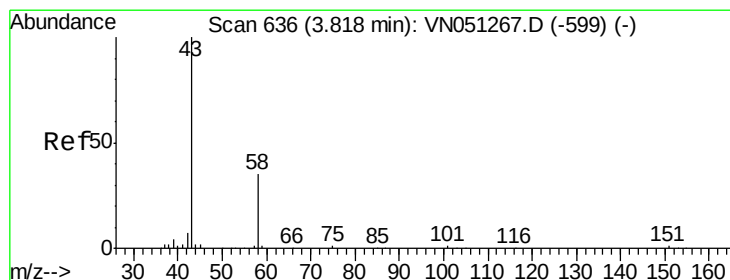
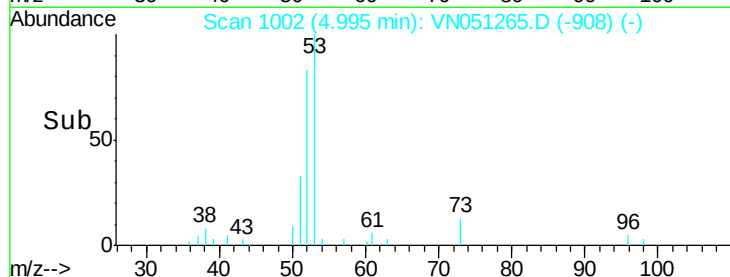
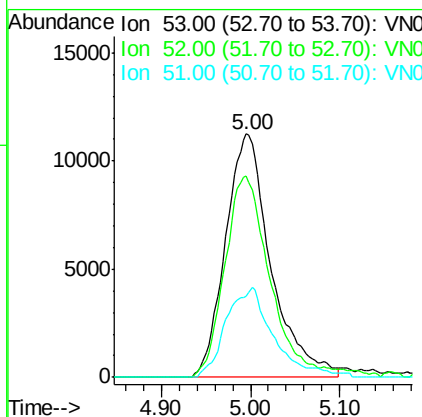
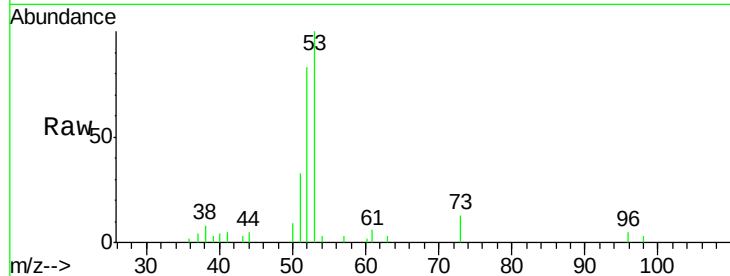
#15
 Acrylonitrile
 Concen: 19.34 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	53	Resp	39685
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.0	97.6
51	38.3	28.0	42.0

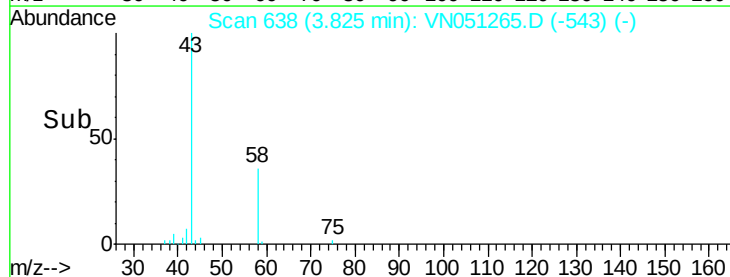
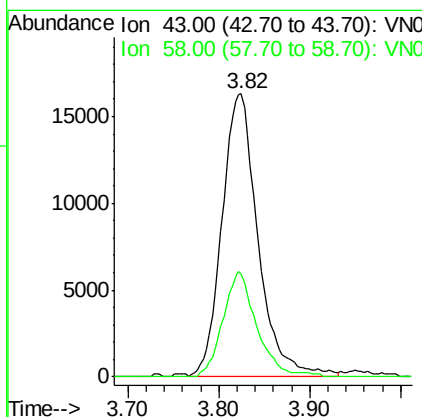
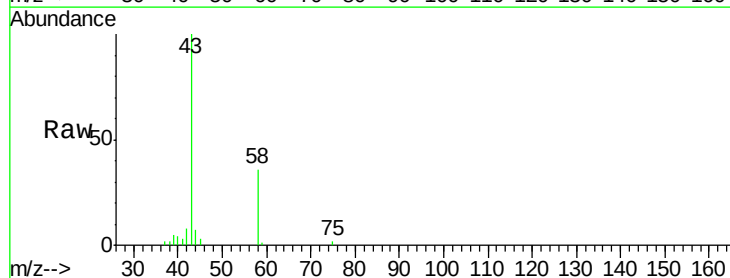
Manual Integrations
 APPROVED

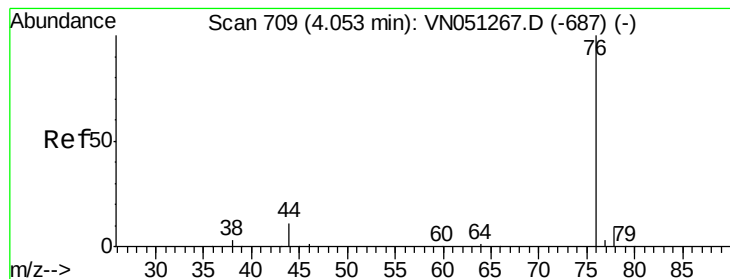
MMDadoda
 9/19/2018 4:57:48 PM



#16
 Acetone
 Concen: 26.62 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	43	Resp	45031
Ion Ratio	Lower	Upper	
43	100		
58	36.4	28.2	42.2





#17

Carbon Disulfide

Concen: 4.09 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tot Ion: 76 Resp: 79372

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

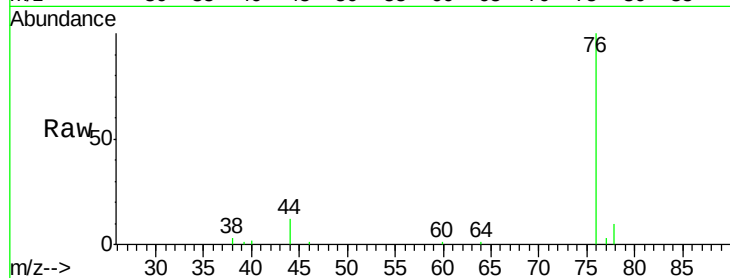
VSTDIC005

Manual Integrations

APPROVED

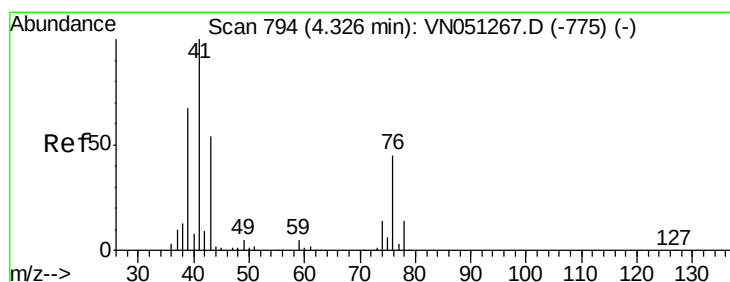
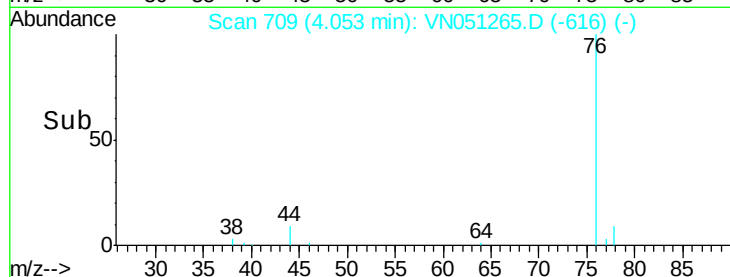
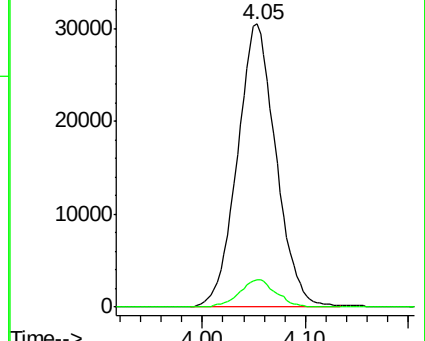
MMDadoda

9/19/2018 4:57:48 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 4.52 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051265.D

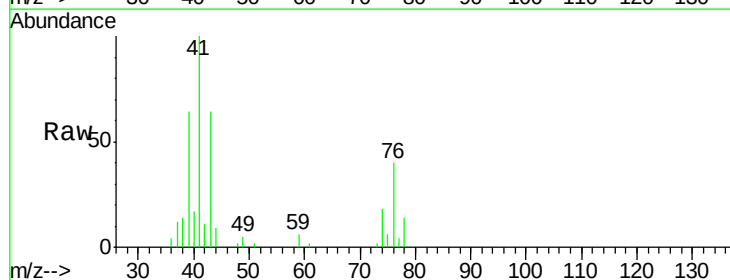
Acq: 17 Sep 2018 10:46

Tgt Ion: 43 Resp: 22033

Ion Ratio Lower Upper

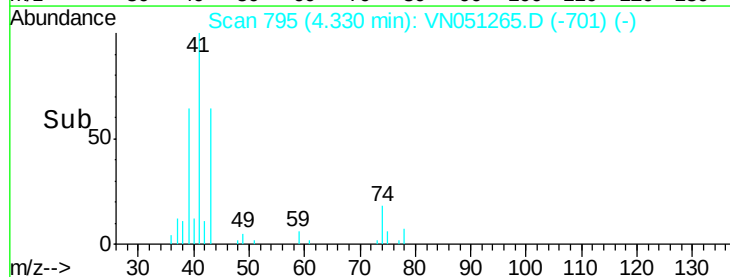
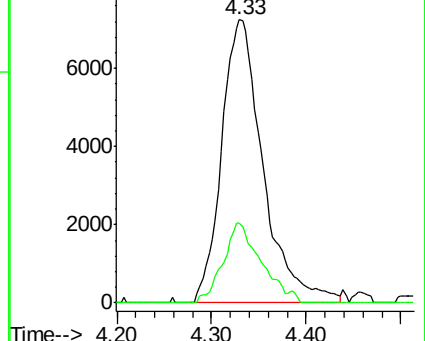
43 100

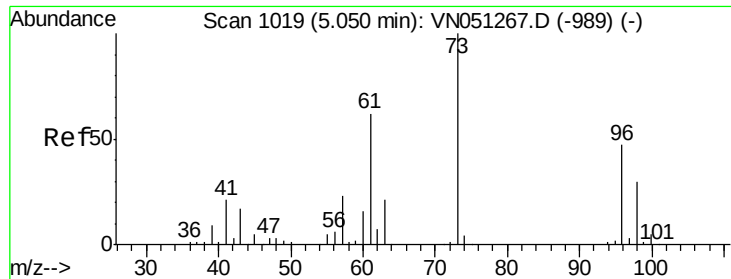
74 25.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





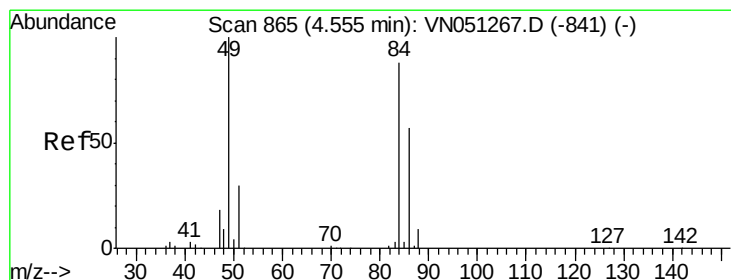
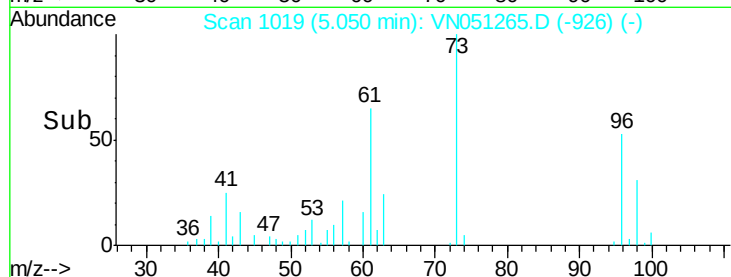
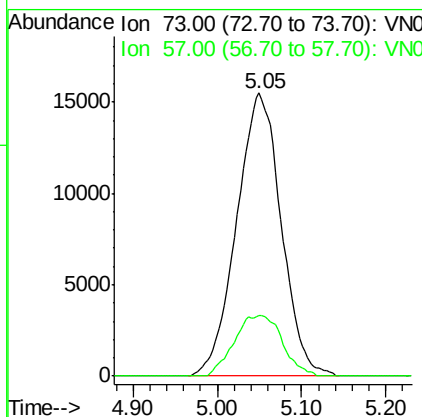
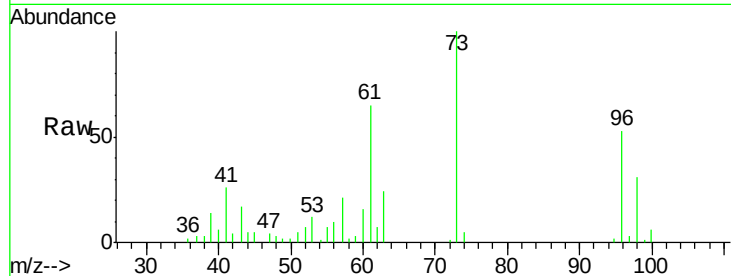
#19
Methyl tert-butyl Ether
Concen: 3.70 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 56903
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1

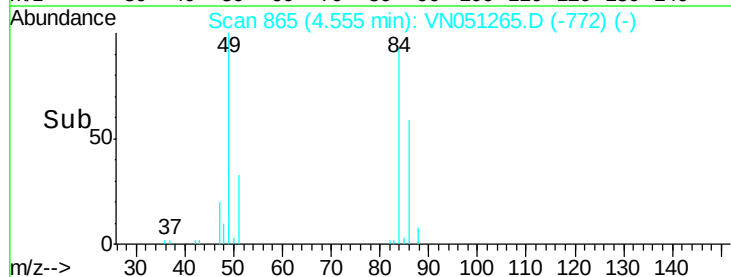
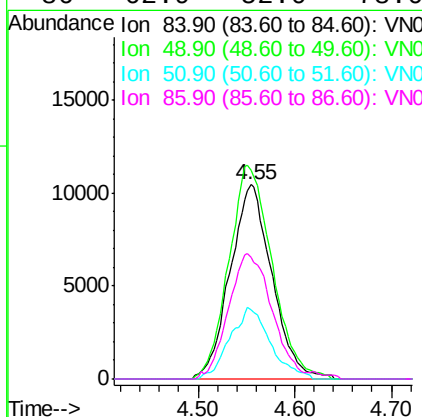
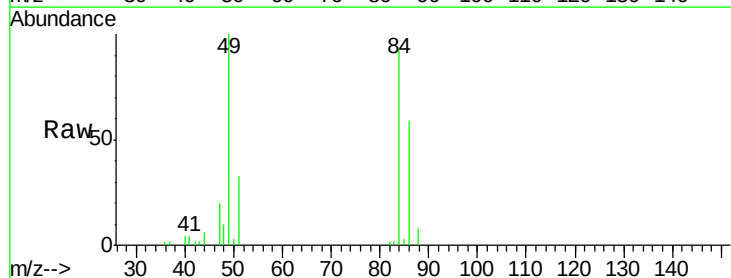
Manual Integrations
APPROVED

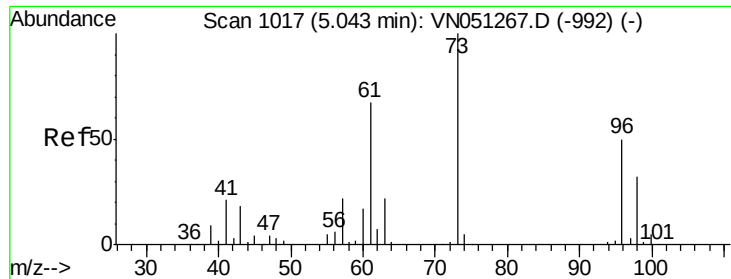
MMDadoda
9/19/2018 4:57:48 PM



#20
Methylene Chloride
Concen: 4.64 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion: 84 Resp: 31486
Ion Ratio Lower Upper
84 100
49 107.1 91.2 136.8
51 35.6 27.7 41.5
86 62.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 4.21 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

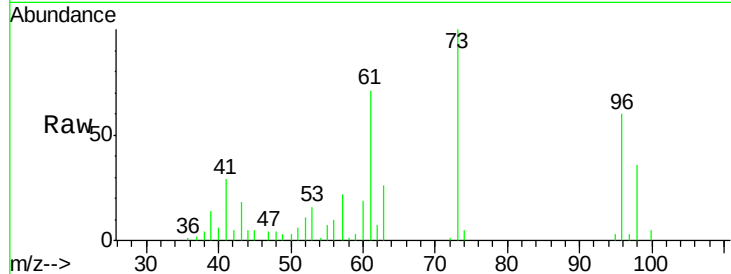
ClientSampled :

VSTDIC005

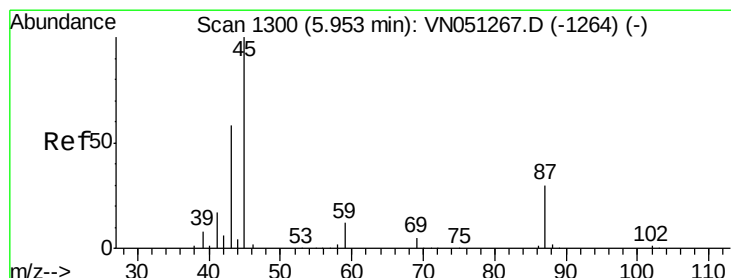
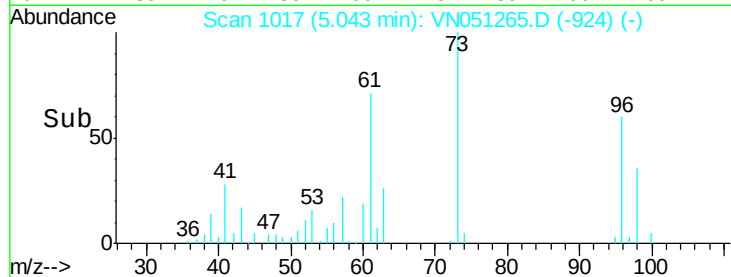
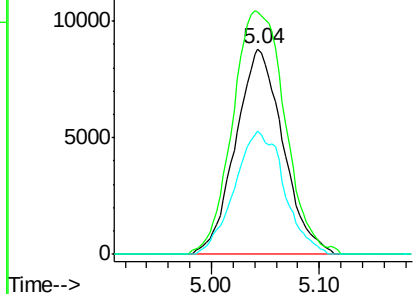
Tot Ion:	96	Resp:	26917
Ion	Ratio	Lower	Upper
96	100		
61	117.9	106.7	160.1
98	59.7	51.4	77.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 3.98 ug/l

RT: 5.96 min Scan# 1301

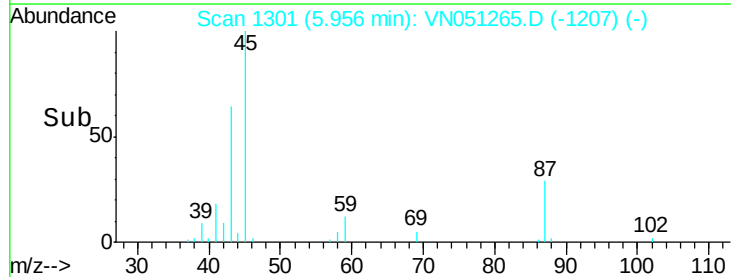
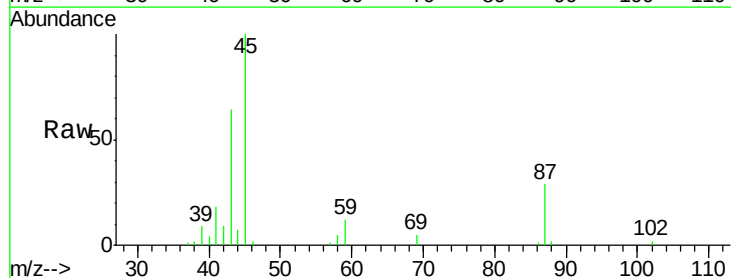
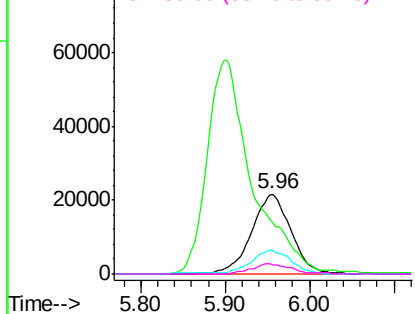
Delta R.T. 0.00 min

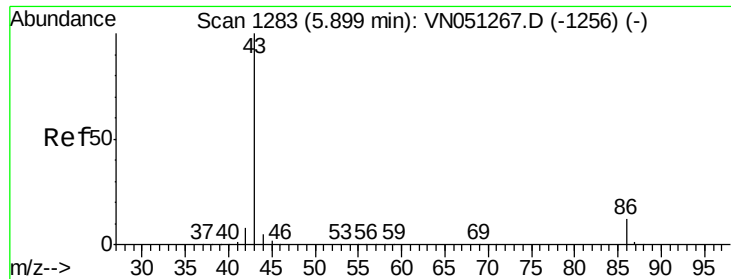
Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tgt Ion:	45	Resp:	70317
Ion	Ratio	Lower	Upper
45	100		
43	59.5	46.7	70.1
87	29.3	24.6	36.8
59	11.9	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





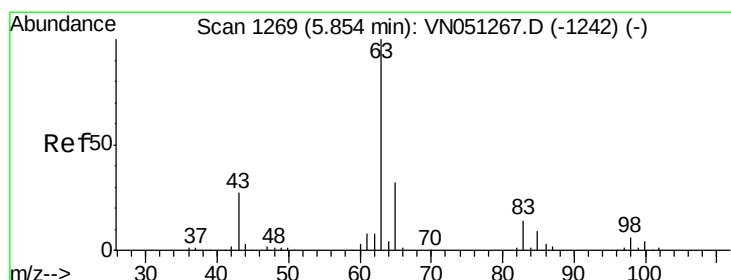
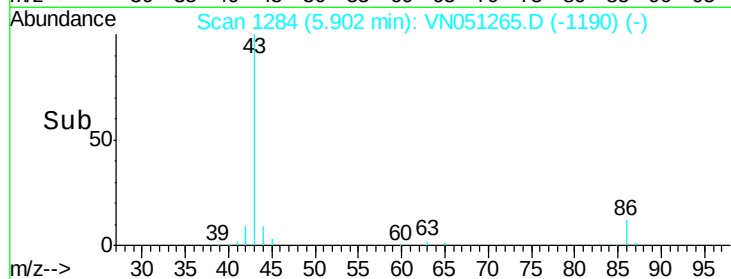
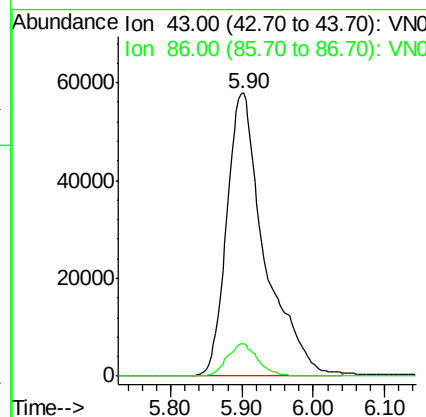
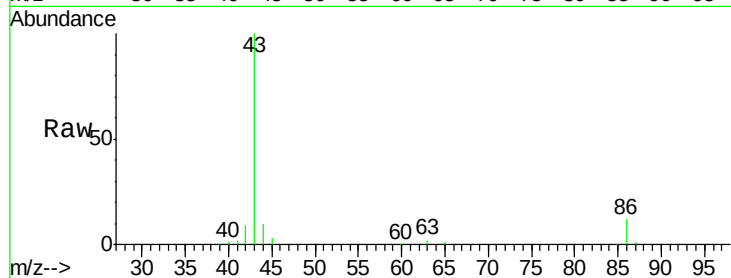
#23
 Vinyl Acetate
 Concen: 18.02 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	214612
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	9.3	13.9

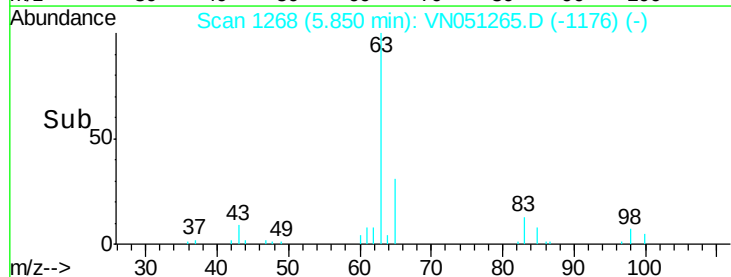
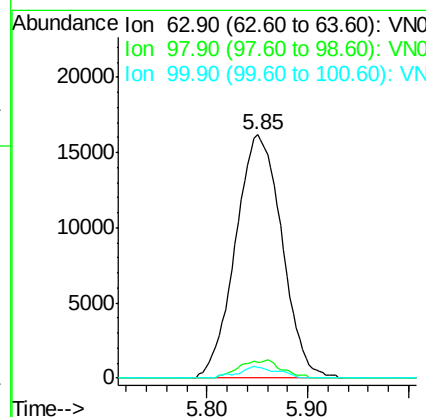
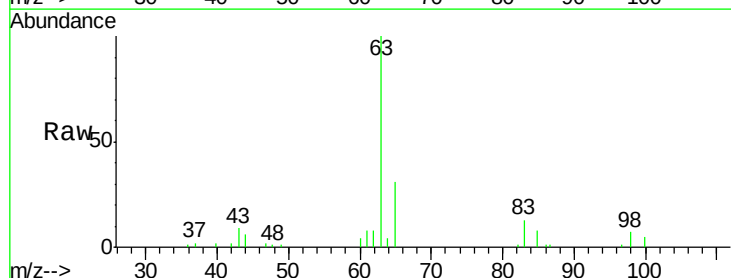
Manual Integrations
 APPROVED

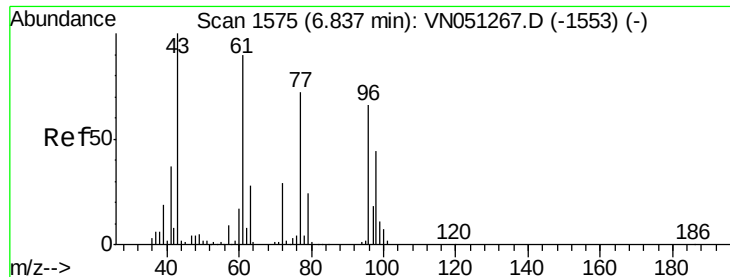
MMDadoda
 9/19/2018 4:57:48 PM



#24
 1,1-Dichloroethane
 Concen: 4.58 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	63	Resp	51709
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	4.6	2.3	6.8





#25

2-Butanone

Concen: 20.74 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 48912

Ion Ratio Lower Upper

43 100

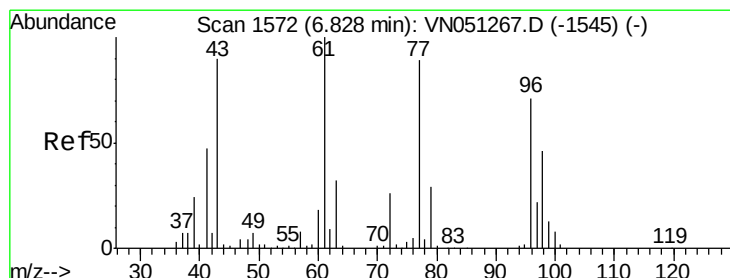
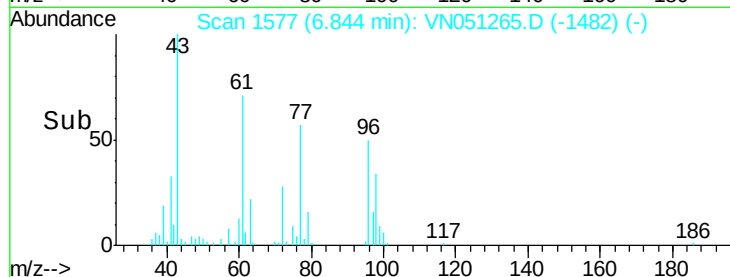
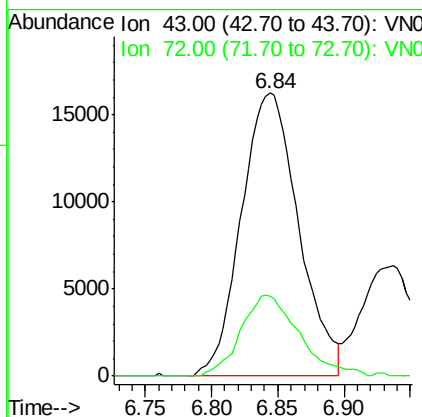
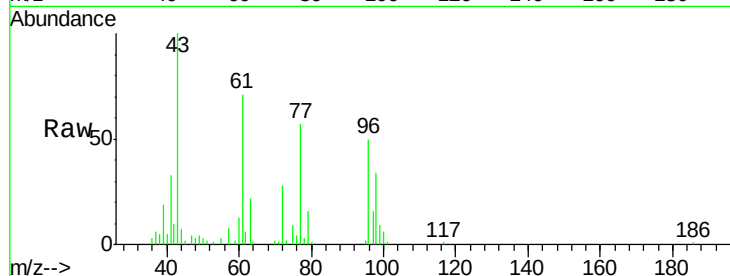
72 28.2 23.4 35.0

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#26

2,2-Dichloropropane

Concen: 4.43 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051265.D

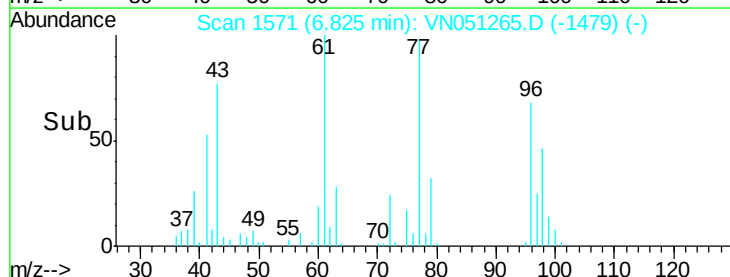
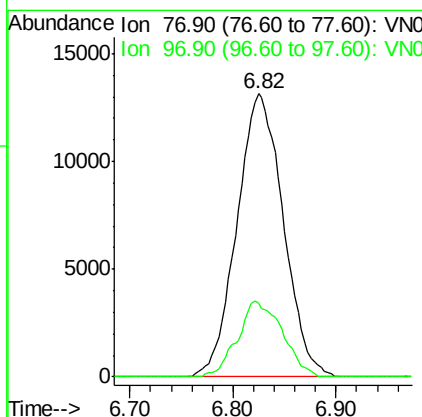
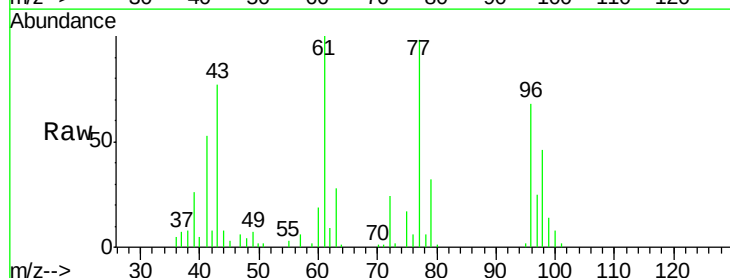
Acq: 17 Sep 2018 10:46

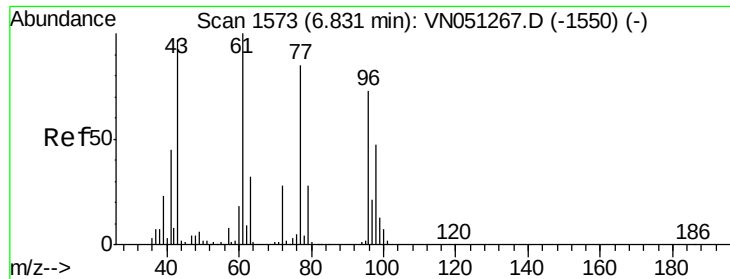
Tgt Ion: 77 Resp: 40932

Ion Ratio Lower Upper

77 100

97 25.9 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 4.16 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

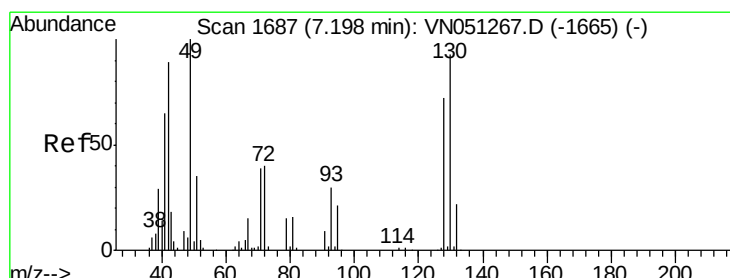
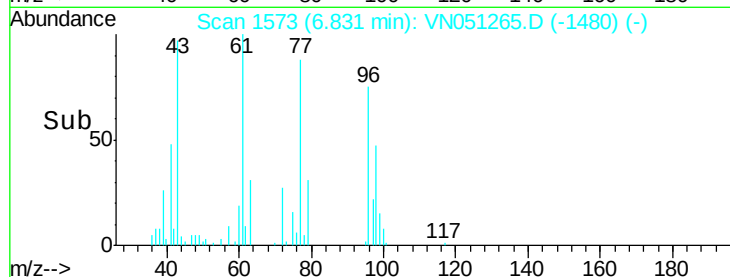
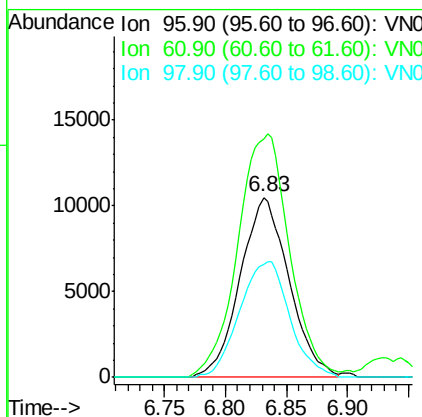
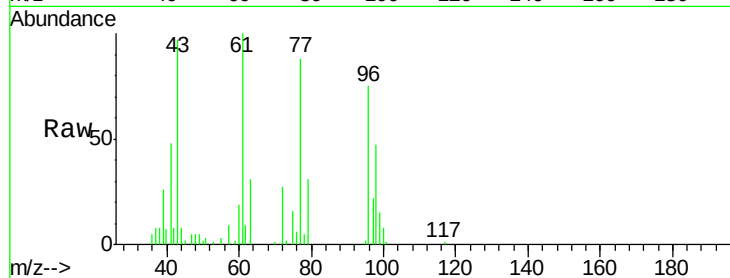
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	29063
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	276.2
98	66.0	0.0	129.2

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#28

Bromochloromethane

Concen: 4.69 ug/l

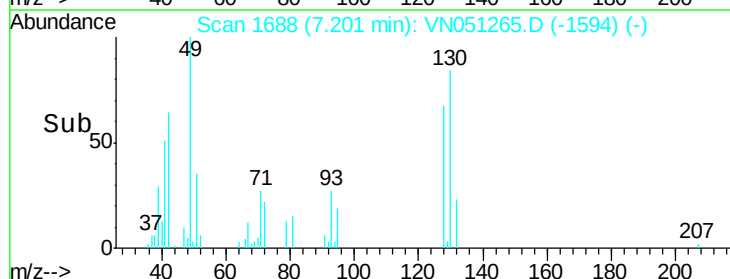
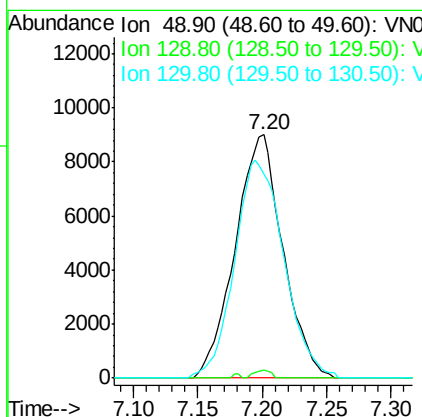
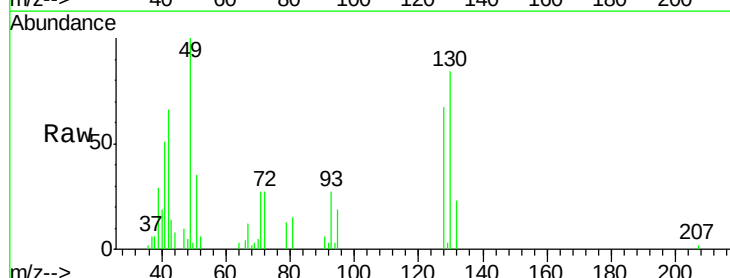
RT: 7.20 min Scan# 1688

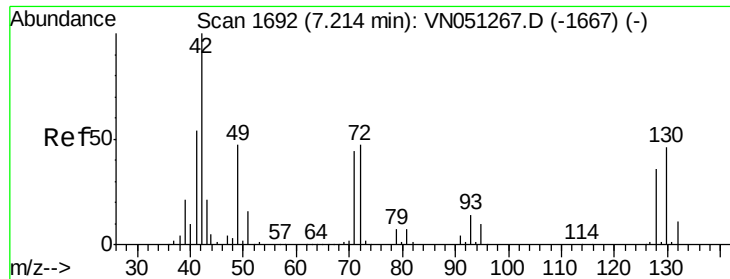
Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tgt Ion:	49	Resp:	23181
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	92.6	73.7	110.5





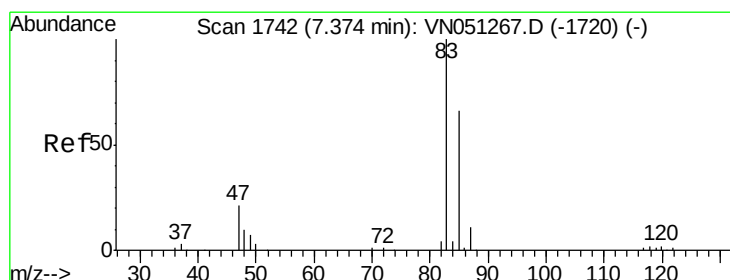
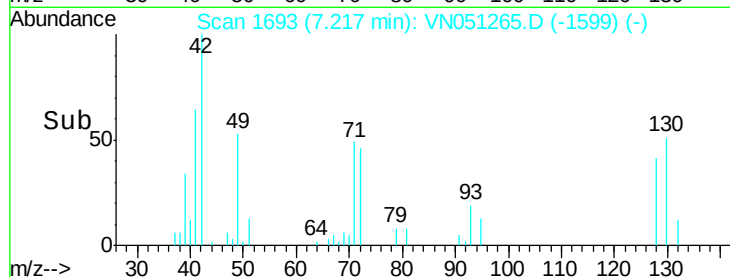
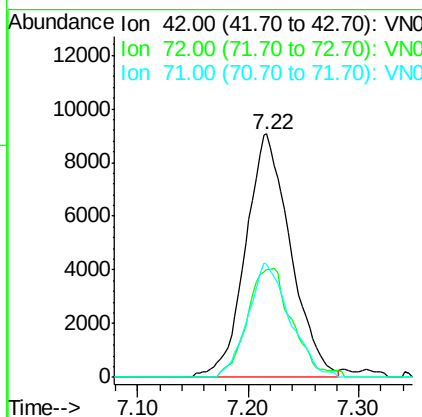
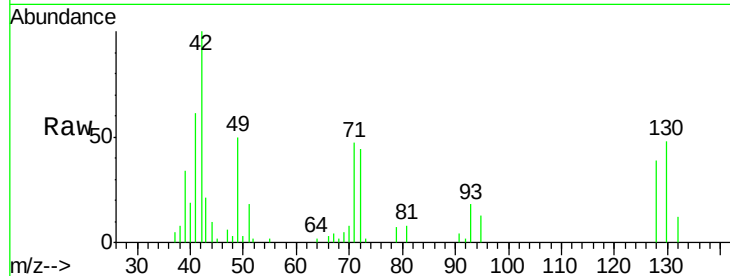
#29
Tetrahydrofuran
Concen: 17.32 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	37.6	56.4
71	43.8	35.4	53.2

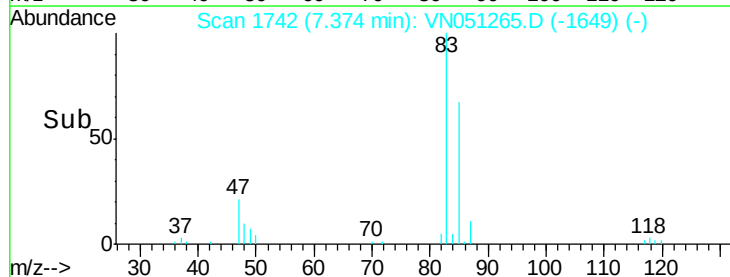
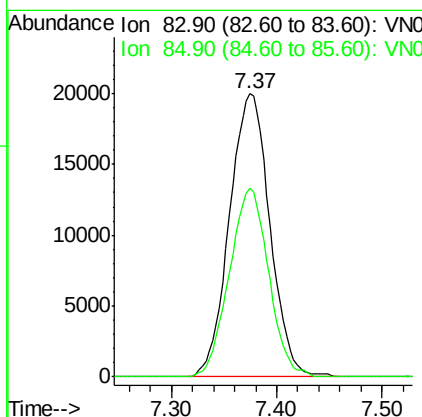
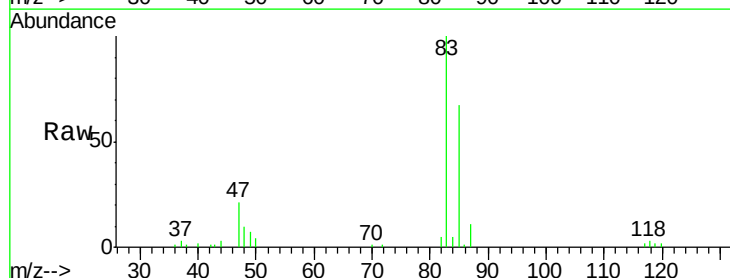
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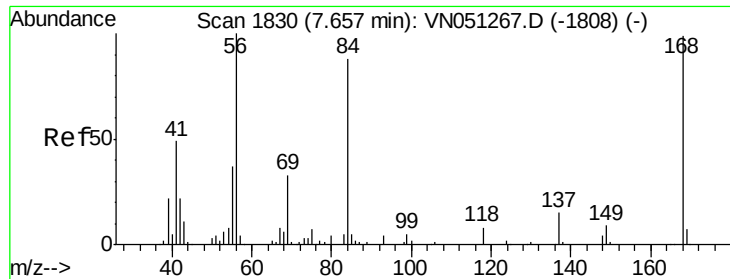
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#30
Chloroform
Concen: 4.73 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





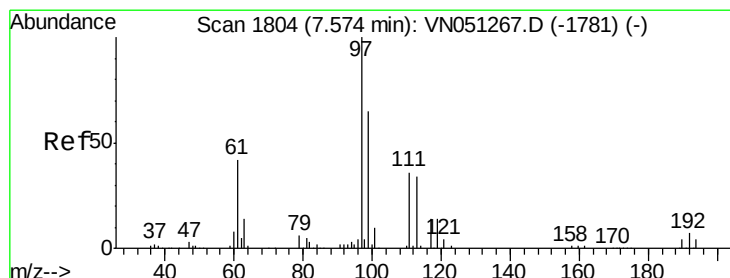
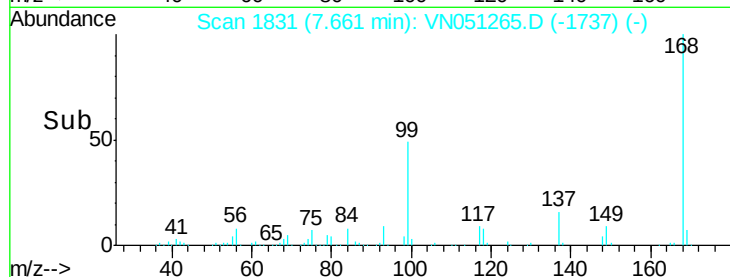
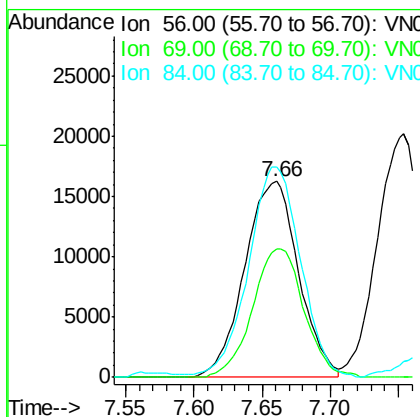
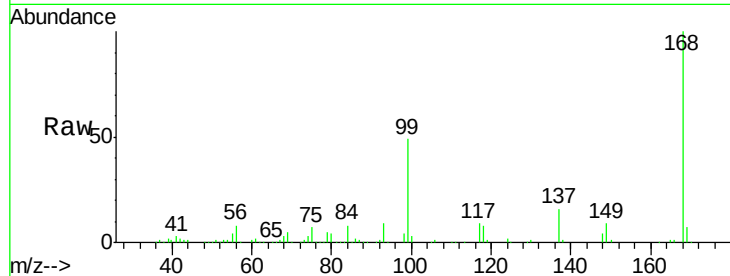
#31
Cyclohexane
Concen: 3.91 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	65.6	26.2	39.2#
84	105.7	70.6	106.0

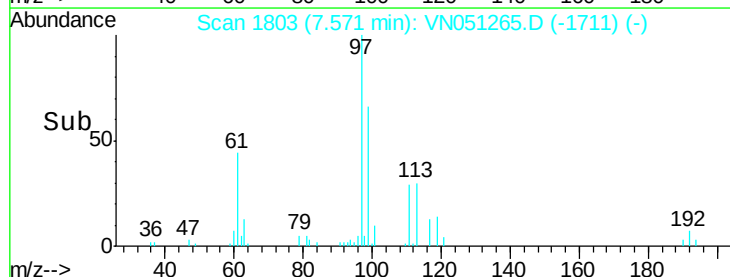
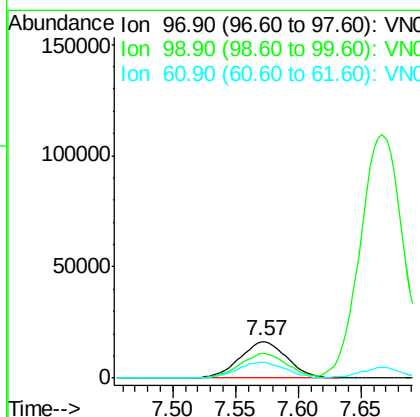
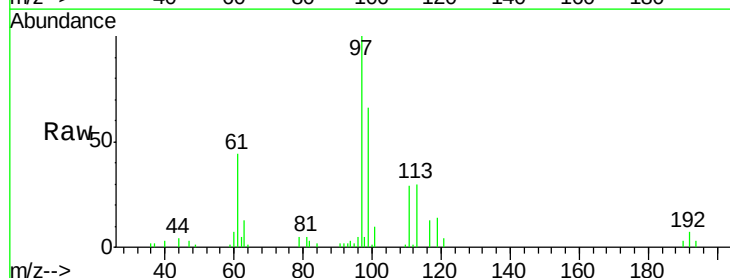
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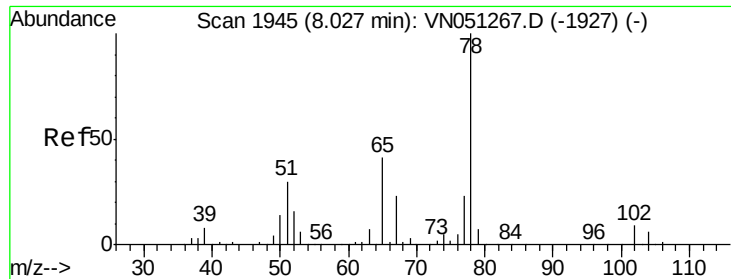
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#32
1,1,1-Trichloroethane
Concen: 4.50 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.6	77.4
61	43.7	33.4	50.2





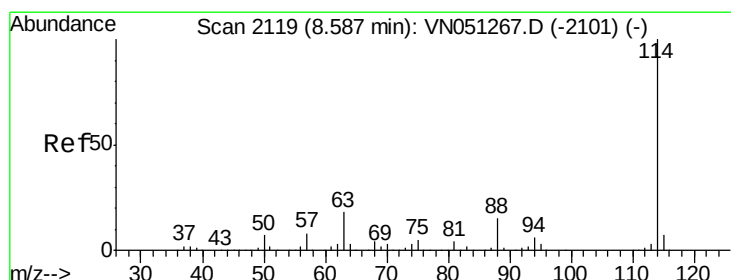
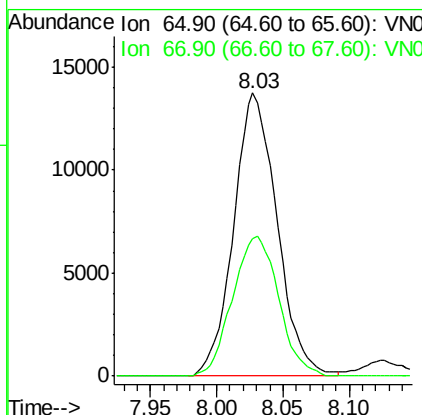
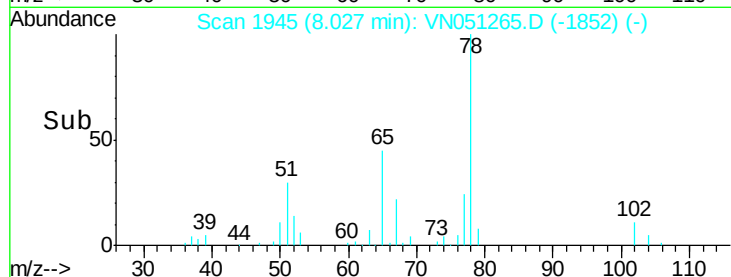
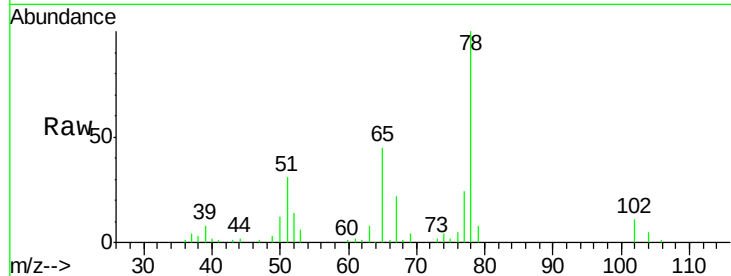
#33
 1,2-Dichloroethane-d4
 Concen: 5.13 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	31262		
67	52.4	0.0	111.0	

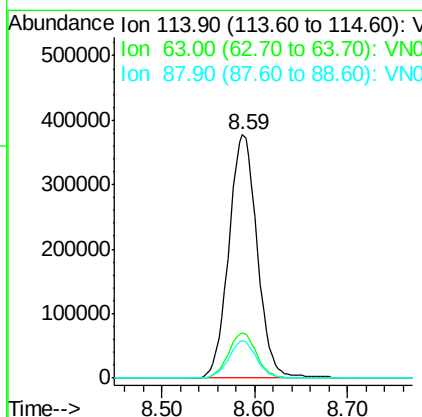
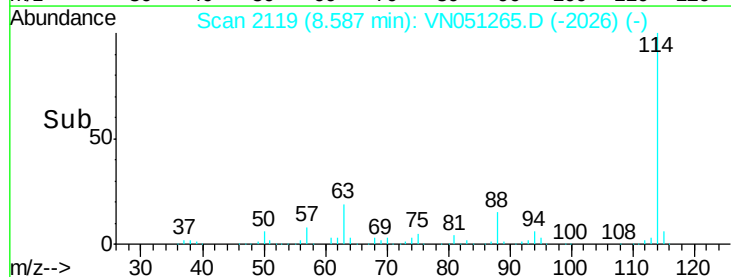
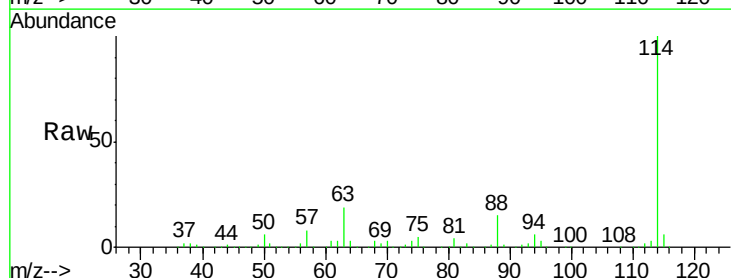
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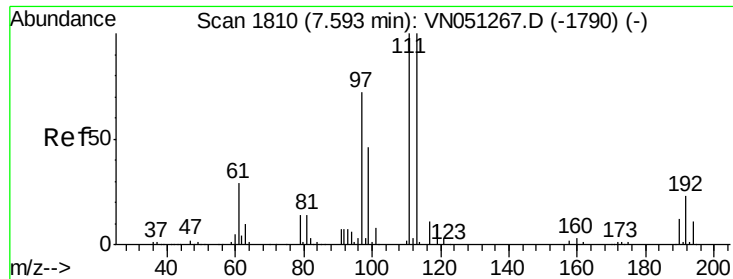
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	801440		
63	18.5	0.0	36.8	
88	15.3	0.0	30.8	





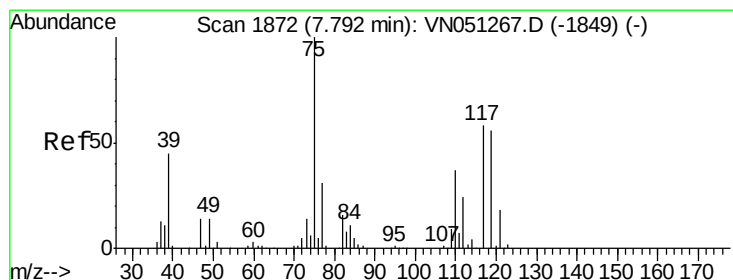
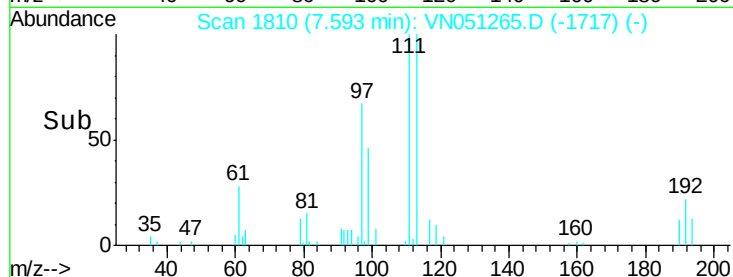
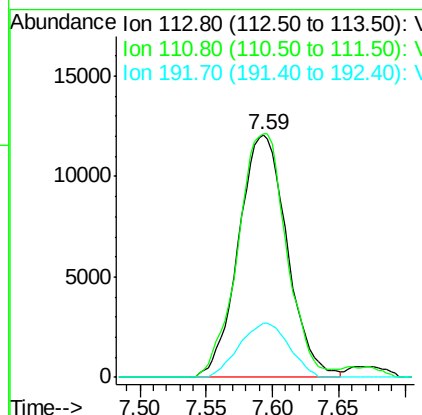
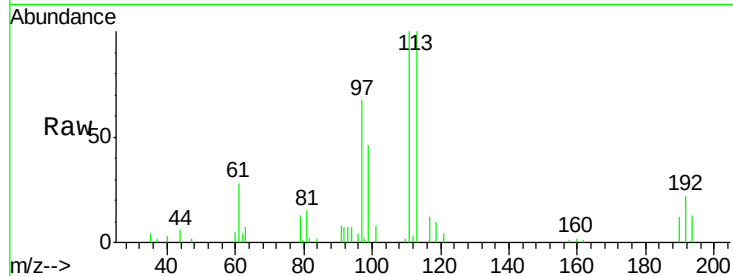
#35
 Dibromofluoromethane
 Concen: 5.07 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.2	123.4
192	22.9	19.0	28.6

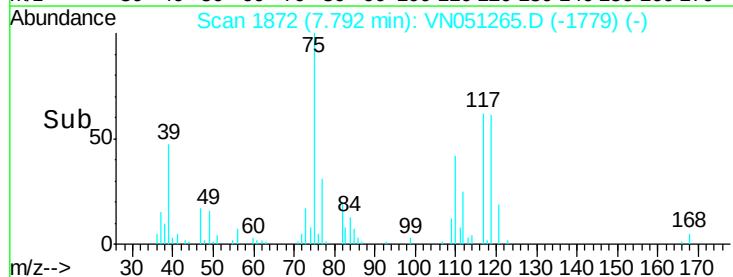
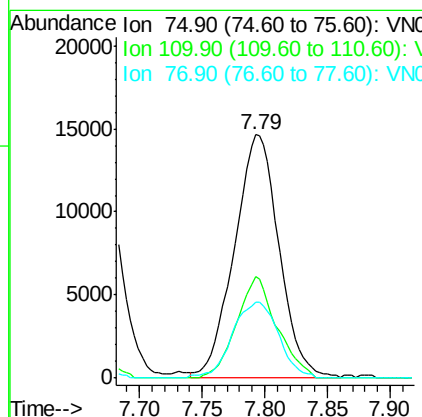
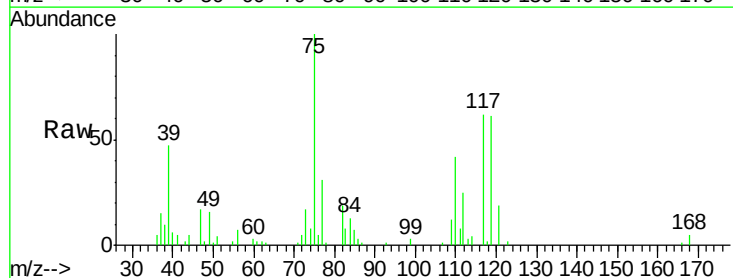
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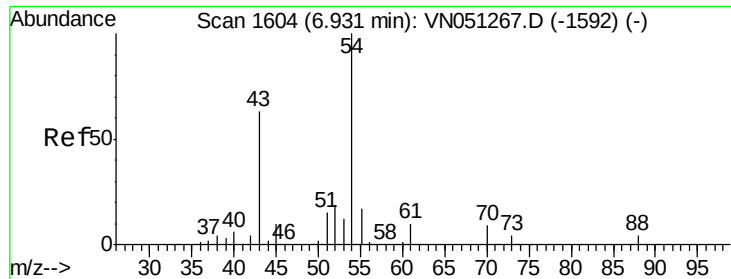
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#36
 1,1-Dichloropropene
 Concen: 4.09 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.6	56.0
77	32.3	24.7	37.1





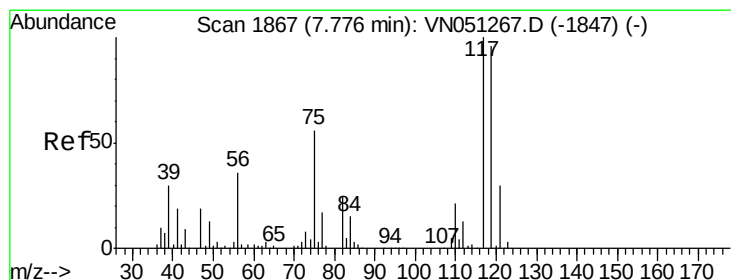
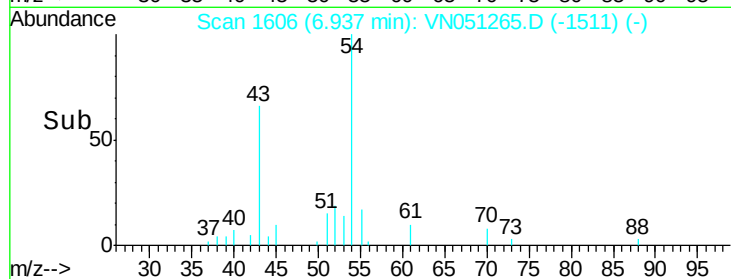
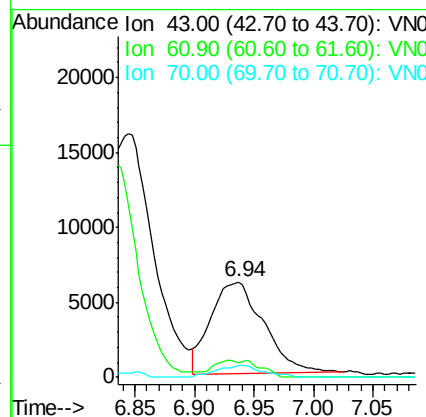
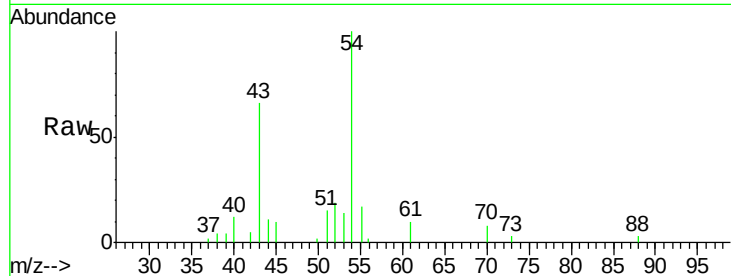
#37
Ethyl Acetate
Concen: 3.75 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.3	18.5#
70	11.5	9.4	14.0

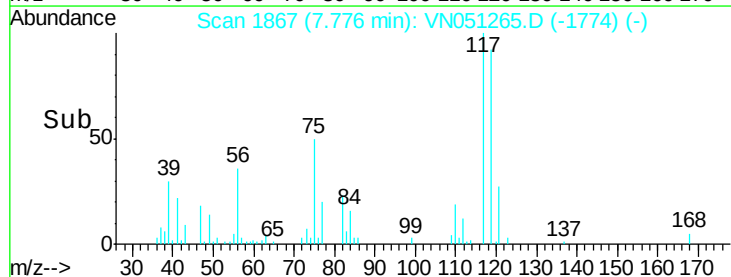
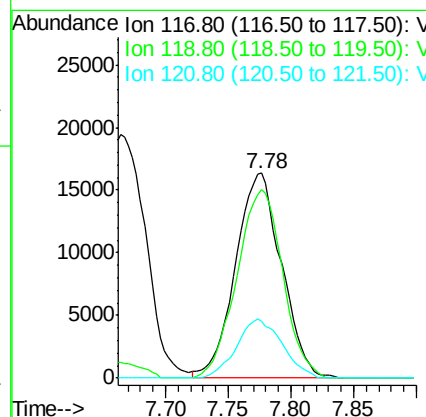
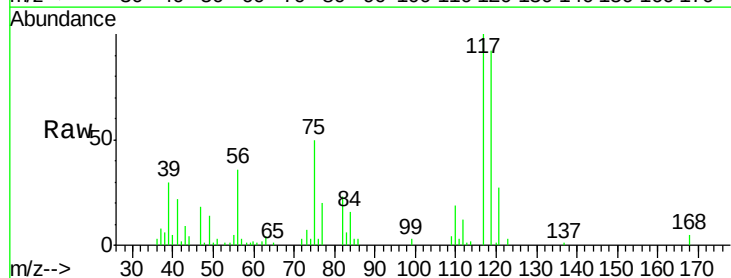
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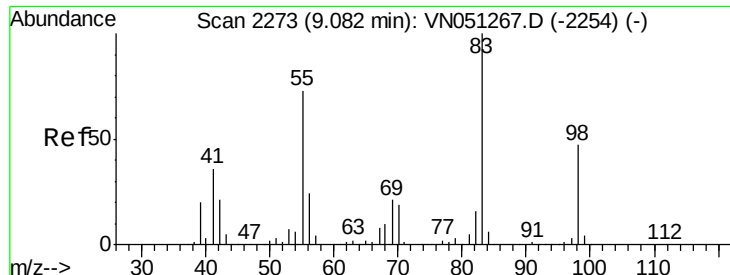
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#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.8	115.2
121	27.5	24.2	36.2





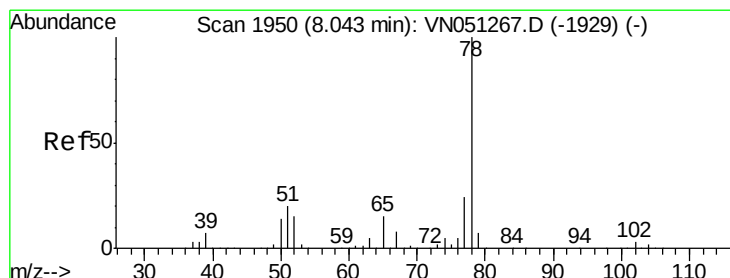
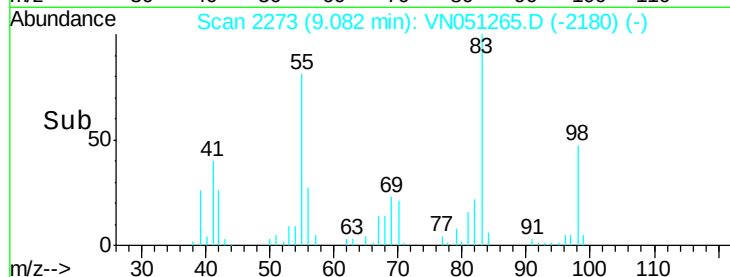
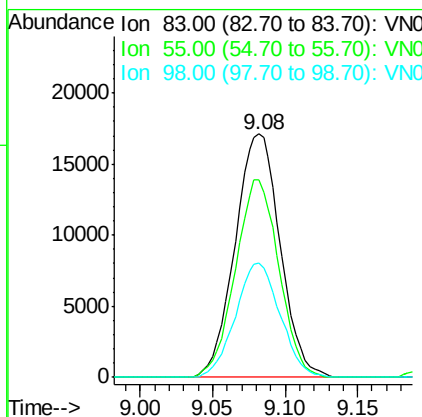
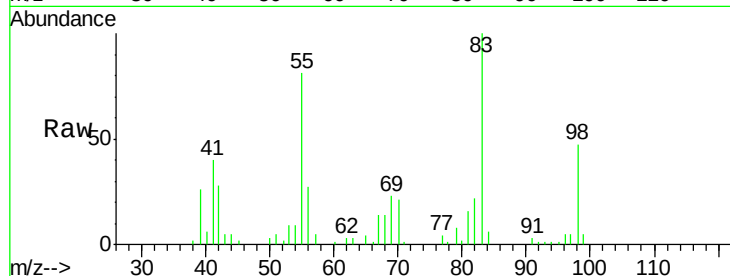
#39
Methylvlcyclohexane
Concen: 3.79 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	37023
Ion Ratio	Lower	Upper	
83	100		
55	81.3	58.7	88.1
98	46.8	37.3	55.9

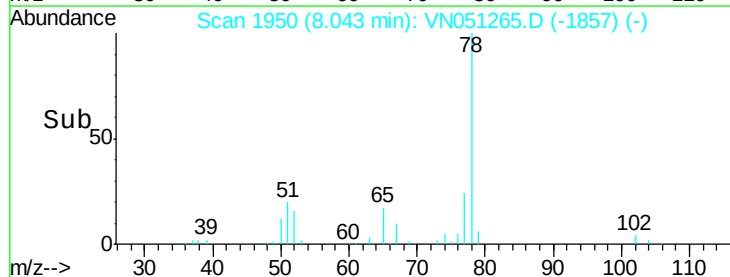
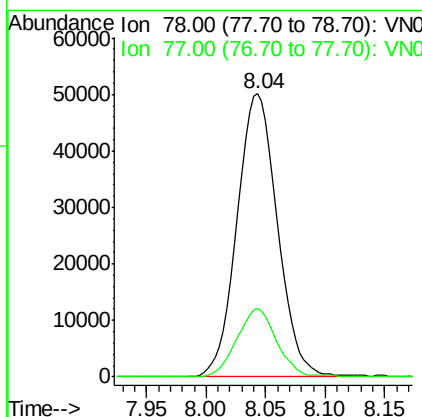
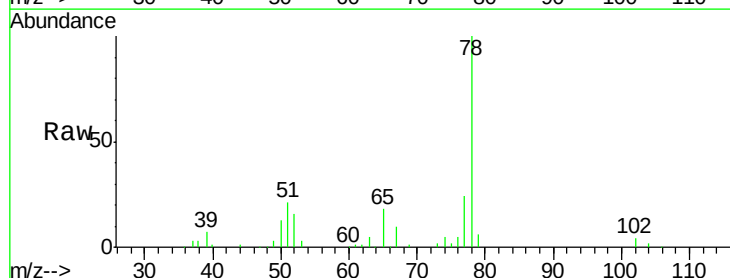
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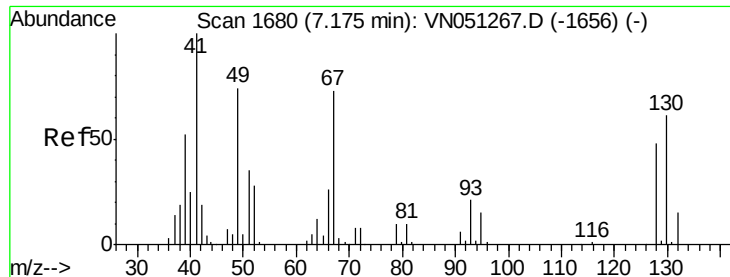
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#40
Benzene
Concen: 4.42 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	78	Resp	118129
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.0	28.4





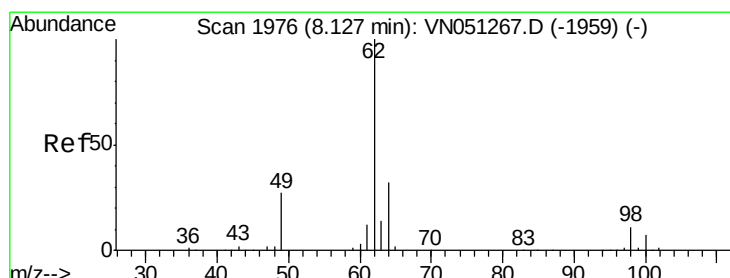
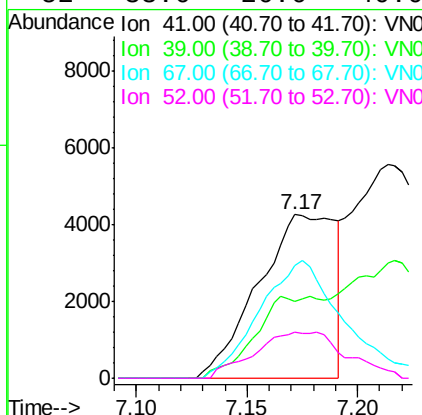
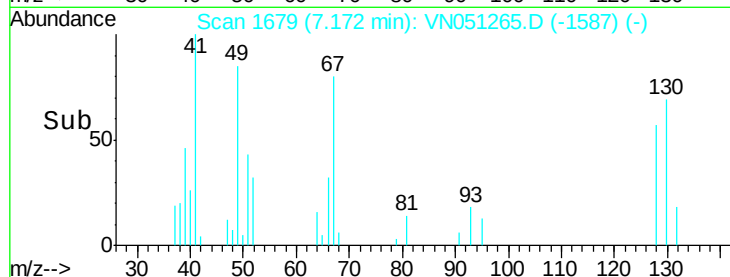
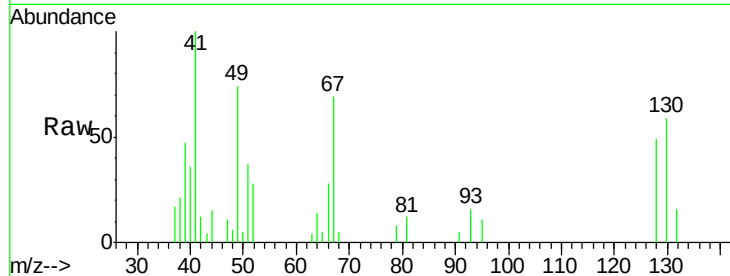
#41
Methacrylonitrile
Concen: 3.88 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	27.3	47.8	71.6#
67	79.8	69.8	104.6
52	33.6	26.6	40.0

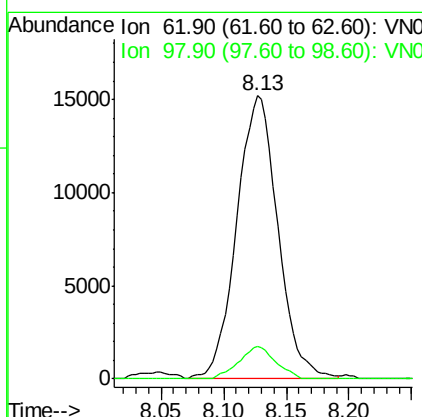
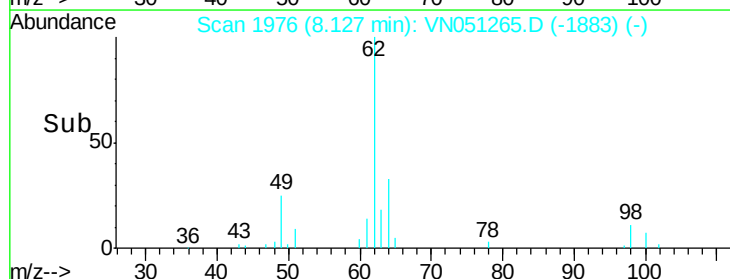
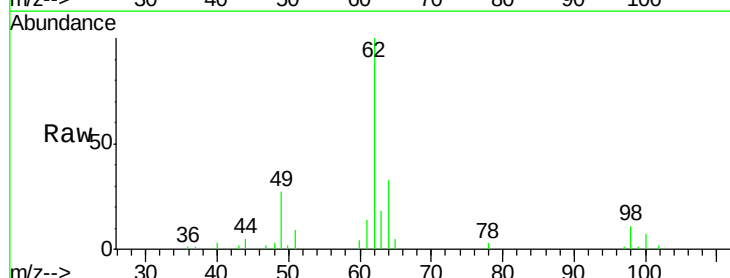
Manual Integrations
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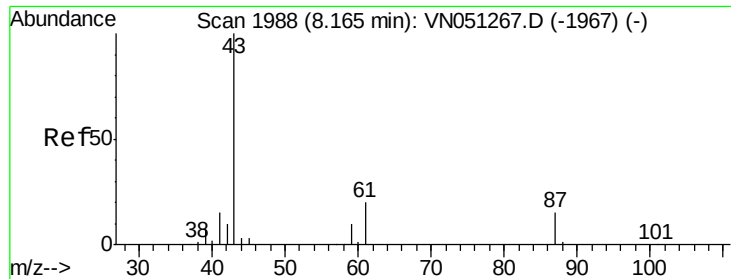
MMDadoda
9/19/2018 4:57:48 PM



#42
1,2-Dichloroethane
Concen: 4.46 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 4.12 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

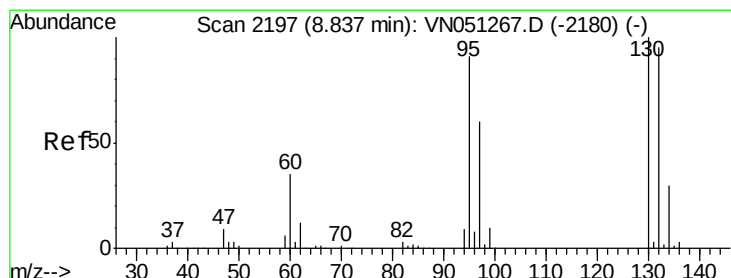
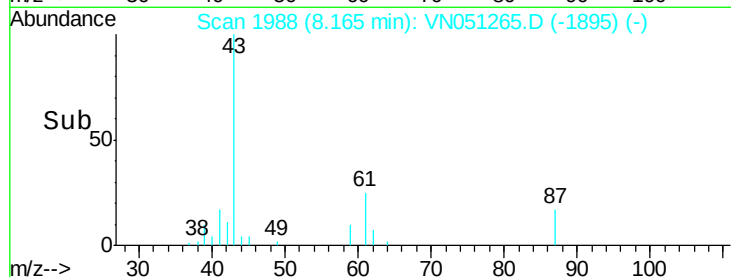
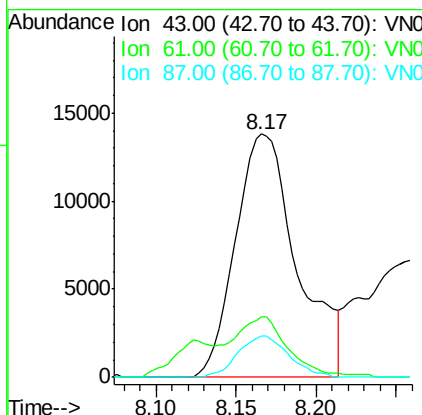
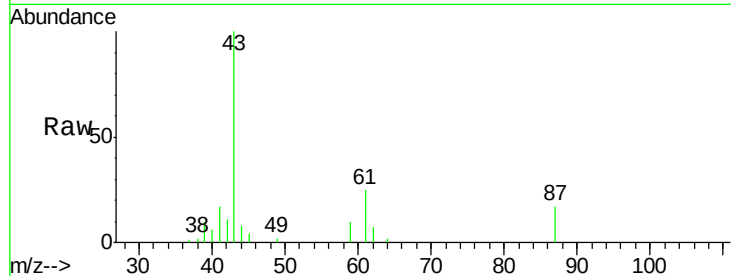
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	36582
Ion	Ratio	Lower	Upper
43	100		
61	19.1	17.4	26.2
87	13.9	12.2	18.4

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#44

Trichloroethene

Concen: 4.32 ug/l

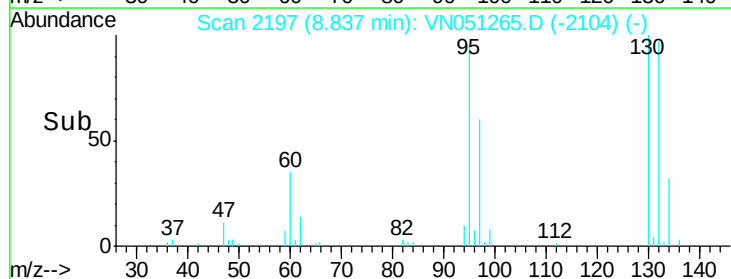
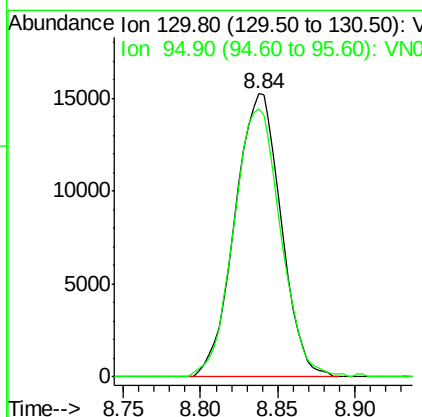
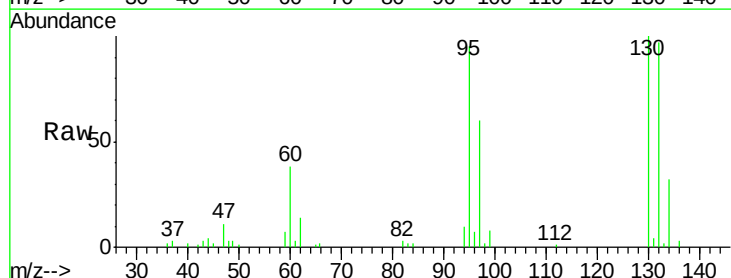
RT: 8.84 min Scan# 2197

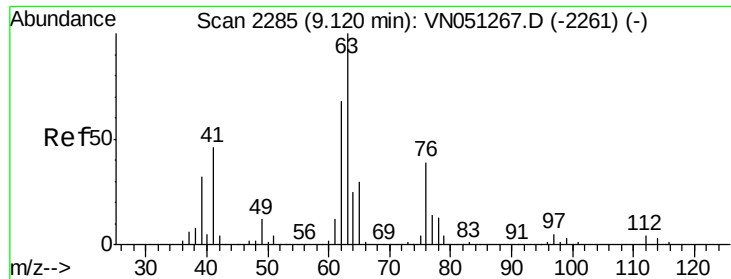
Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tgt Ion:	130	Resp:	31630
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	181.8





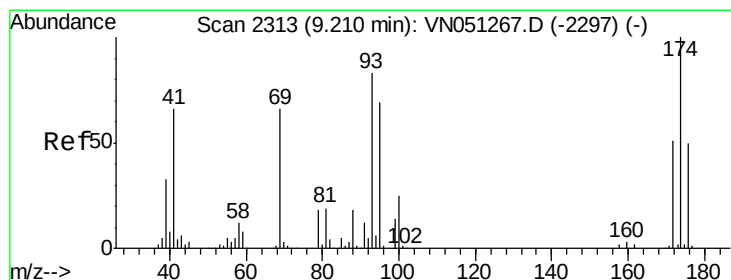
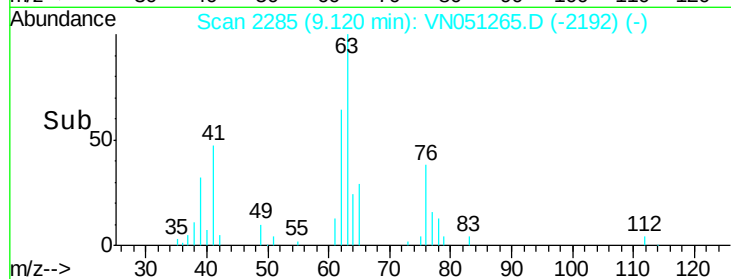
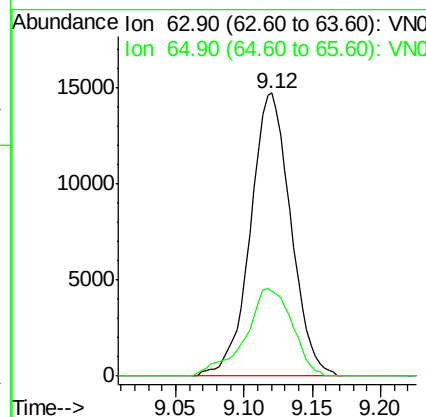
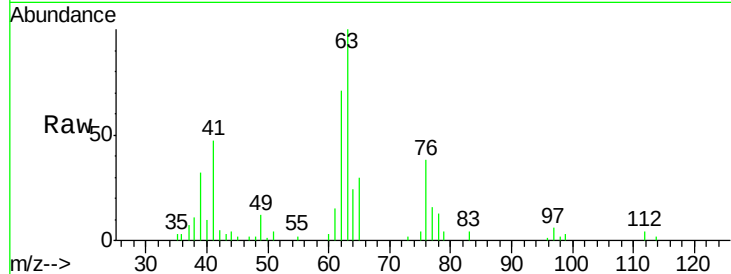
#45
 1,2-Dichloropropane
 Concen: 4.39 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 30229
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.4

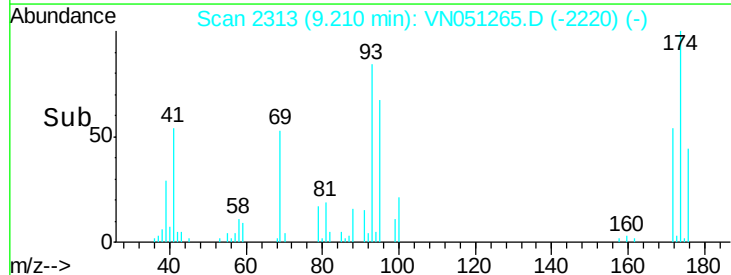
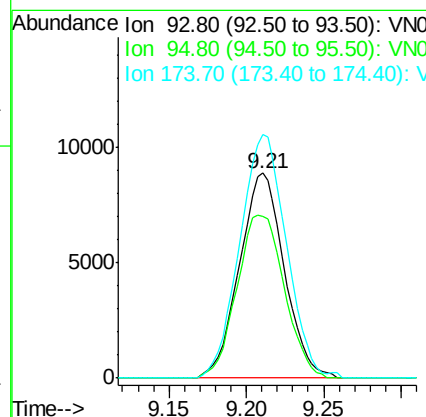
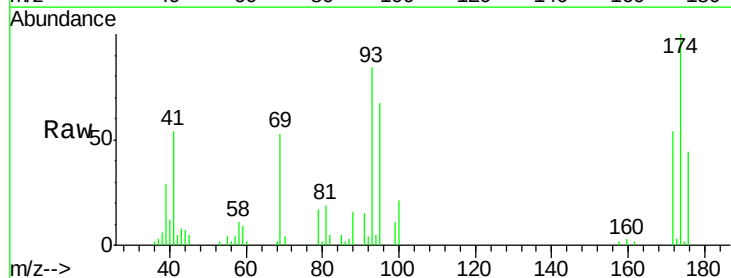
Manual Integrations
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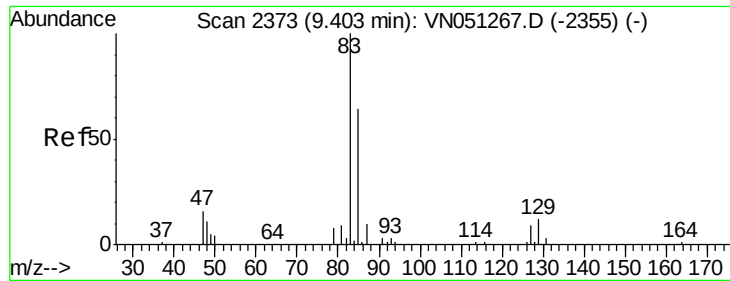
MMDadoda
 9/19/2018 4:57:48 PM



#46
 Dibromomethane
 Concen: 4.25 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion: 93 Resp: 17889
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 123.4 95.6 143.4





#47

Bromodichloromethane

Concen: 4.70 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

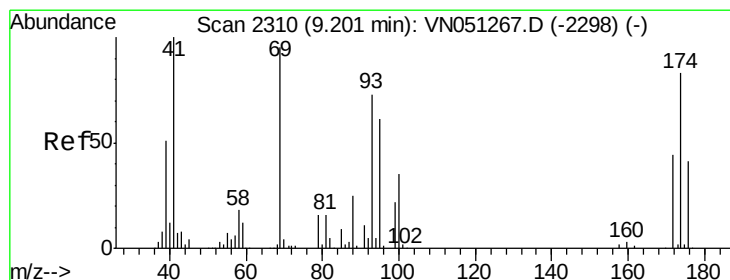
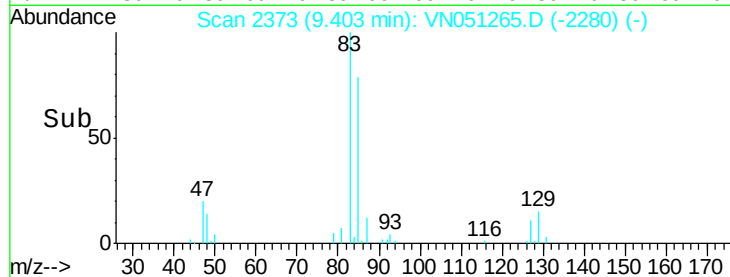
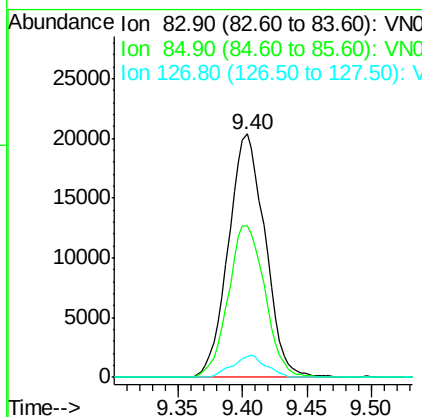
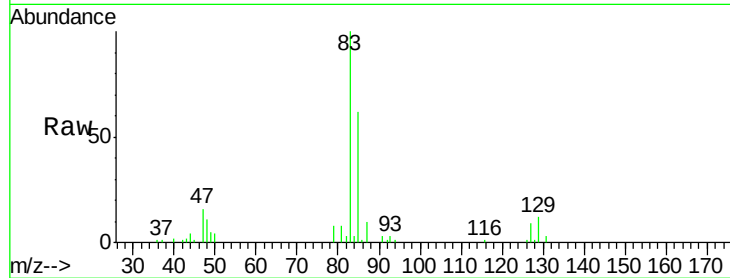
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	40387
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4
127	8.7	7.1	10.7

Manual Integrations
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9/19/2018 4:57:48 PM



#48

Methyl methacrylate

Concen: 3.43 ug/l

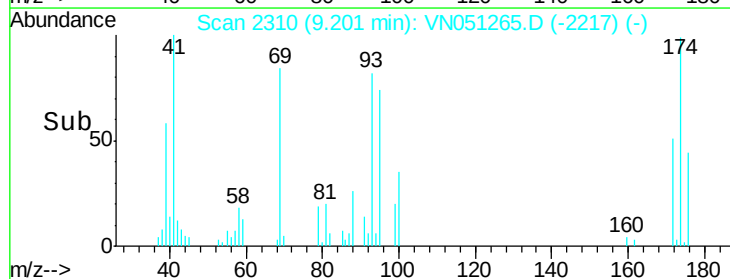
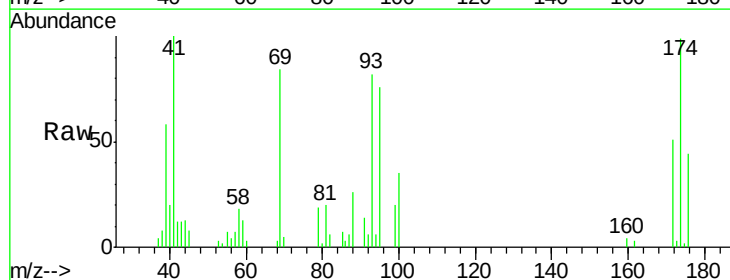
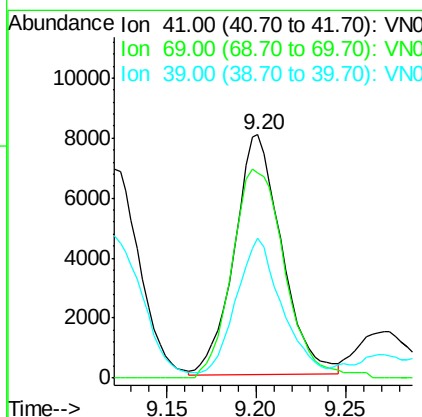
RT: 9.20 min Scan# 2310

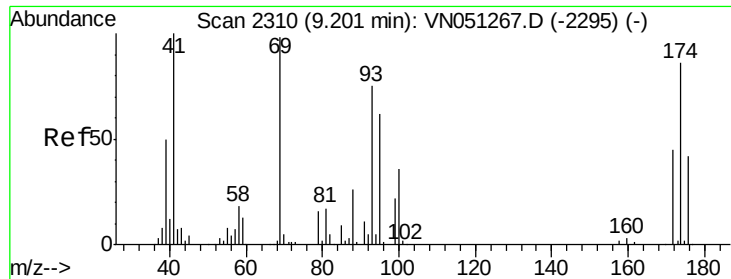
Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tgt Ion:	41	Resp:	14878
Ion	Ratio	Lower	Upper
41	100		
69	96.2	78.9	118.3
39	57.6	42.2	63.2





#49

1,4-Dioxane

Concen: 63.13 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

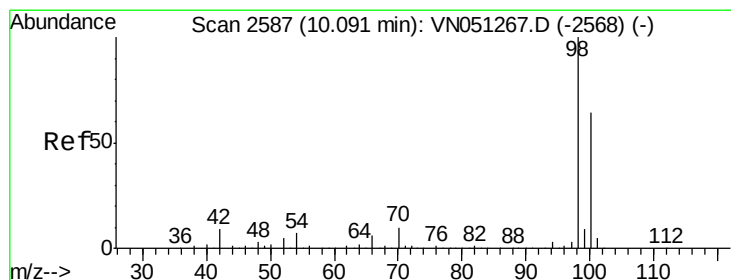
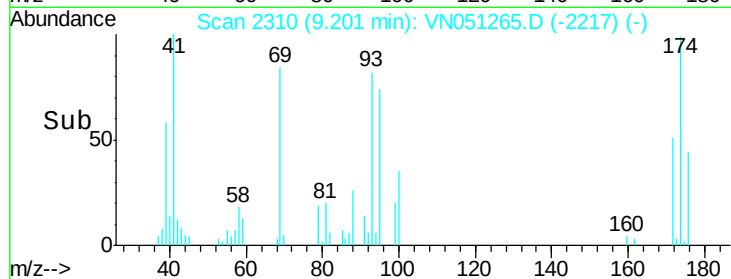
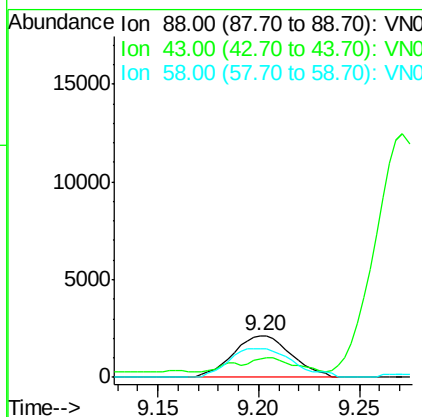
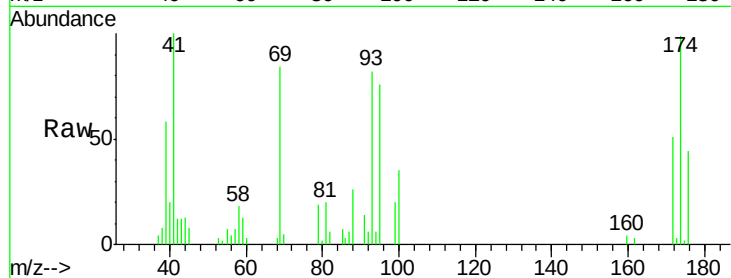
ClientSampleId :

VSTDIC005

Tot Ion	88	Resp	4266
Ion	Ratio	Lower	Upper
88	100		
43	23.1	25.3	37.9#
58	75.7	54.9	82.3

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#50

Toluene-d8

Concen: 4.44 ug/l

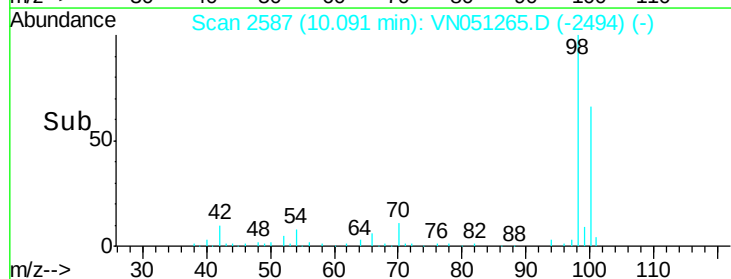
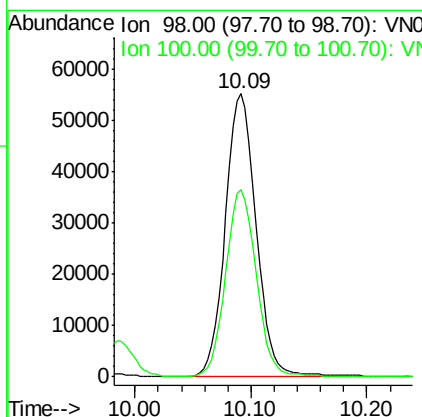
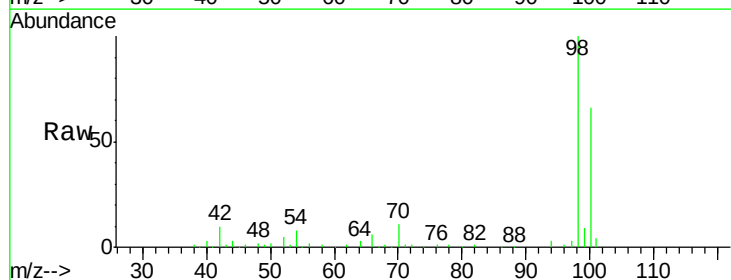
RT: 10.09 min Scan# 2587

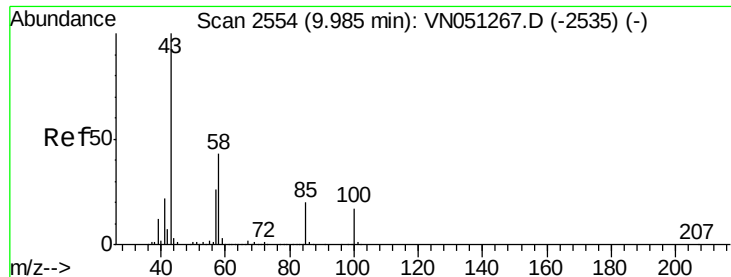
Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tgt Ion	98	Resp	102040
Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4





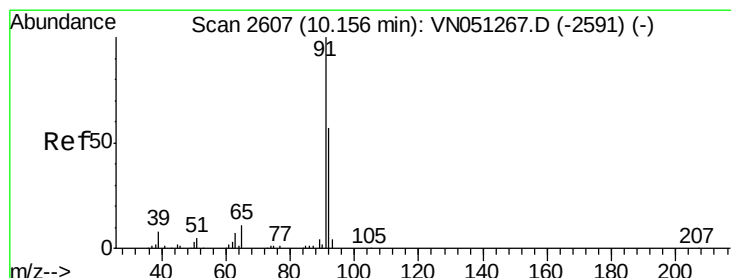
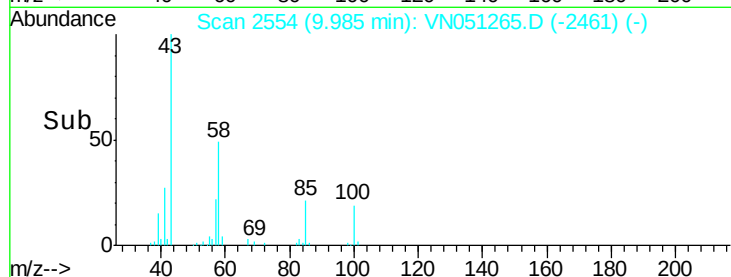
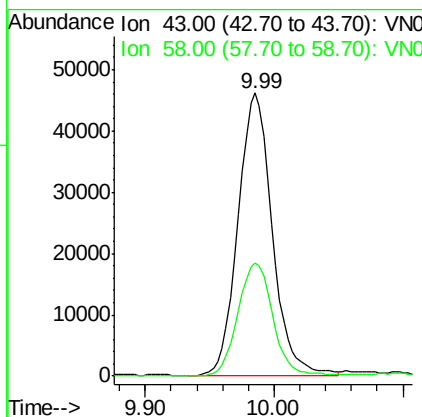
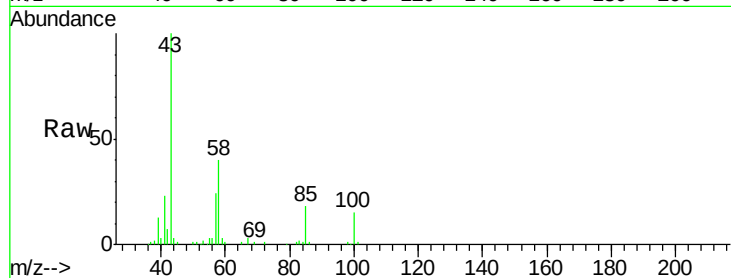
#51
4-Methyl-2-Pentanone
Concen: 17.49 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	85784
Ion Ratio	43	100	
Lower	58	40.6	33.8
Upper			50.6

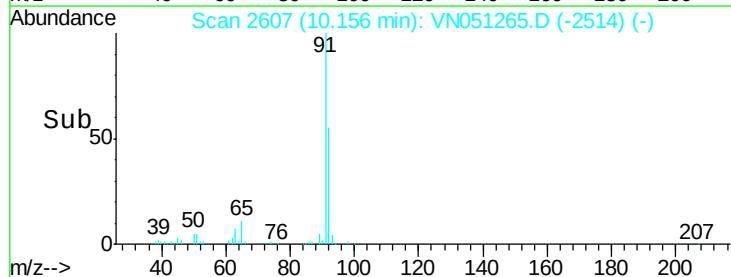
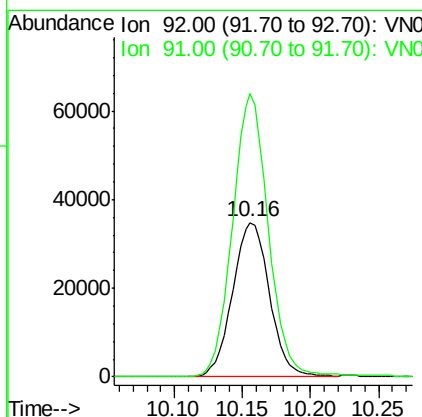
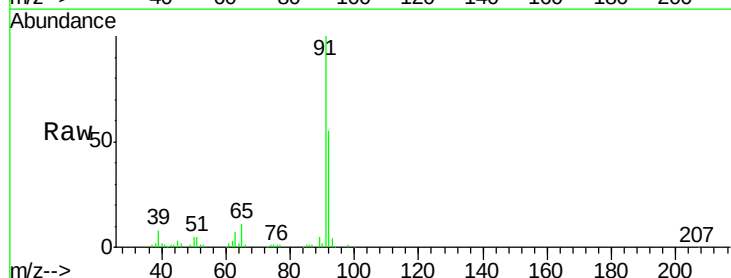
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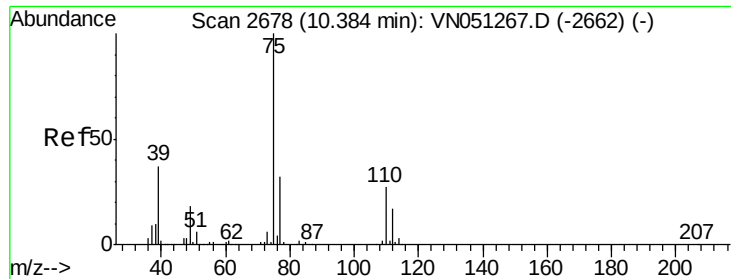
MMDadoda
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#52
Toluene
Concen: 4.03 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	92	Resp	65517
Ion Ratio	92	100	
Lower	91	177.9	139.2
Upper			208.8





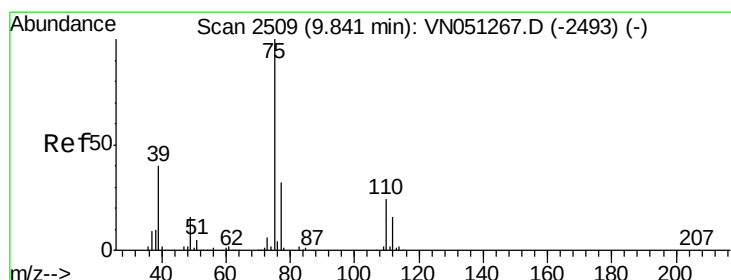
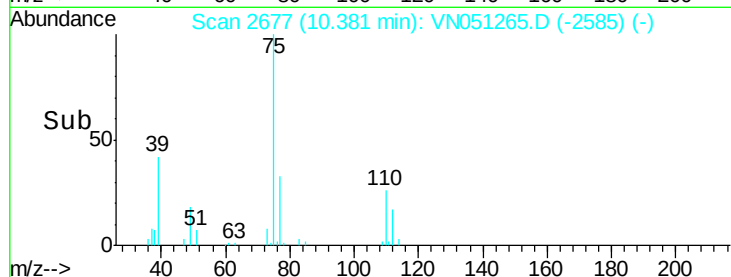
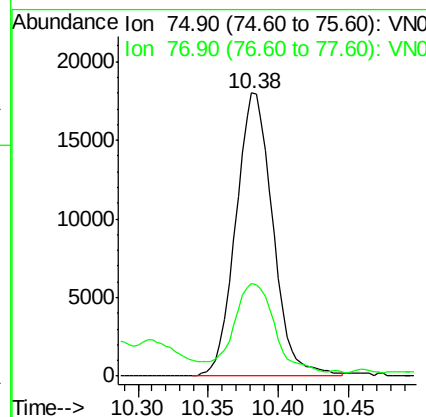
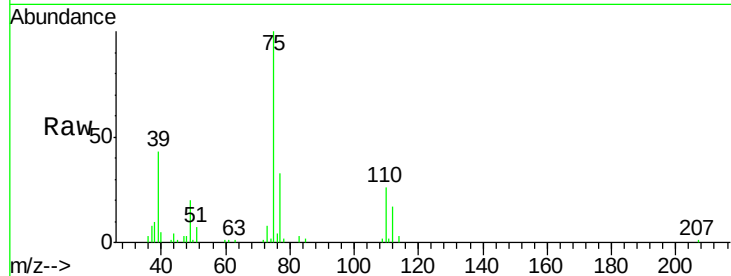
#53
t-1,3-Dichloropropene
Concen: 3.88 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

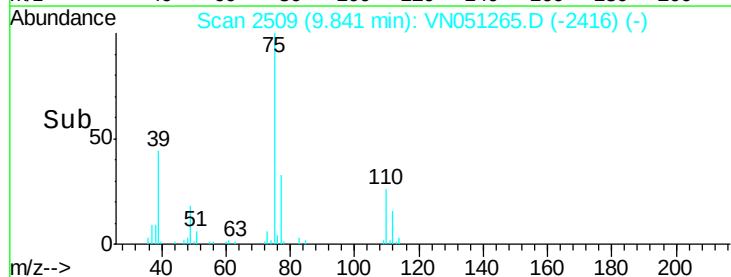
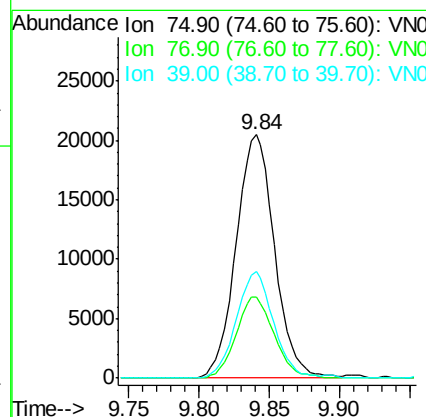
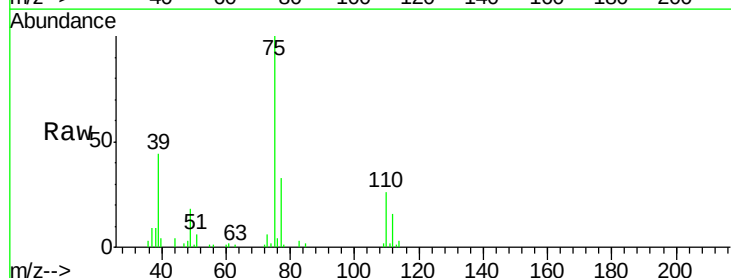
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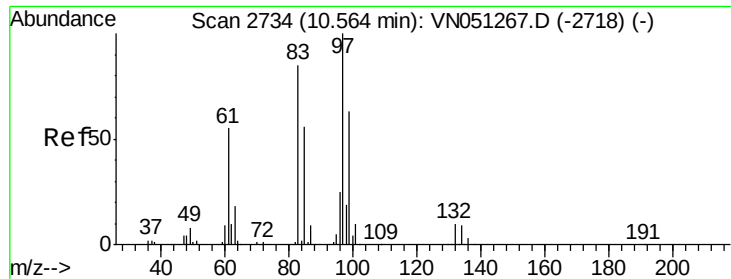
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 3.89 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.8	38.8
39	43.6	31.8	47.8





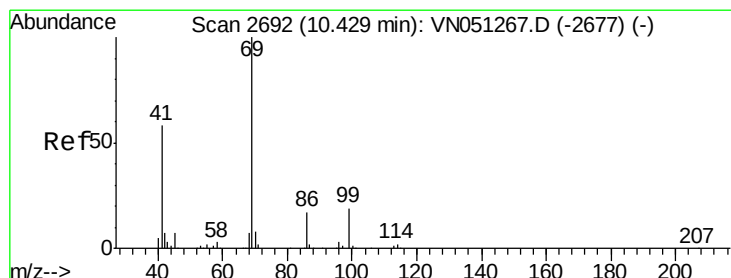
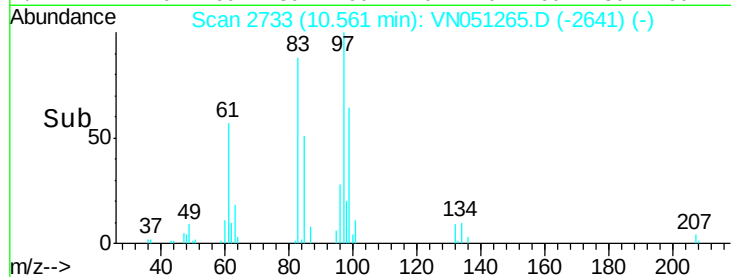
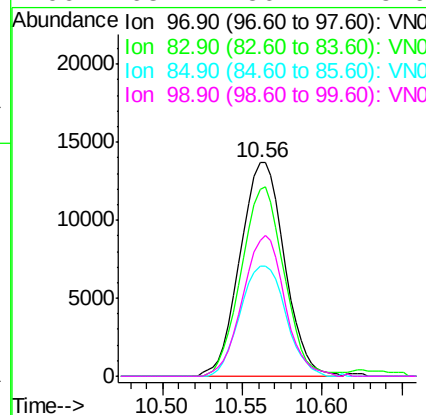
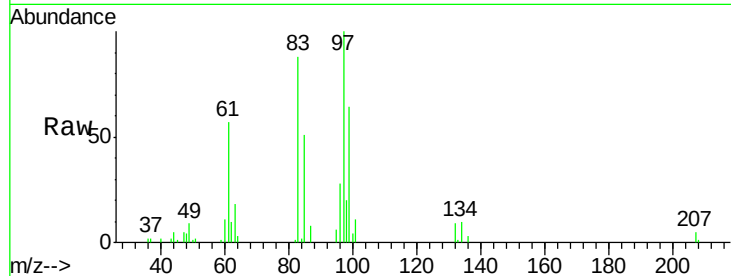
#55
 1,1,2-Trichloroethane
 Concen: 4.41 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	51.3	44.5	66.7
99	63.7	50.4	75.6

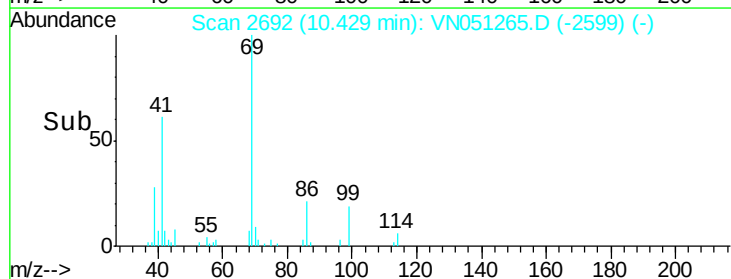
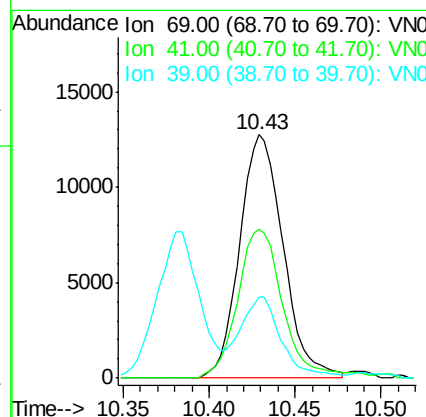
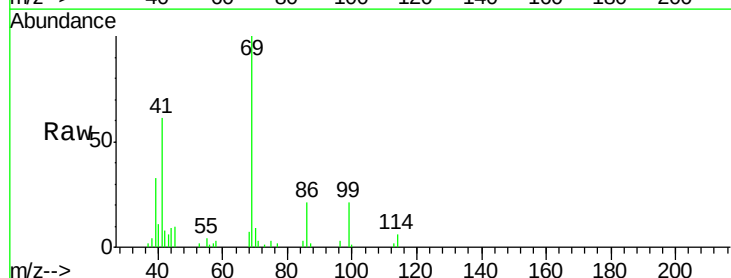
Manual Integrations
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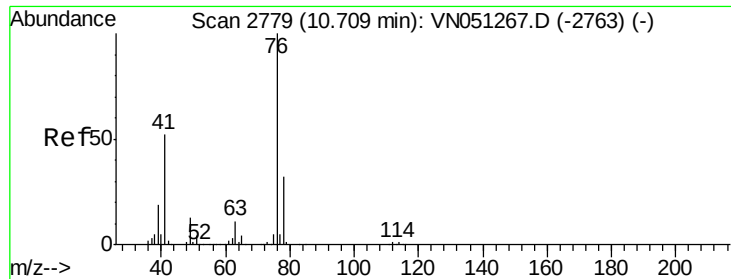
MMDadoda
 9/19/2018 4:57:48 PM



#56
 Ethyl methacrylate
 Concen: 3.22 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	47.4	71.0
39	31.3	23.7	35.5





#57

1,3-Dichloropropane

Concen: 4.06 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 39611

Ion Ratio Lower Upper

76 100

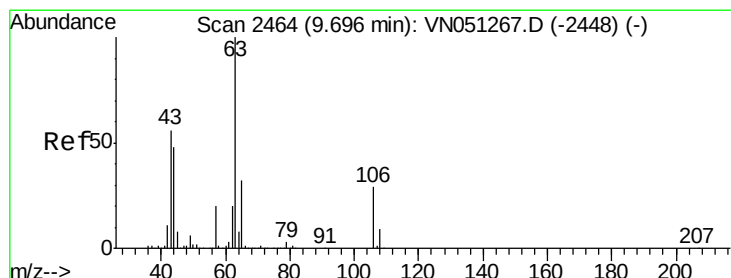
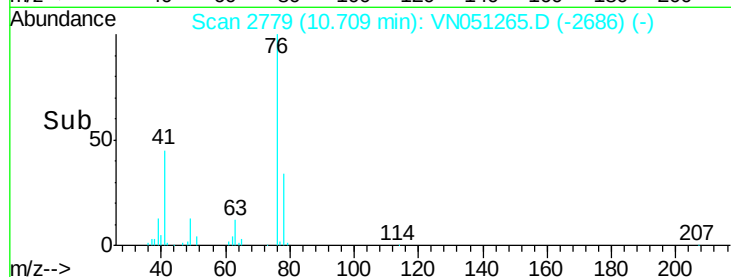
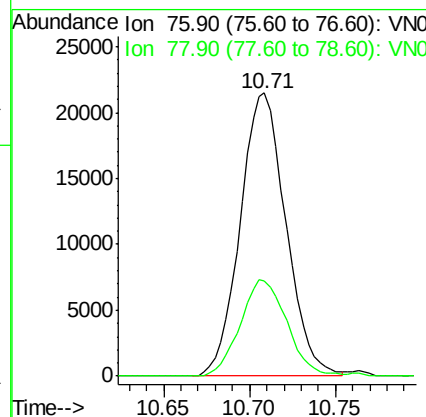
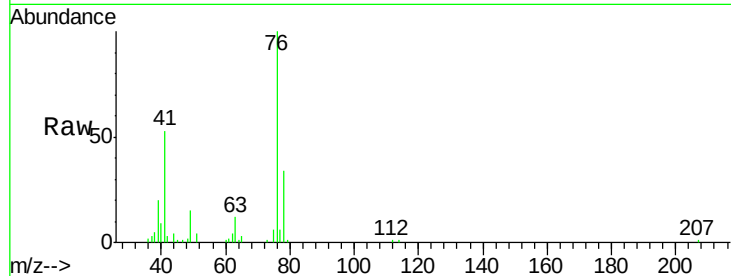
78 34.7 25.8 38.6

Manual Integrations

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9/19/2018 4:57:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 12.84 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051265.D

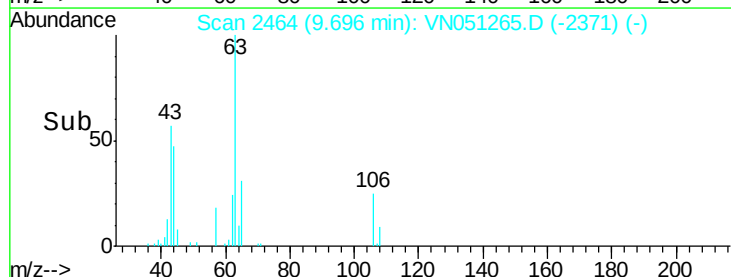
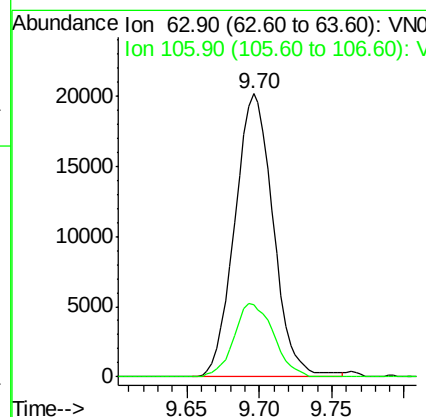
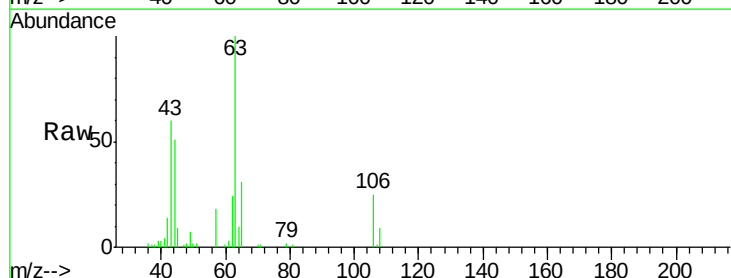
Acq: 17 Sep 2018 10:46

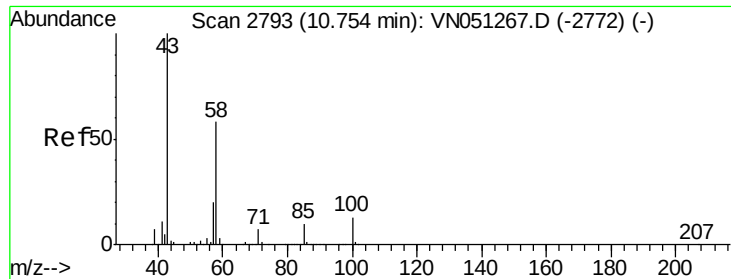
Tgt Ion: 63 Resp: 37164

Ion Ratio Lower Upper

63 100

106 26.7 23.4 35.2





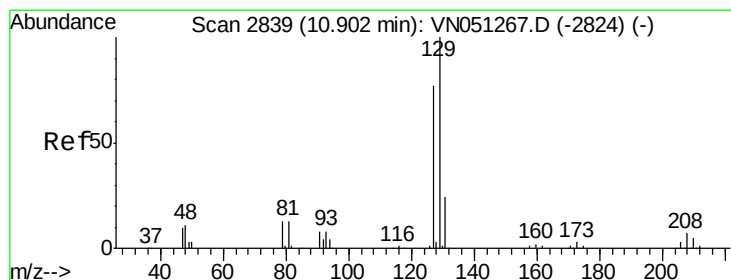
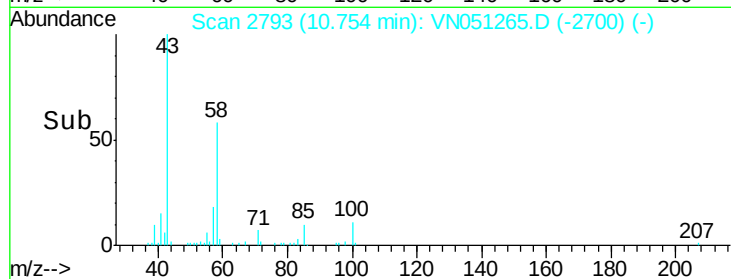
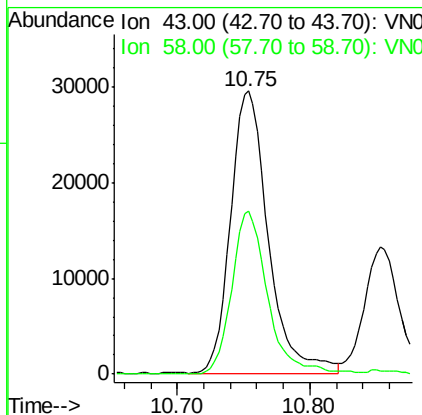
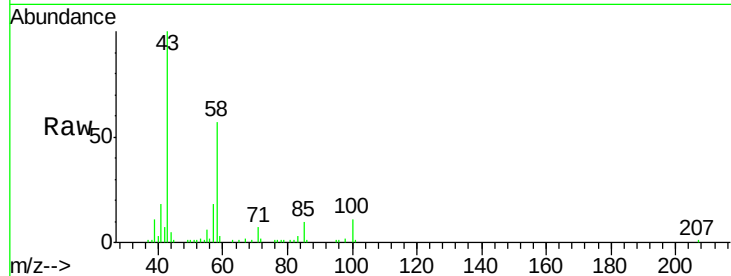
#59
2-Hexanone
Concen: 17.78 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43.00	Resp	58849
Ion Ratio	43	100	
Lower	28.9		
Upper	86.8		

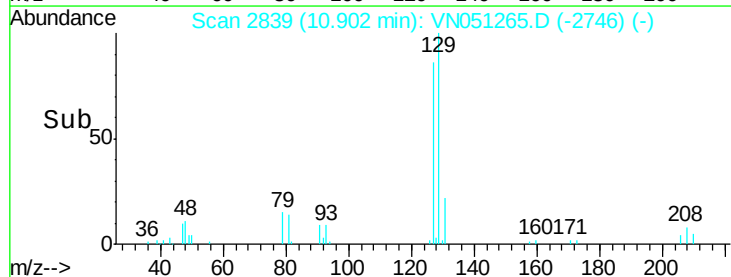
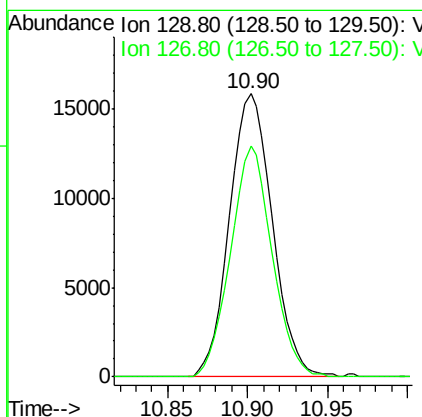
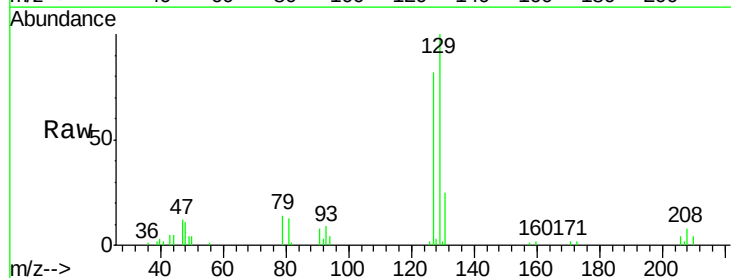
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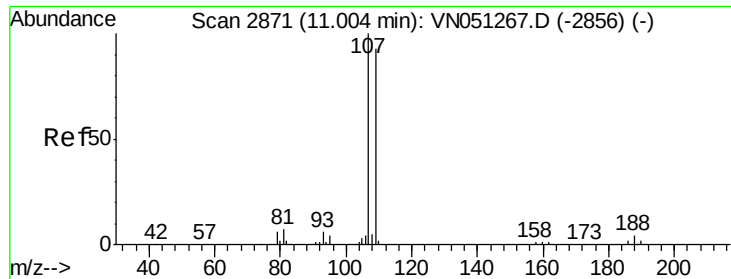
MMDadoda
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#60
Dibromochloromethane
Concen: 4.32 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	129	Resp	28941
Ion Ratio	129	100	
Lower	38.3		
Upper	114.9		





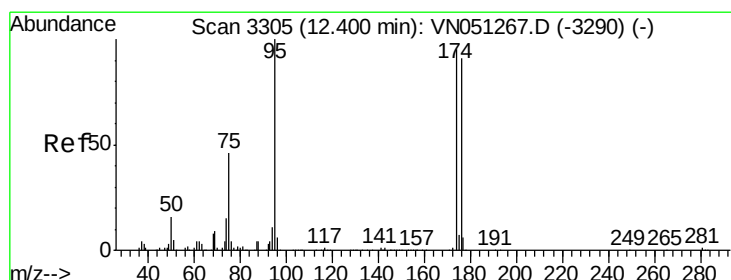
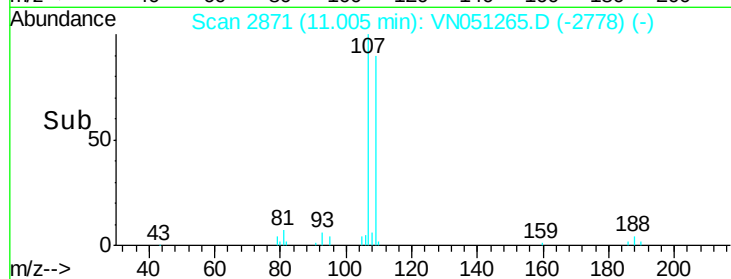
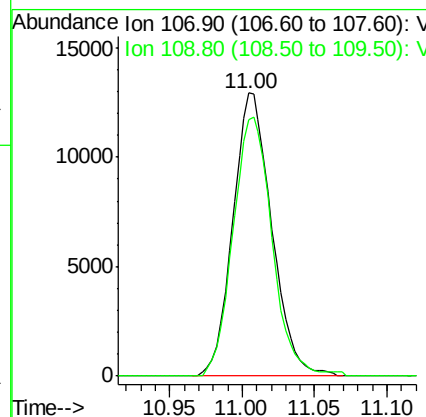
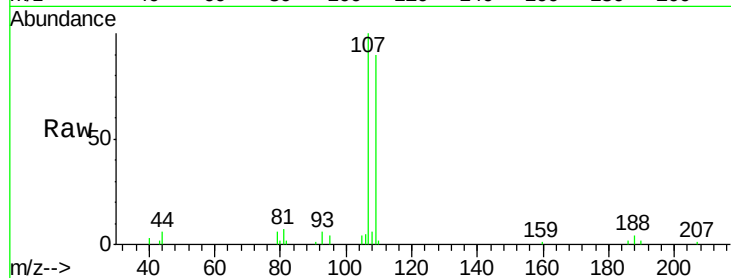
#61
 1,2-Dibromoethane
 Concen: 4.16 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 24016
 Ion Ratio Lower Upper
 107 100
 109 92.0 74.7 112.1

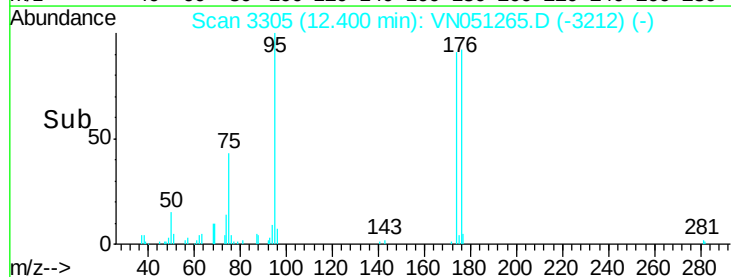
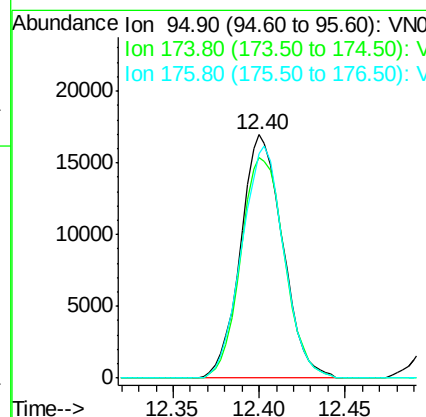
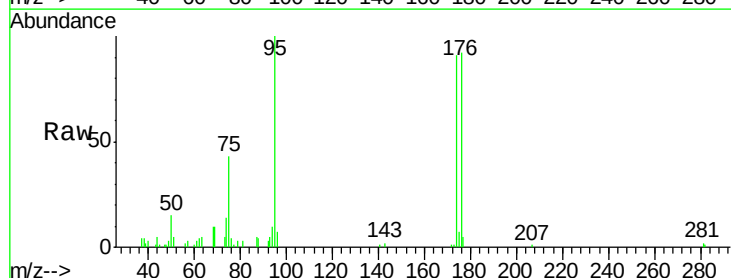
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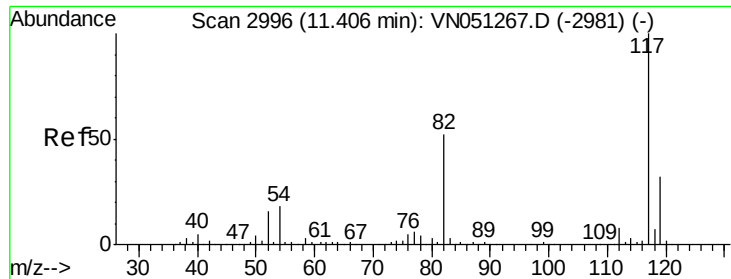
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#62
 4-Bromofluorobenzene
 Concen: 3.82 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion: 95 Resp: 28895
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 189.6
 176 95.3 0.0 182.6





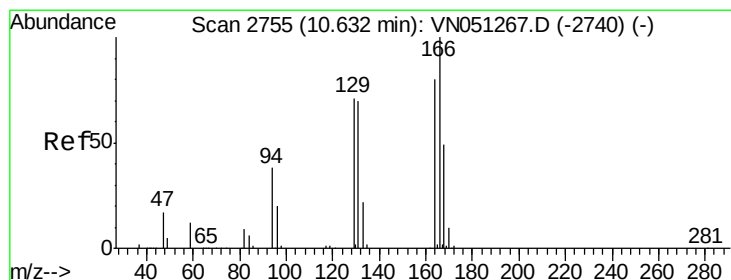
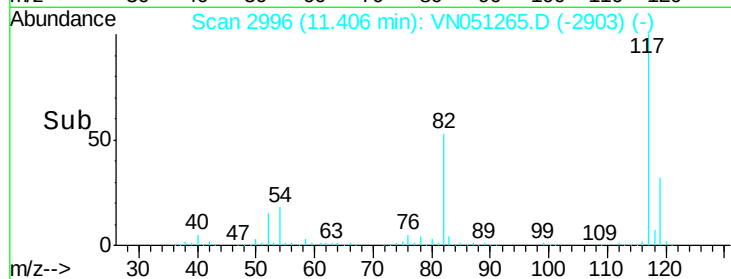
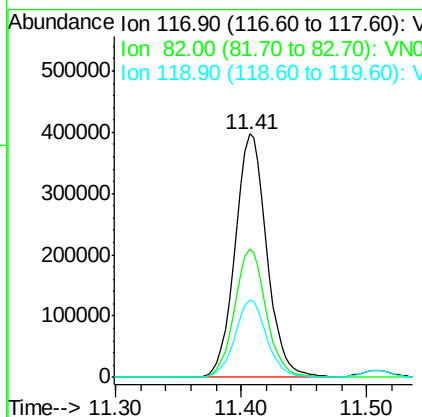
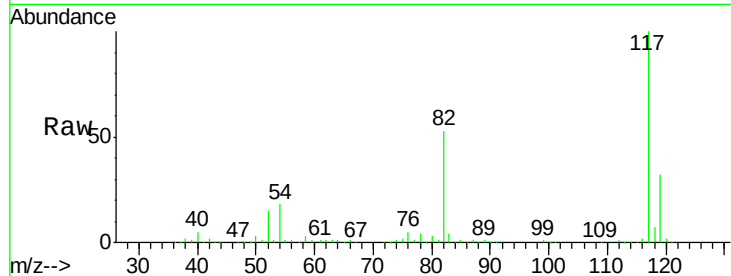
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	31.7	25.6	38.4

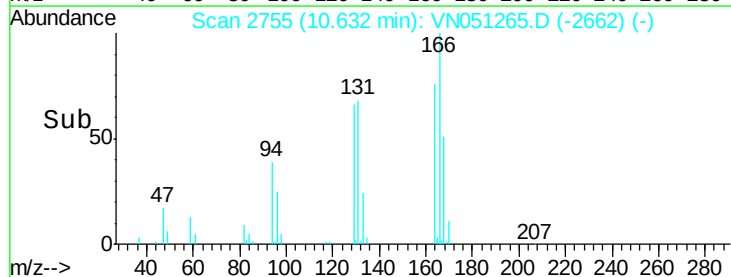
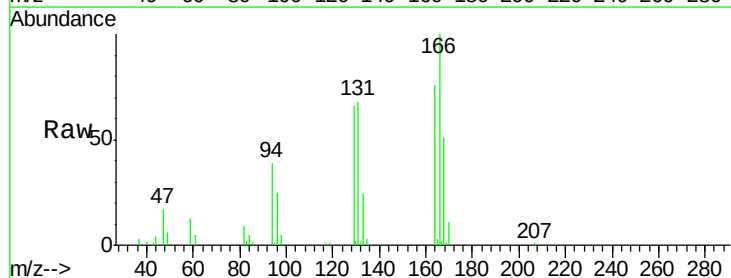
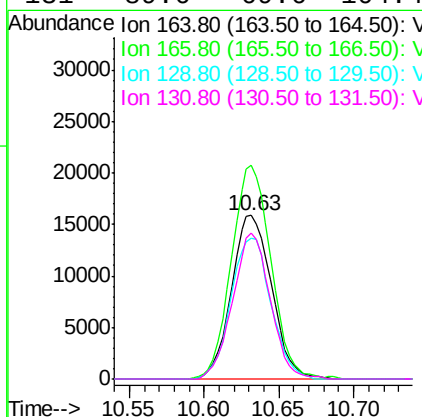
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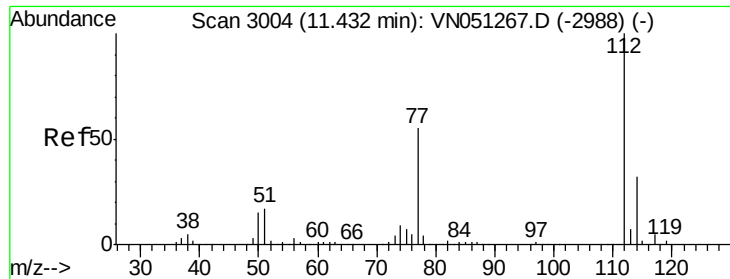
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#64
Tetrachloroethene
Concen: 4.58 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	100.0	150.0
129	86.5	70.8	106.2
131	89.6	69.6	104.4





#65

Chlorobenzene

Concen: 4.39 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 77560

Ion Ratio Lower Upper

112 100

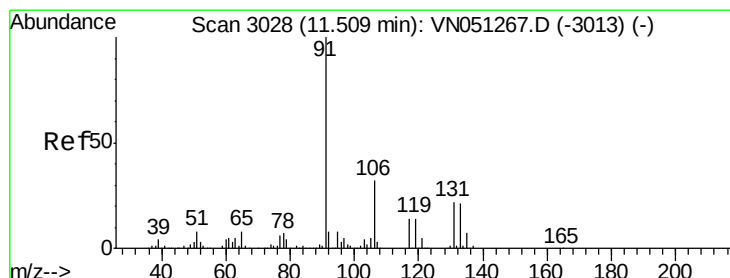
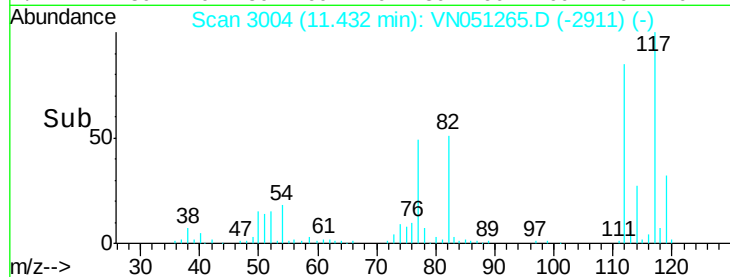
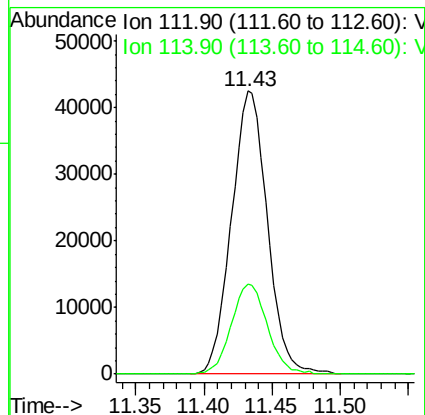
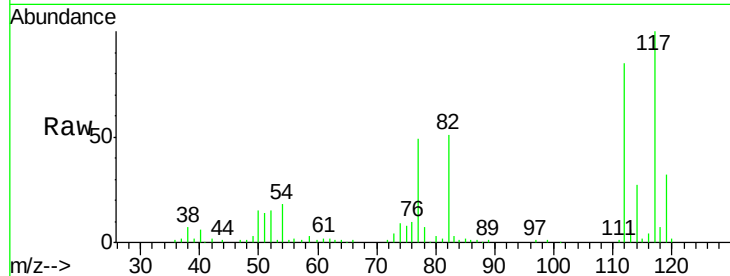
114 31.9 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.76 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

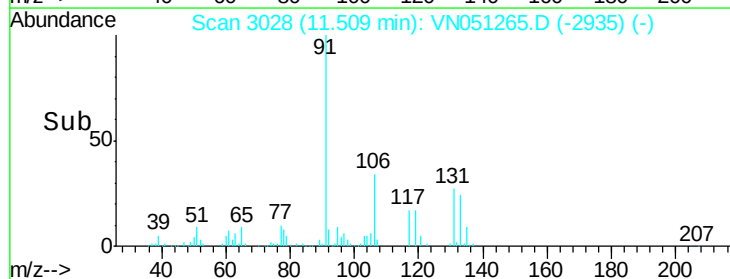
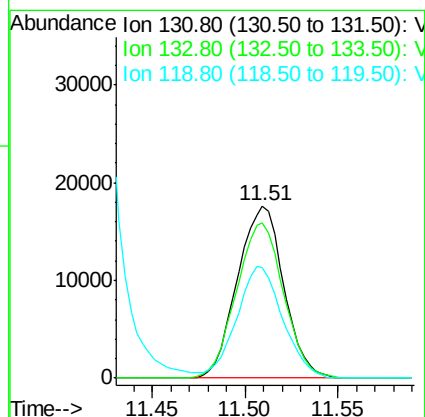
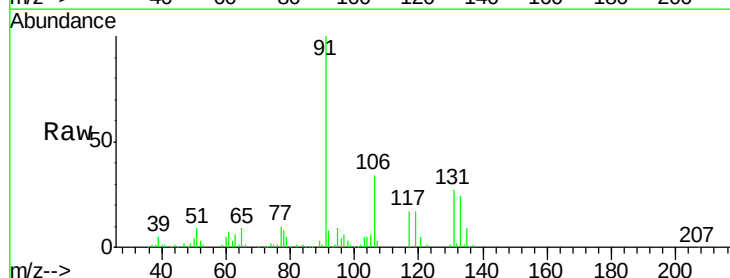
Tgt Ion:131 Resp: 30466

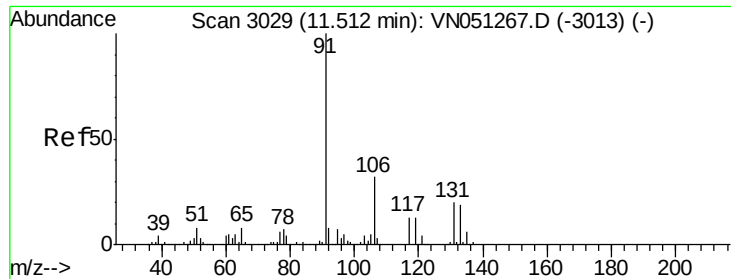
Ion Ratio Lower Upper

131 100

133 92.0 47.9 143.7

119 64.8 32.6 98.0





#67

Ethyl Benzene

Concen: 3.97 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 113634

Ion Ratio Lower Upper

91 100

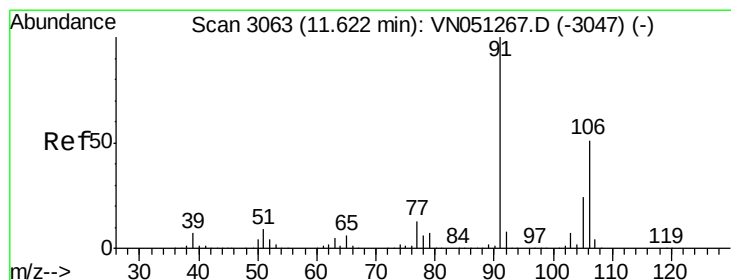
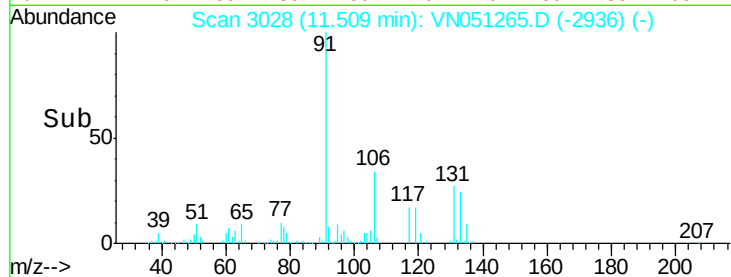
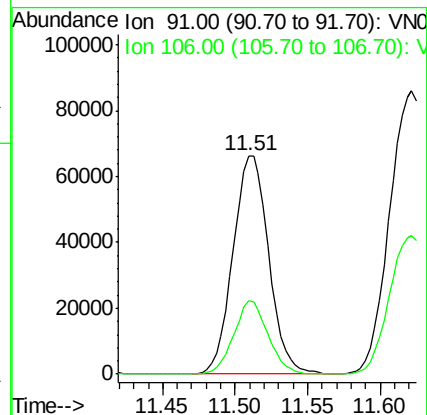
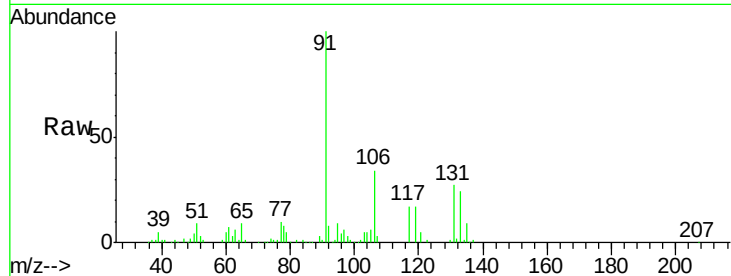
106 33.6 25.7 38.5

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#68

m/p-Xylenes

Concen: 7.59 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051265.D

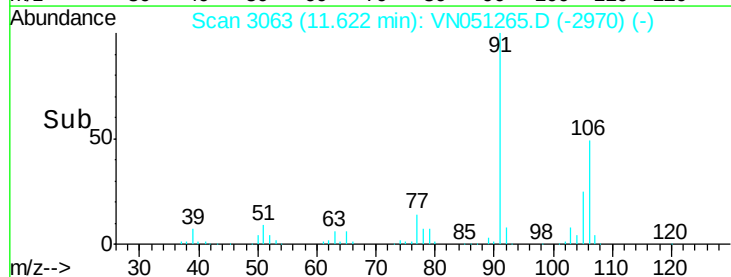
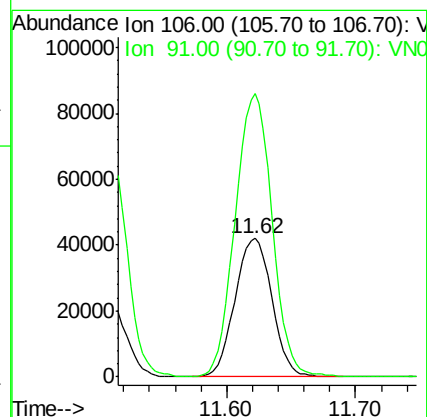
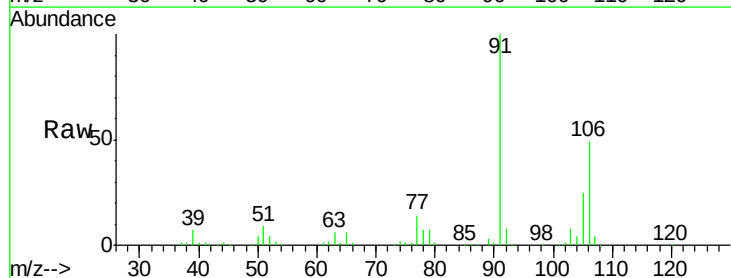
Acq: 17 Sep 2018 10:46

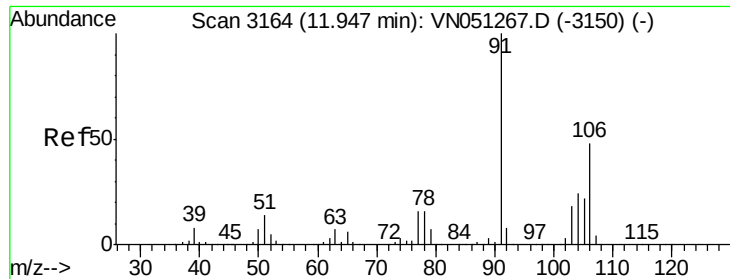
Tgt Ion: 106 Resp: 83550

Ion Ratio Lower Upper

106 100

91 204.9 158.6 238.0





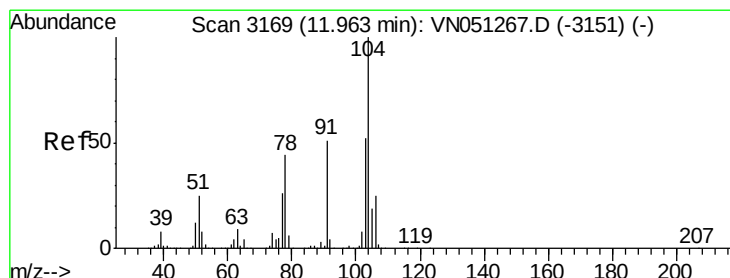
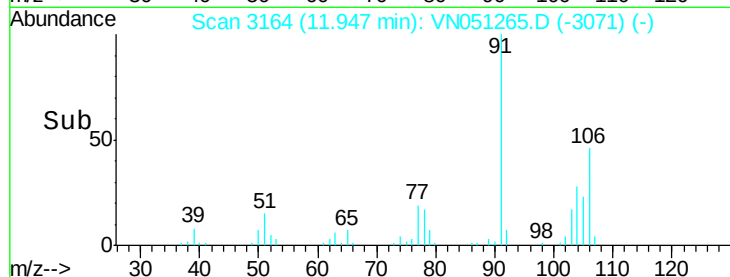
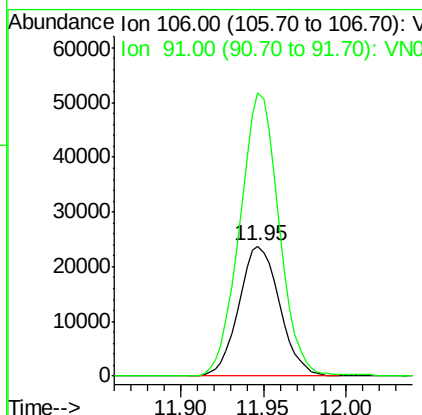
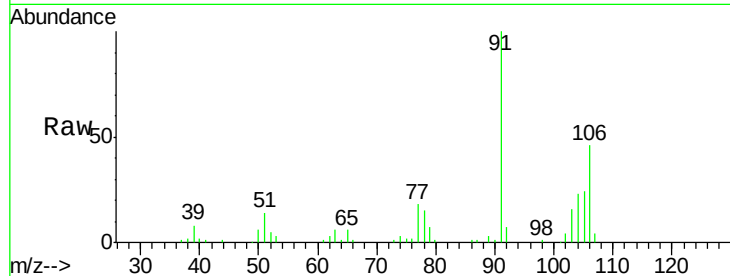
#69
o-Xylene
Concen: 3.83 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.0	104.1	312.3	

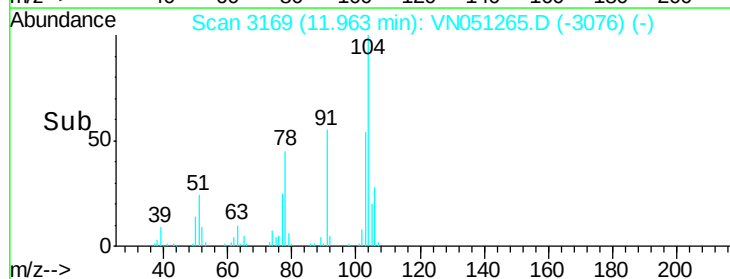
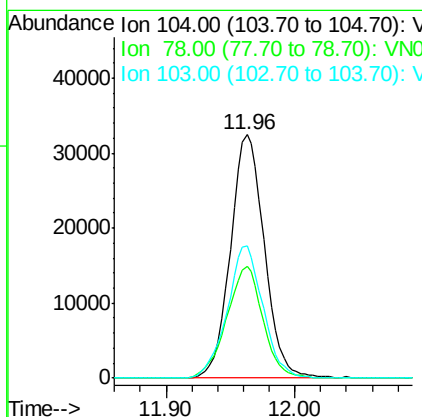
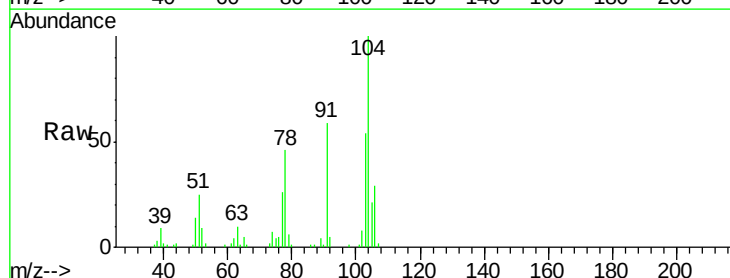
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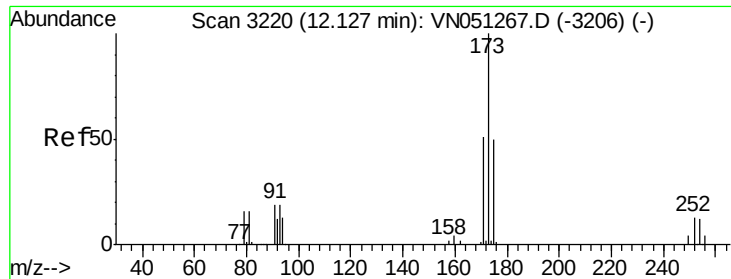
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#70
Styrene
Concen: 3.59 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.9	38.1	57.1	
103	57.4	44.8	67.2	





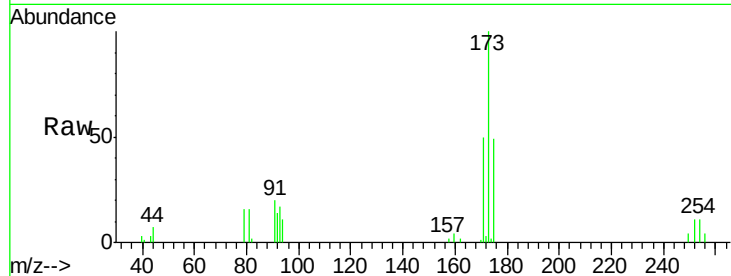
#71
Bromoform
Concen: 4.33 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

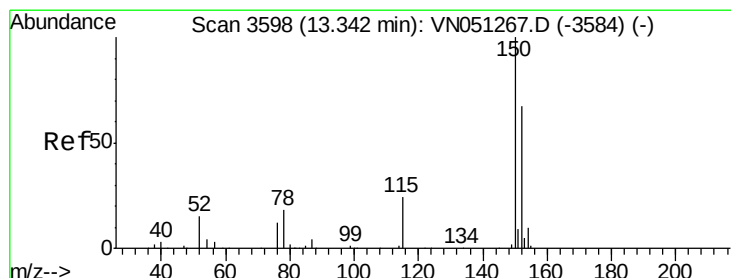
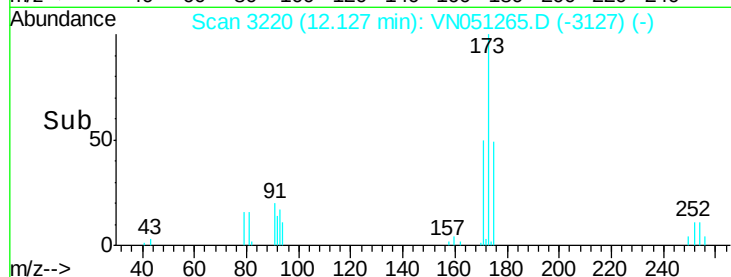
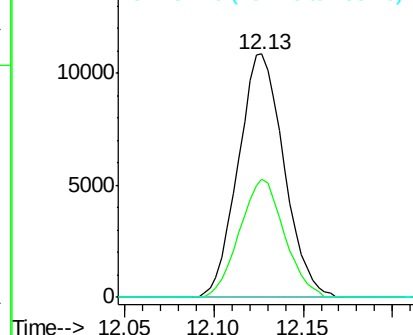
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.4	73.2
254	0.0	0.1	0.1#

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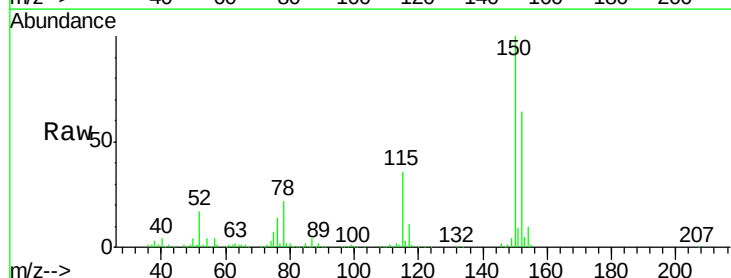


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

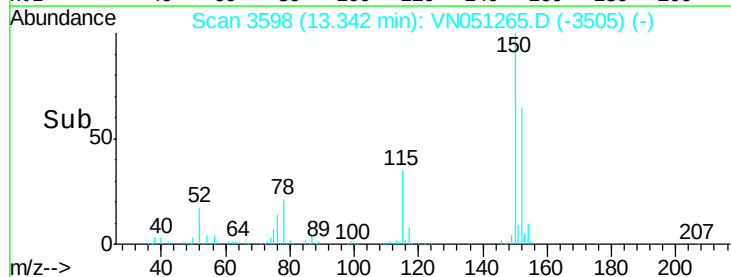
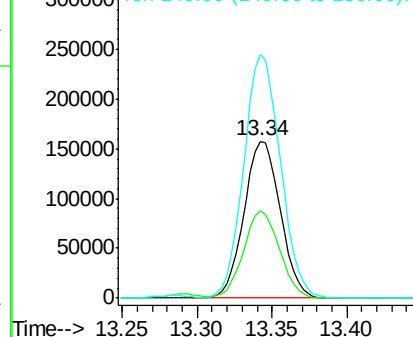


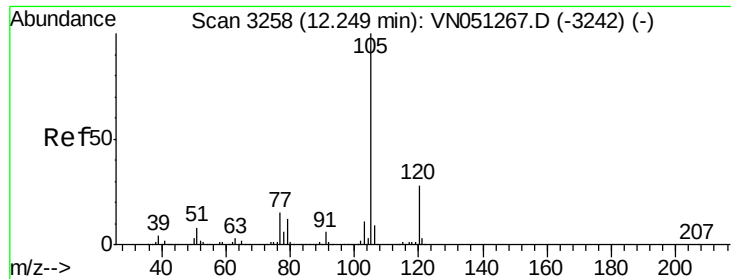
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.1	81.2
150	157.4	0.0	349.0



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





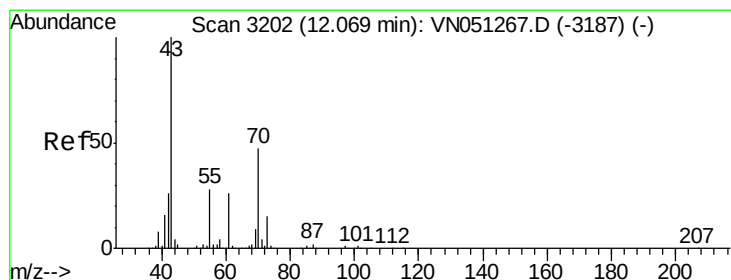
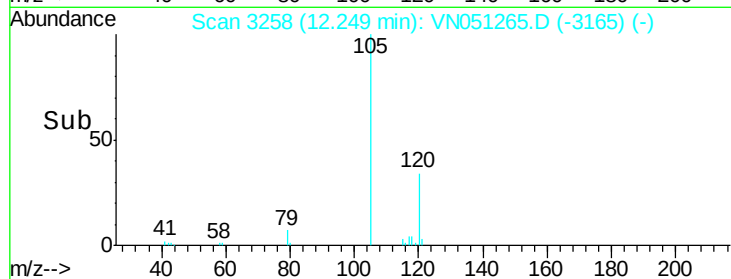
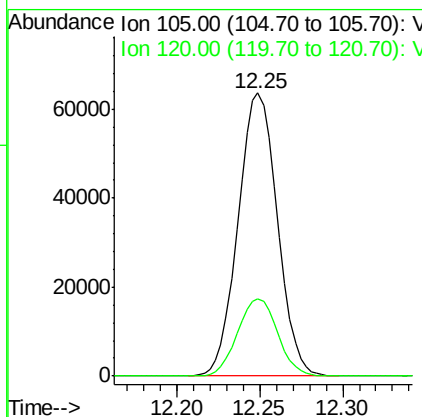
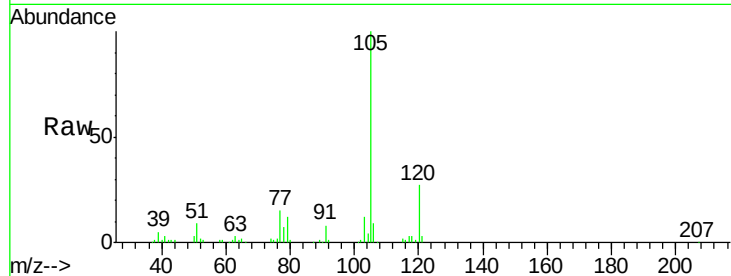
#73
Isopropylbenzene
Concen: 4.68 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.8	41.4

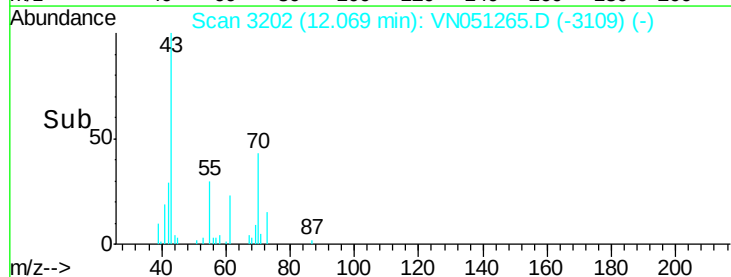
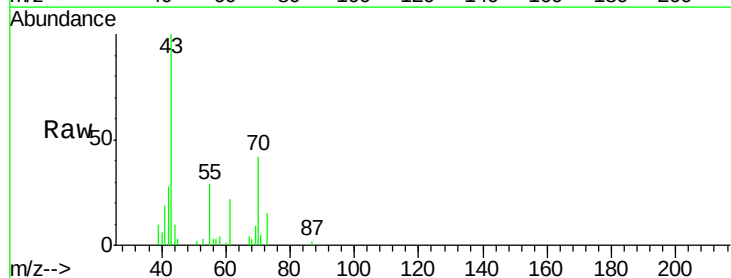
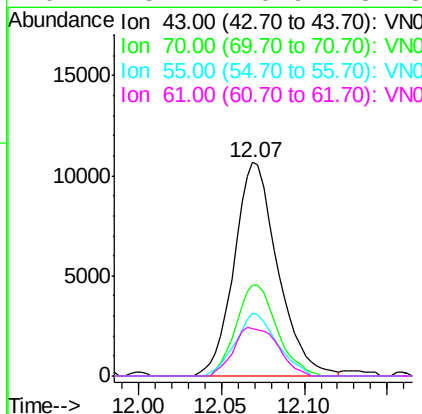
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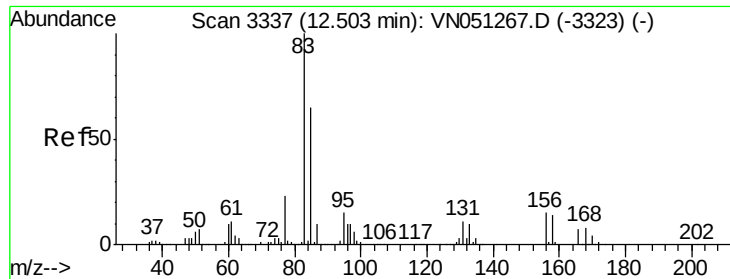
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#74
N-ethyl acetate
Concen: 3.55 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.9	37.8	56.6
55	27.9	22.6	34.0
61	23.4	20.9	31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.04 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

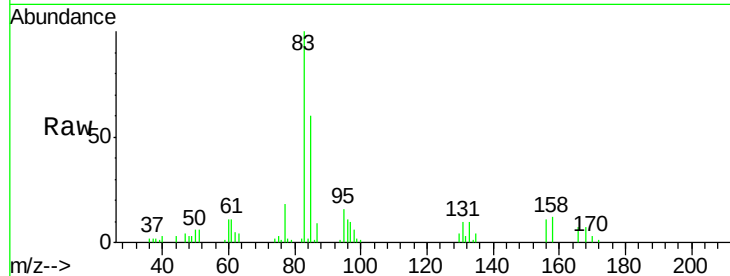
ClientSampleId :

VSTDIC005

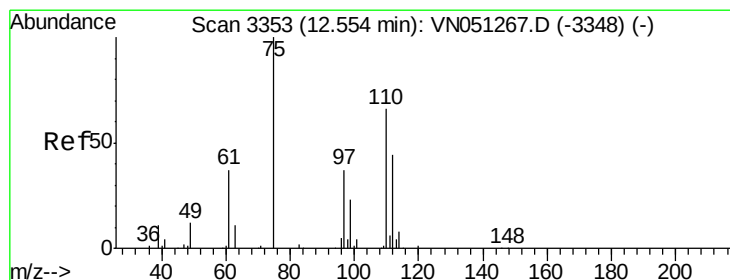
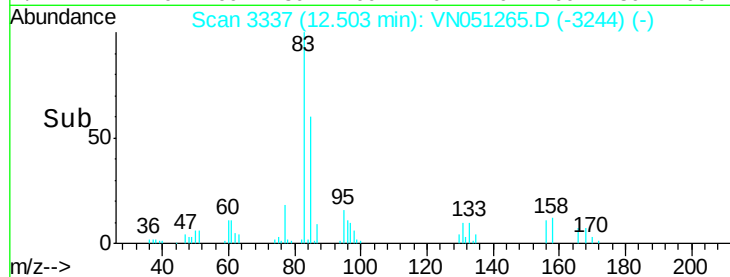
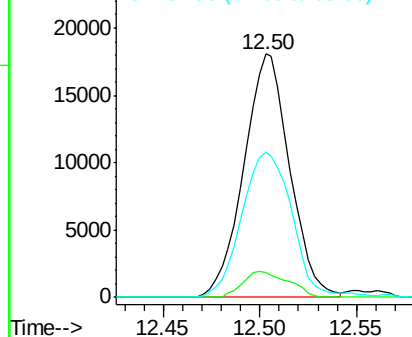
Tot Ion:	83	Resp:	29841
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.7
85	65.4	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 4.52 ug/l m

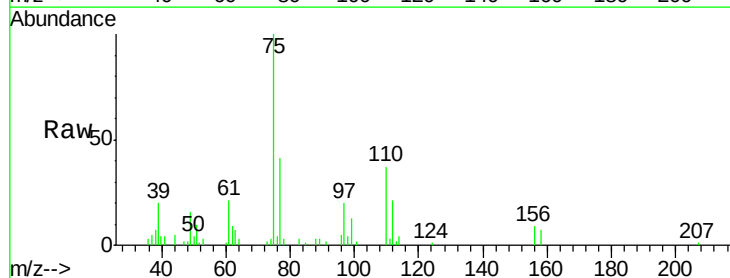
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

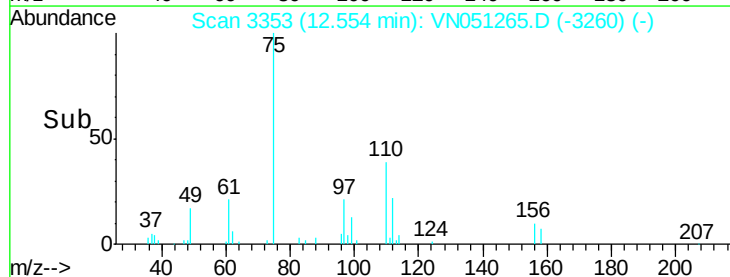
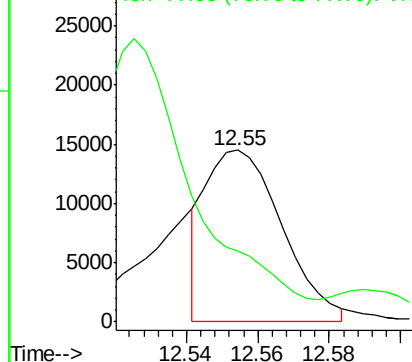
Lab File: VN051265.D

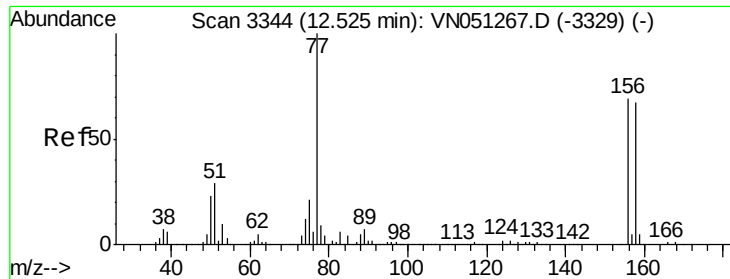
Acq: 17 Sep 2018 10:46

Tgt Ion:	75	Resp:	21486
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





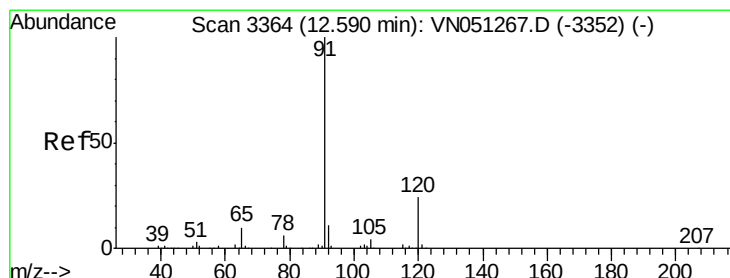
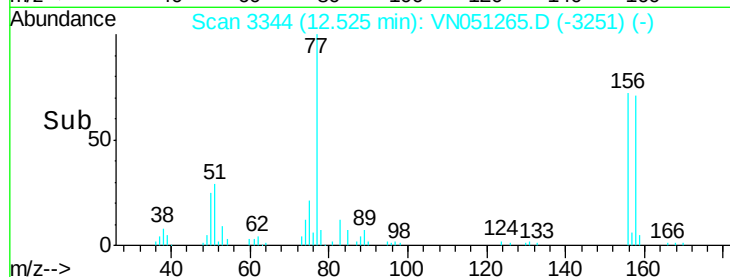
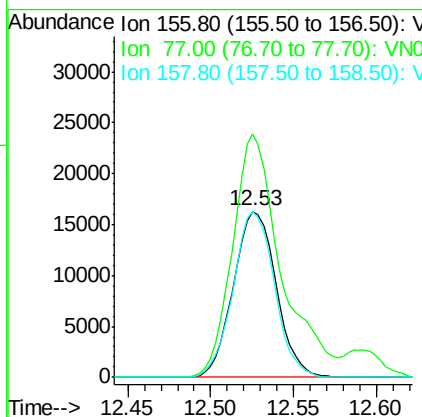
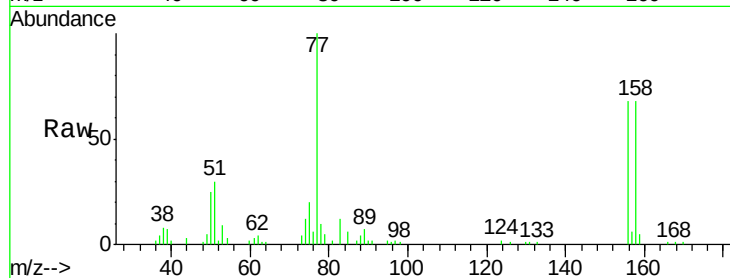
#77
Bromobenzene
Concen: 4.87 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	166.0	83.7	251.1	
158	96.3	49.0	147.2	

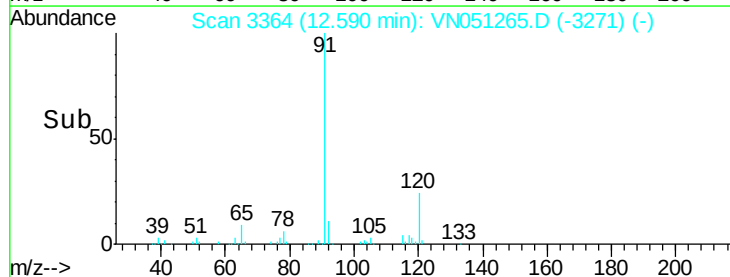
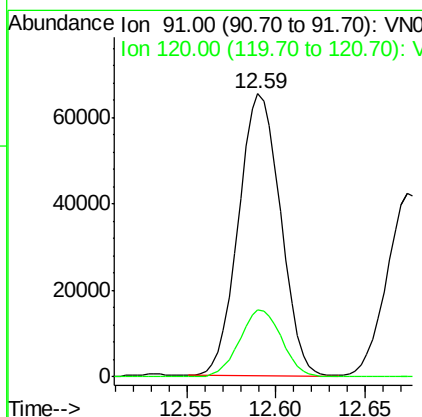
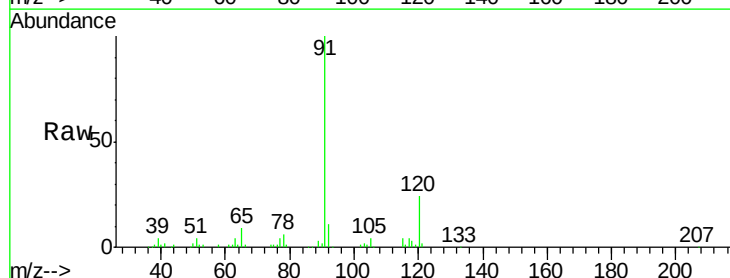
Manual Integrations
APPROVED

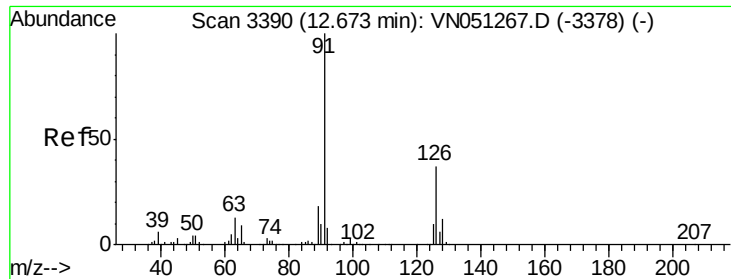
MMDadoda
9/19/2018 4:57:48 PM



#78
n-propylbenzene
Concen: 4.37 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	12.1	36.3	





#79

2-Chlorotoluene

Concen: 4.70 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 72321

Ion Ratio Lower Upper

91 100

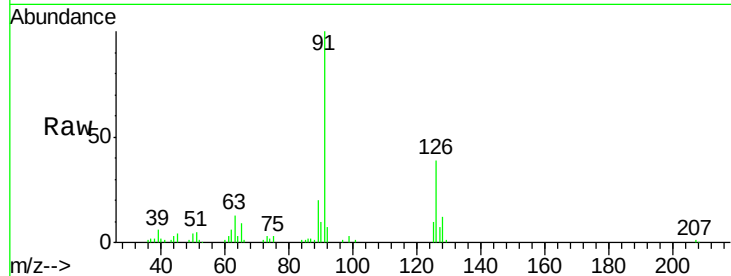
126 37.5 18.2 54.6

Manual Integrations

APPROVED

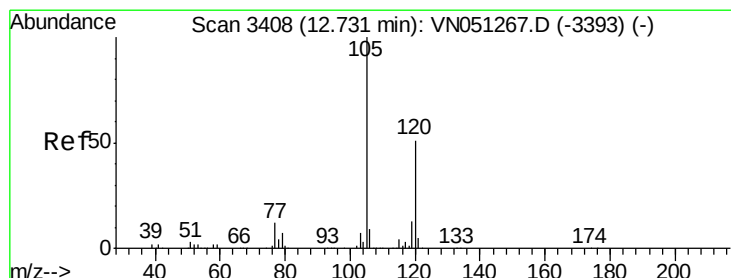
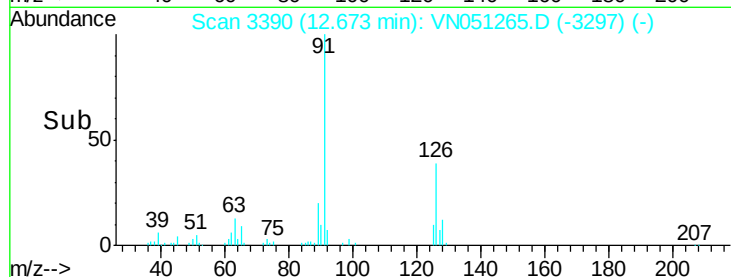
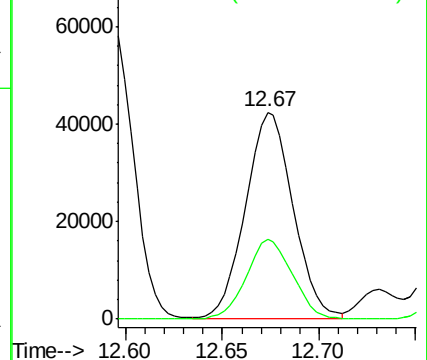
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Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051267.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.49 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051265.D

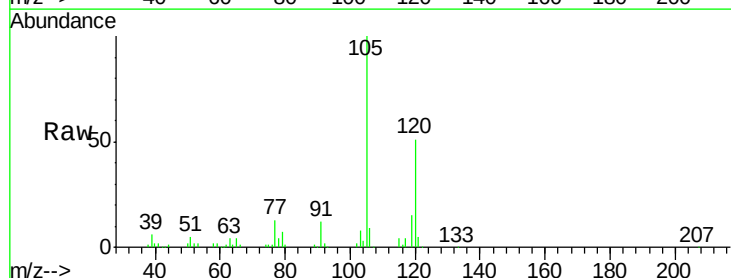
Acq: 17 Sep 2018 10:46

Tgt Ion: 105 Resp: 81301

Ion Ratio Lower Upper

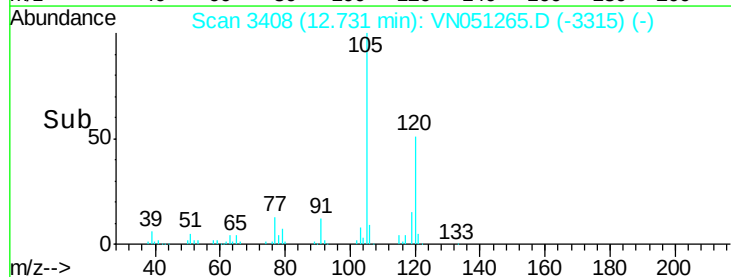
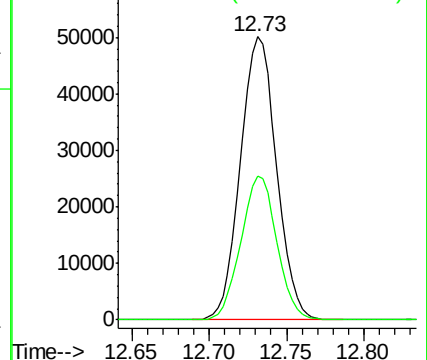
105 100

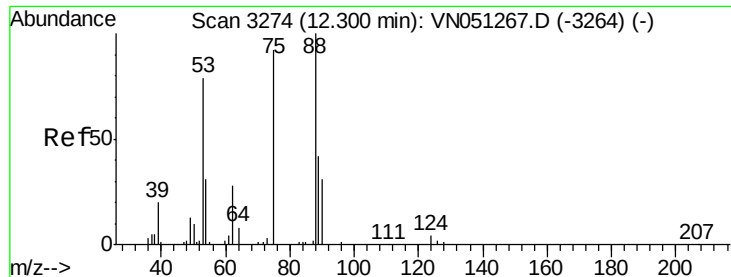
120 50.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN051267.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051267.D (-3393) (-)





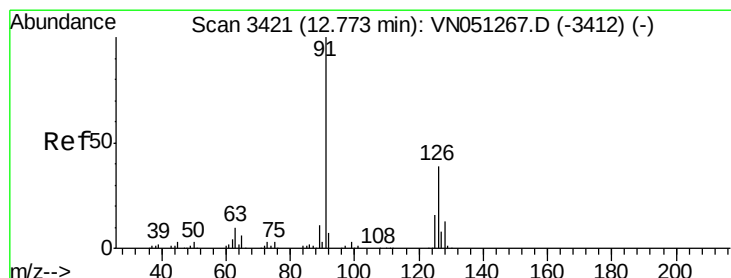
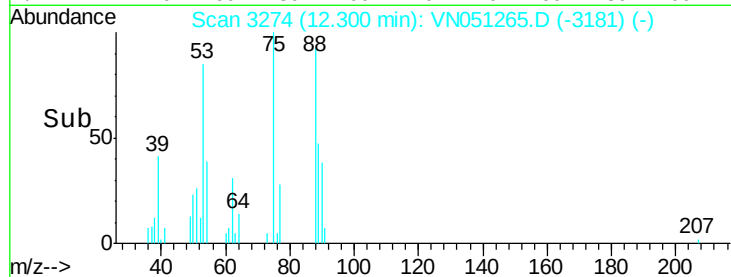
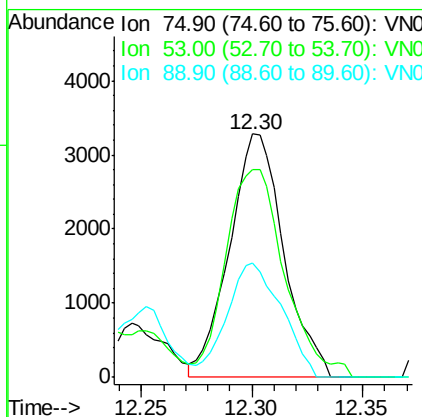
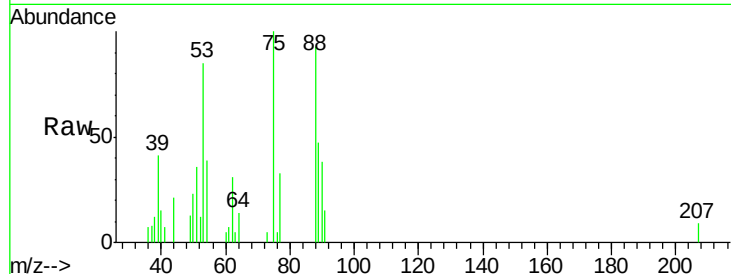
#81
trans-1,4-Dichloro-2-butene
Concen: 4.06 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	67.7	101.5
89	47.1	36.9	55.3

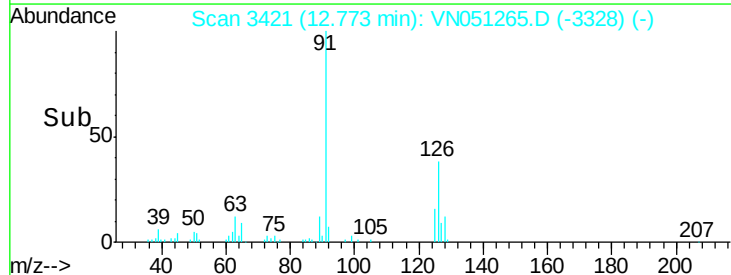
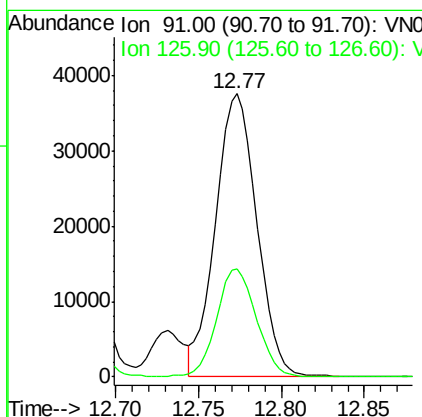
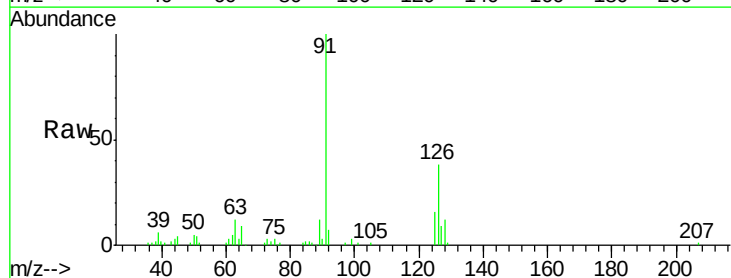
Manual Integrations
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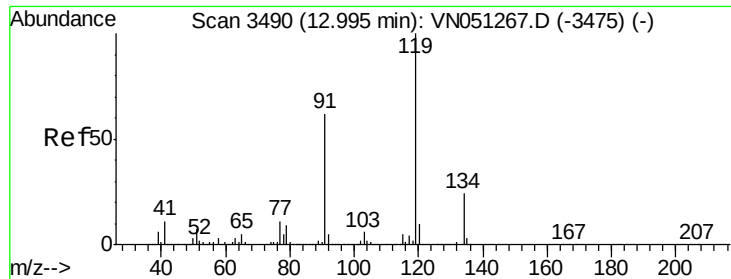
MMDadoda
9/19/2018 4:57:48 PM



#82
4-Chlorotoluene
Concen: 4.28 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051265.D
Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8





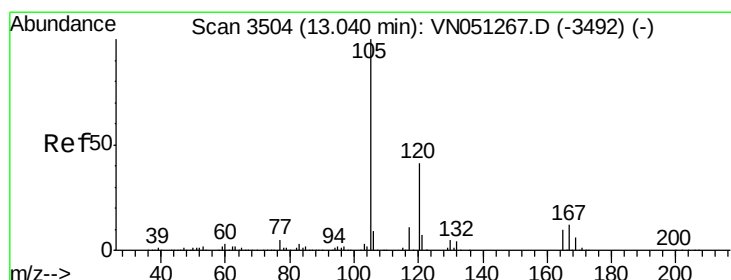
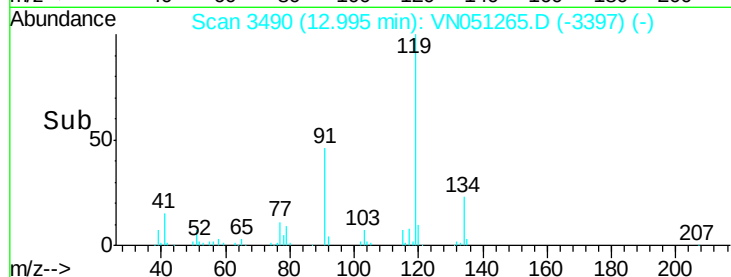
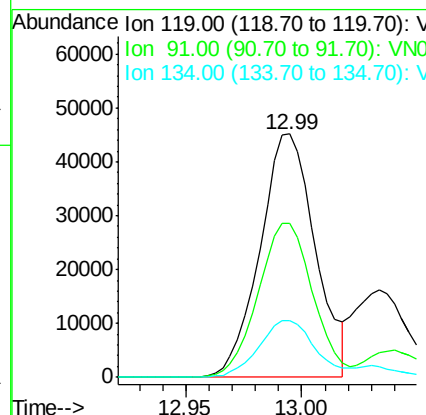
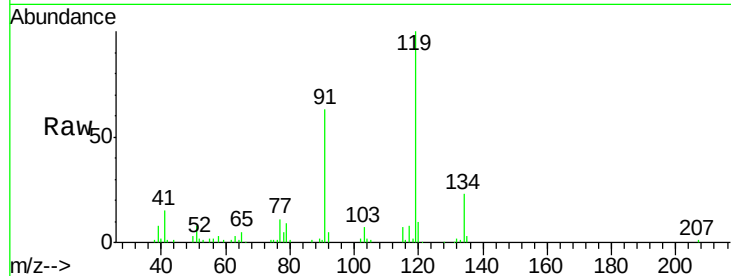
#83
 tert-Butylbenzene
 Concen: 4.69 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	30.8	92.4
134	23.8	12.4	37.0

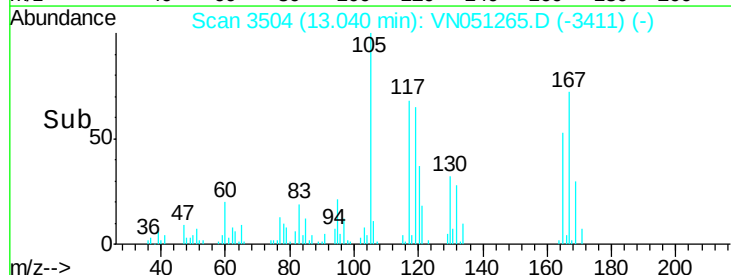
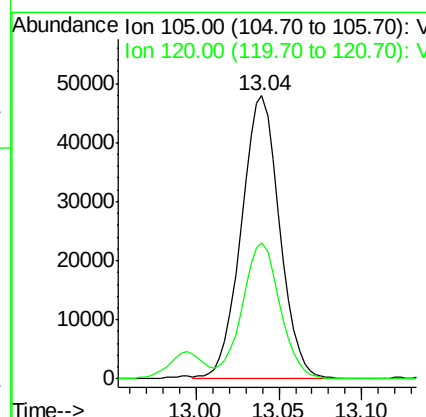
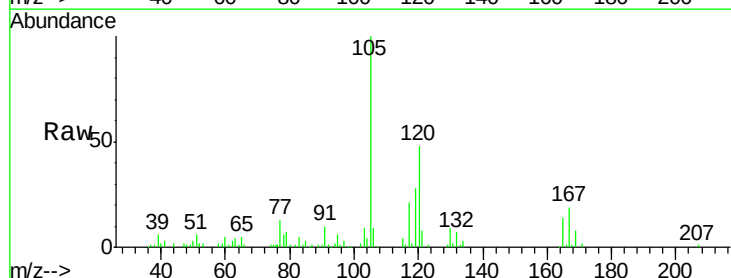
Manual Integrations
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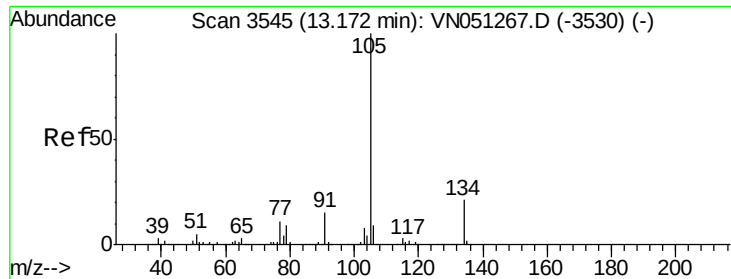
MMDadoda
 9/19/2018 4:57:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.32 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.5	70.6





#85

sec-Butylbenzene

Concen: 4.50 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 92343

Ion Ratio Lower Upper

105 100

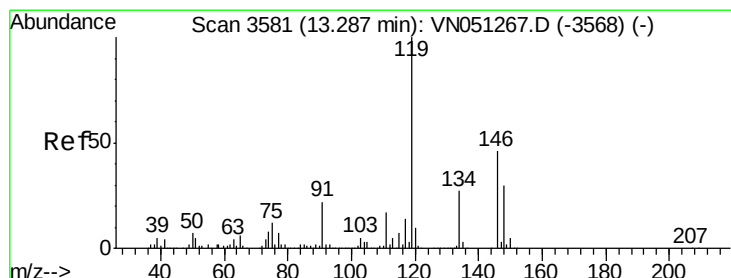
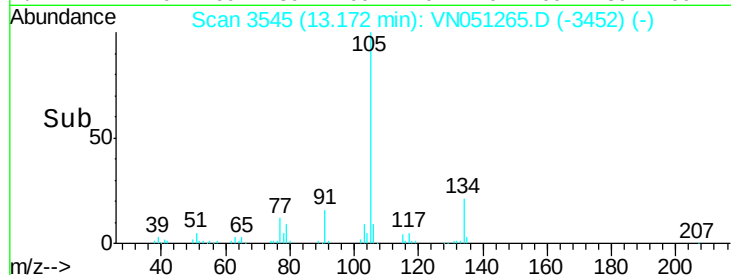
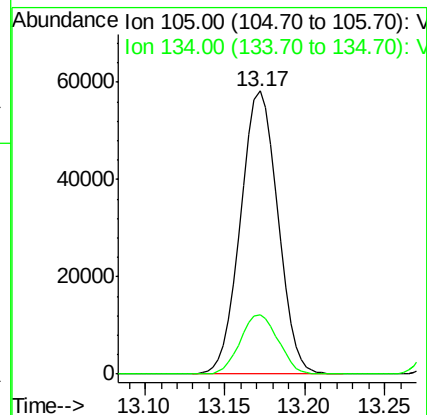
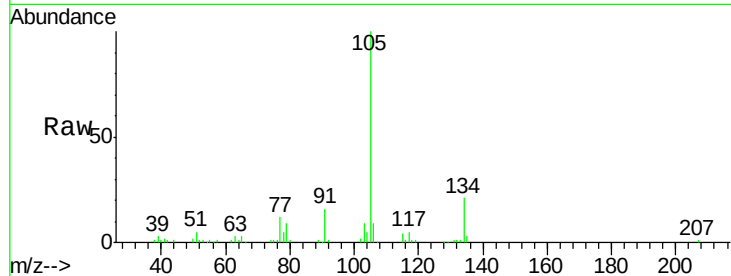
134 21.3 10.5 31.6

Manual Integrations

APPROVED

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9/19/2018 4:57:48 PM



#86

p-Isopropyltoluene

Concen: 4.15 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

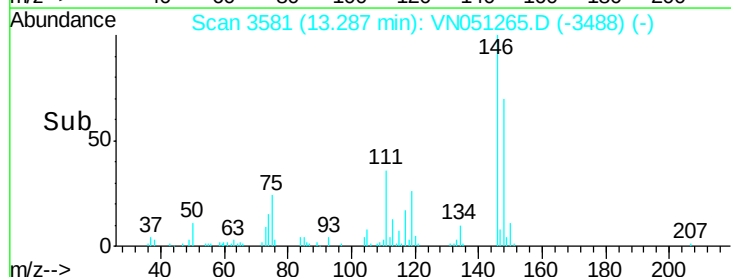
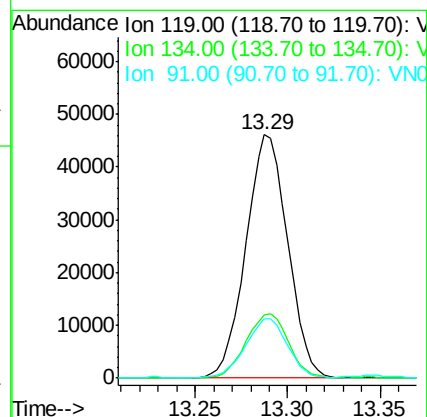
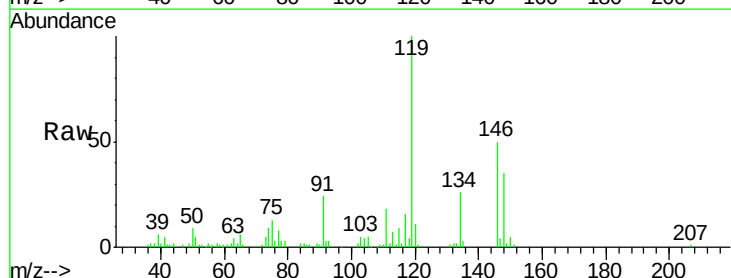
Tgt Ion:119 Resp: 72168

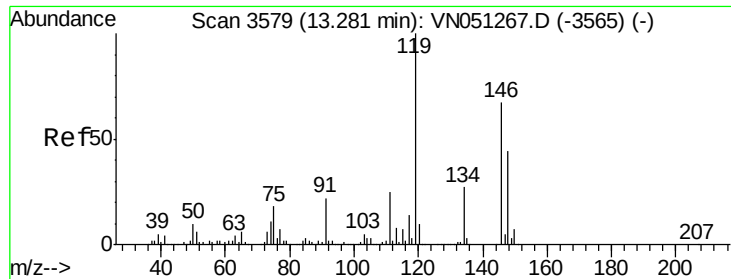
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 24.6 11.1 33.1





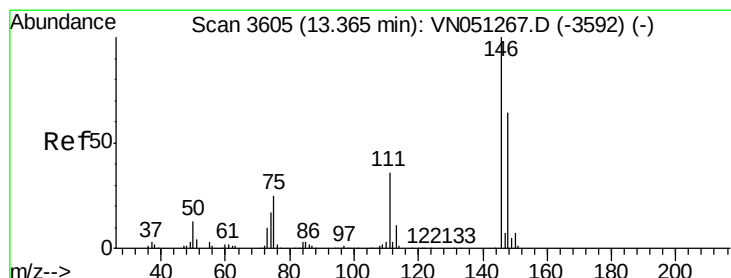
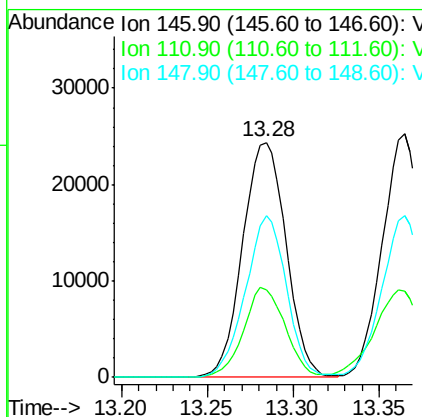
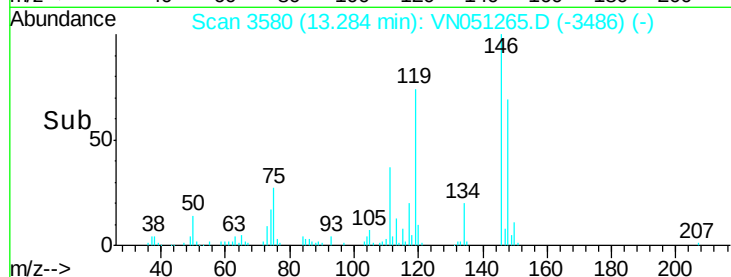
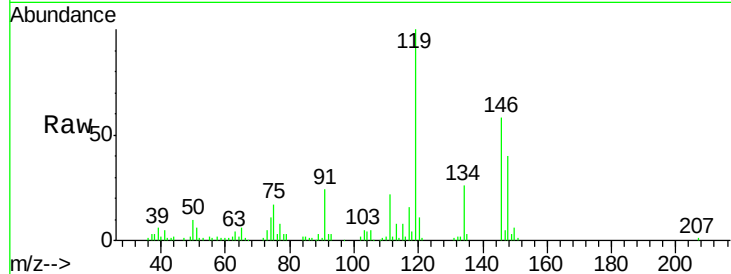
#87
 1,3-Dichlorobenzene
 Concen: 4.20 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	64.9	32.2	96.6

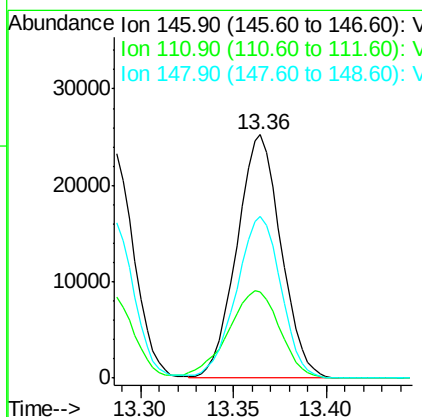
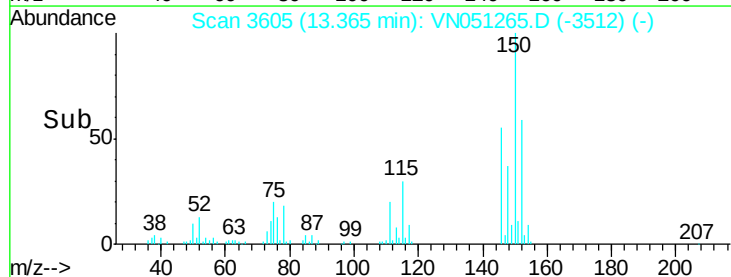
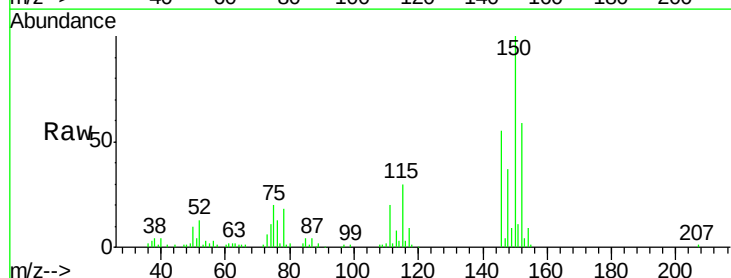
Manual Integrations
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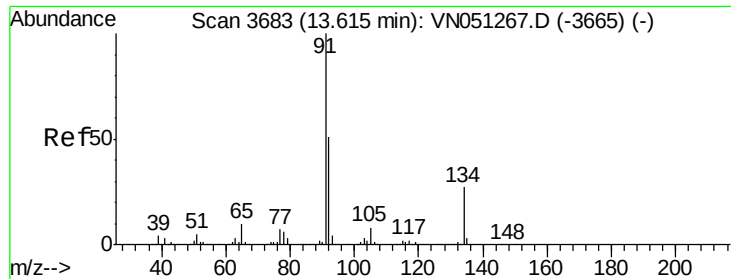
MMDadoda
 9/19/2018 4:57:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.17 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.2	54.6
148	67.2	31.9	95.7





#89

n-Butylbenzene

Concen: 3.40 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

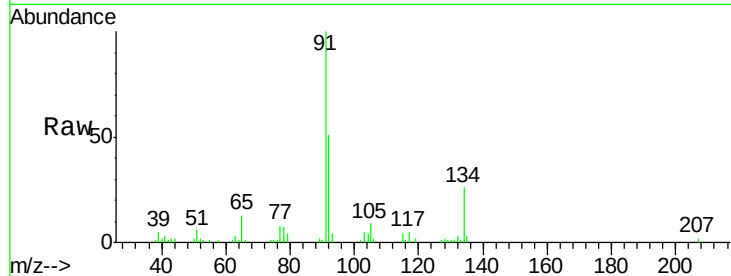
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	45724
Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.8	77.4
134	25.2	13.7	41.0

Manual Integrations
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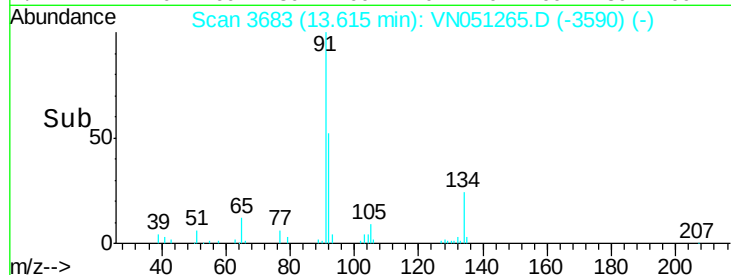


Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)

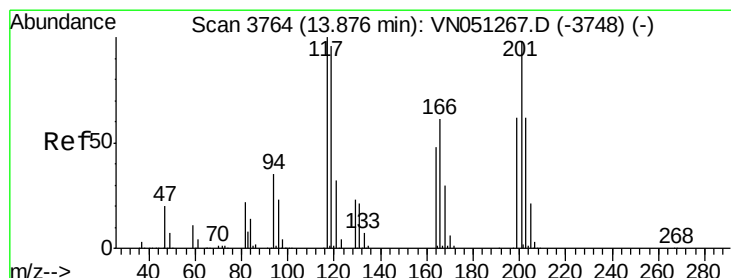
Ion 92.00 (91.70 to 92.70): VN051267.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN051267.D (-3665) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: 4.97 ug/l

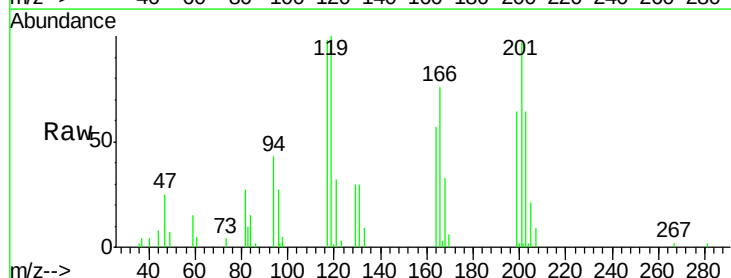
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

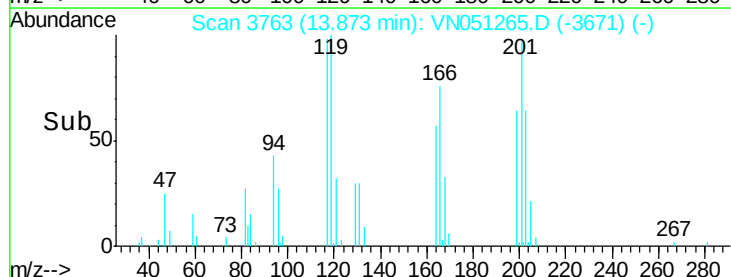
Tgt Ion:	117	Resp:	17773
Ion	Ratio	Lower	Upper
117	100		
201	99.1	48.4	145.3



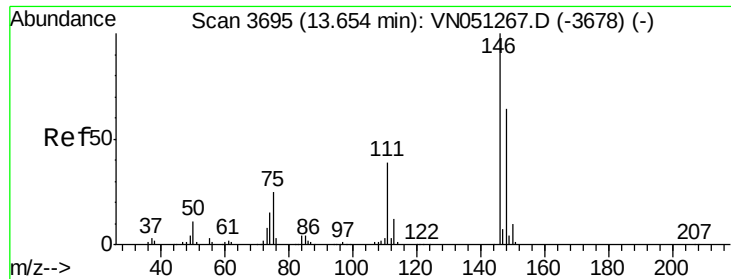
Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051267.D (-3748) (-)

Time-->



Time-->



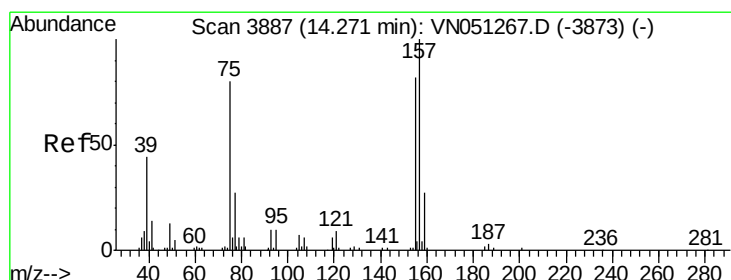
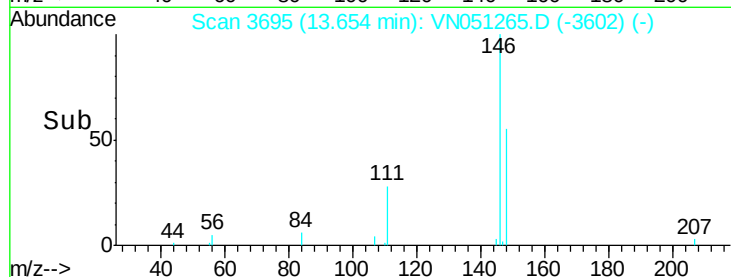
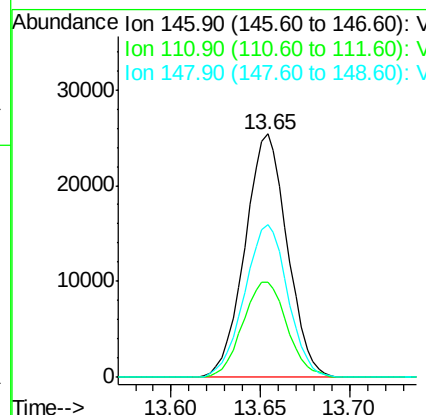
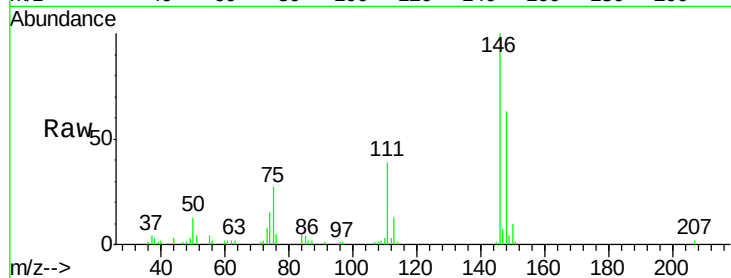
#91
 1,2-Dichlorobenzene
 Concen: 4.24 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	63.8	31.9	95.9

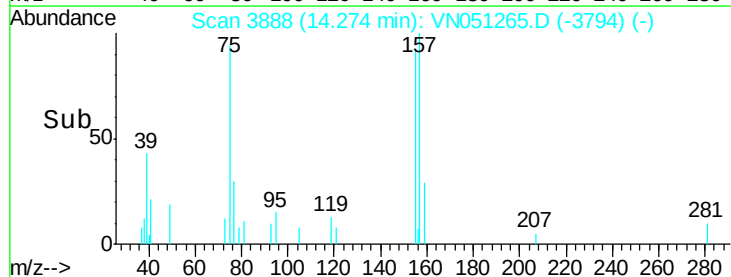
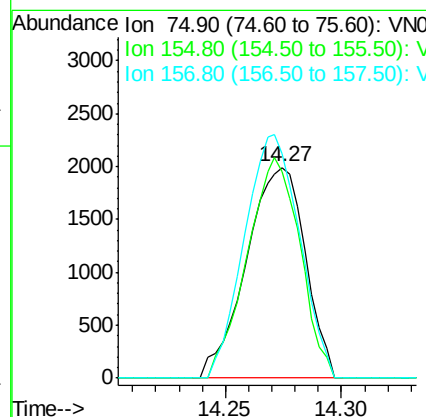
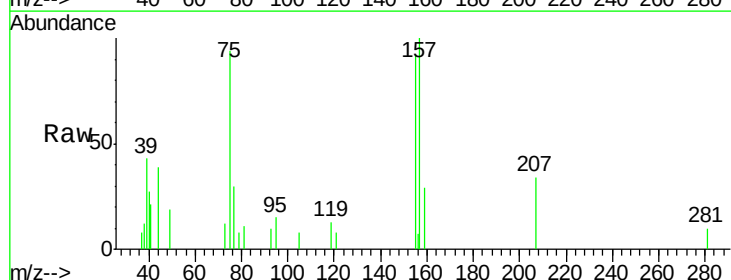
Manual Integrations
 APPROVED

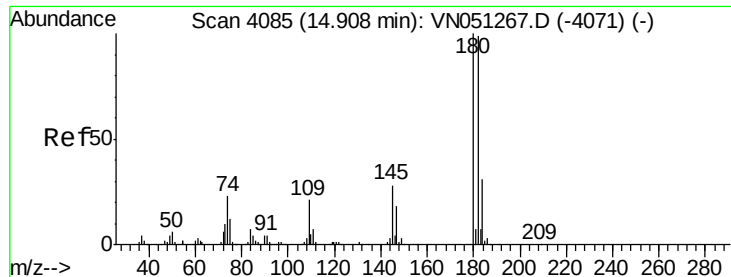
MMDadoda
 9/19/2018 4:57:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.11 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN051265.D
 Acq: 17 Sep 2018 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	50.2	150.7
157	108.2	62.9	188.7





#93

1,2,4-Trichlorobenzene

Concen: 2.36 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

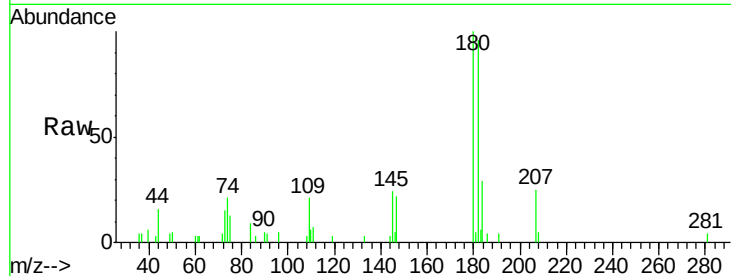
ClientSampleId :

VSTDIC005

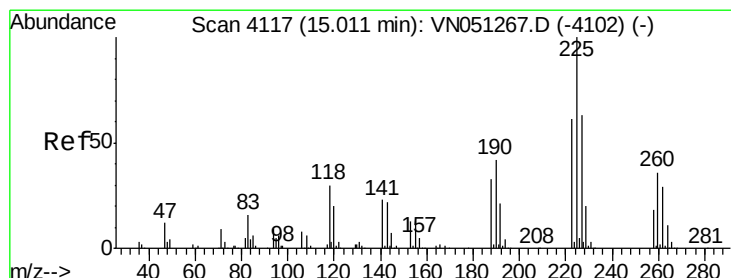
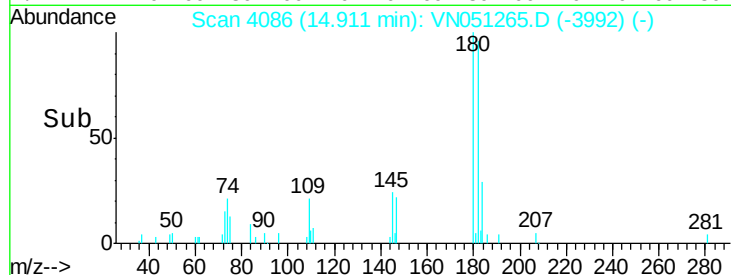
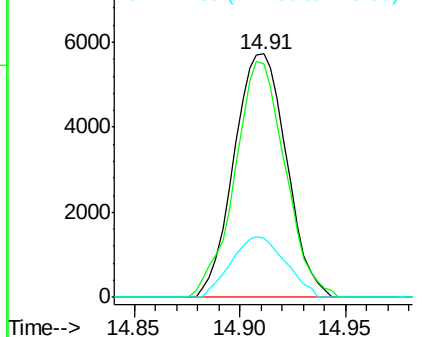
Tot Ion:	180	Resp:	9901
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.5	145.6
145	25.7	14.0	41.9

Manual Integrations
APPROVED

MMDadoda
9/19/2018 4:57:48 PM



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



#94

Hexachlorobutadiene

Concen: 4.79 ug/l

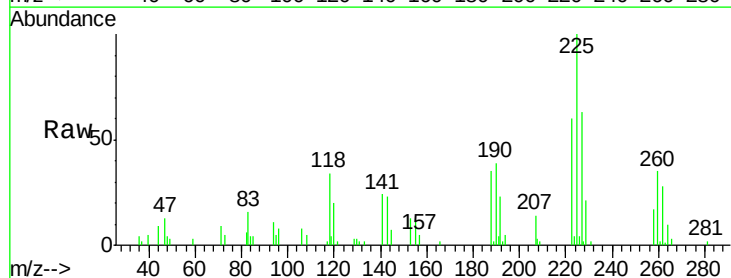
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

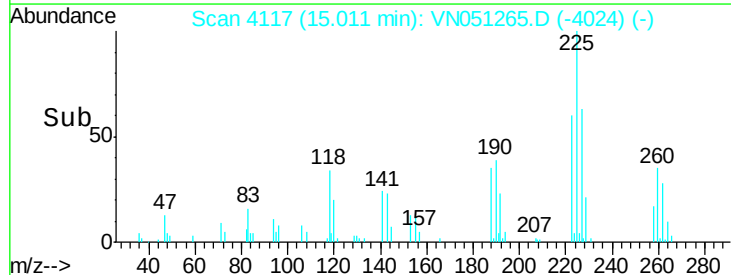
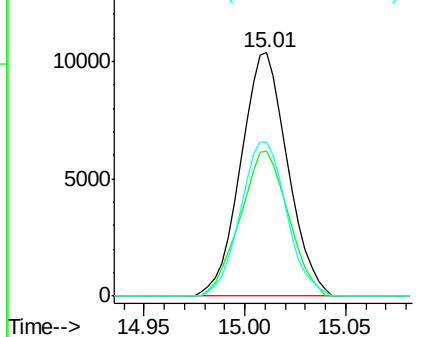
Lab File: VN051265.D

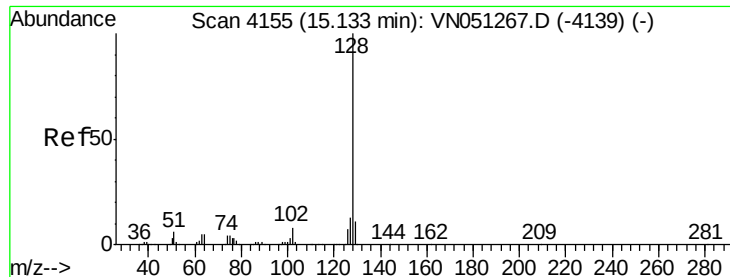
Acq: 17 Sep 2018 10:46

Tgt Ion:	225	Resp:	16826
Ion Ratio	Lower	Upper	
225	100		
223	61.2	30.8	92.3
227	62.6	32.1	96.3



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





#95

Naphthalene

Concen: 2.06 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Instrument :

MSVOA_N

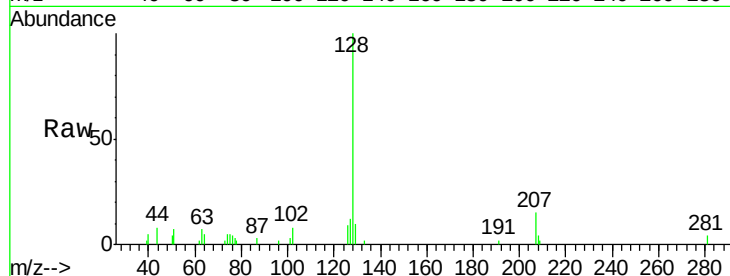
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	18116
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.7	16.1
129	10.6	8.9	13.3

Manual Integrations
APPROVED

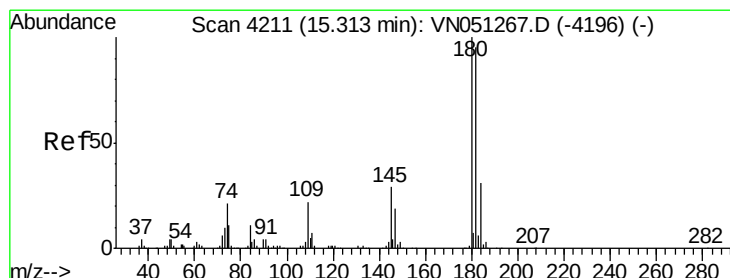
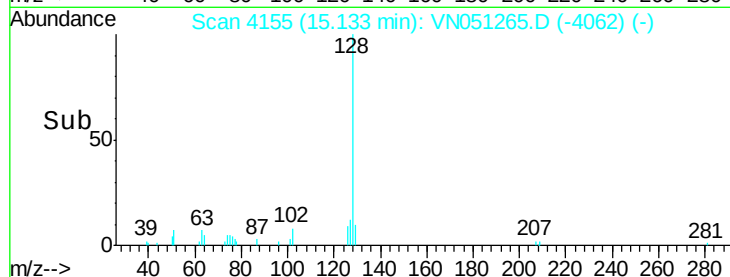
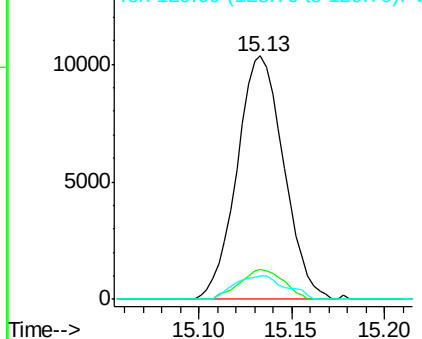
MMDadoda
9/19/2018 4:57:48 PM



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: 2.45 ug/l

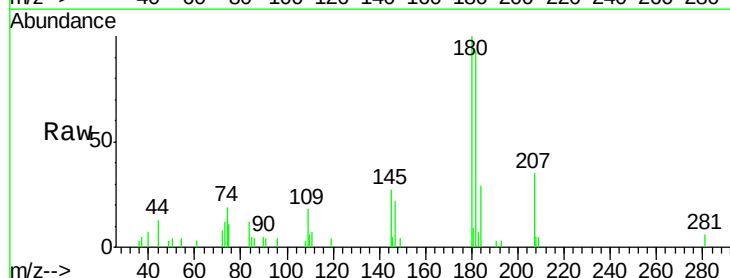
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051265.D

Acq: 17 Sep 2018 10:46

Tgt Ion:	180	Resp:	10690
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.6
145	28.9	14.8	44.4



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

