

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055625.D
 Acq On : 17 May 2019 21:05
 Operator : JC/SP
 Sample : VN0517MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:09:04 AM

Quant Time: May 18 04:07:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	323187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	501195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	182084	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	7.59	113	163612	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.09	98	595360	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	201515	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	46576	18.731	ug/l	99
3) Chloromethane	2.06	50	61467	18.532	ug/l	99
4) Vinyl Chloride	2.19	62	69179	19.262	ug/l	96
5) Bromomethane	2.57	94	47719	20.848	ug/l	96
6) Chloroethane	2.71	64	39222	19.669	ug/l	94
7) Trichlorofluoromethane	3.03	101	91348	19.848	ug/l	100
8) Diethyl Ether	3.41	74	37527	20.297	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	54494	19.422	ug/l	99
10) Methyl Iodide	3.96	142	64427	15.927	ug/l	99
11) Tert butyl alcohol	4.77	59	73213	110.817	ug/l	96
12) 1,1-Dichloroethene	3.75	96	57273	19.405	ug/l	99
13) Acrolein	3.61	56	31761	95.095	ug/l	93
14) Allyl chloride	4.33	41	93017	19.521	ug/l	99
15) Acrylonitrile	4.99	53	150467	102.367	ug/l	100
16) Acetone	3.82	43	125136	86.552	ug/l	99
17) Carbon Disulfide	4.06	76	152578	18.596	ug/l	99
18) Methyl Acetate	4.33	43	62110	20.038	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	193089	19.775	ug/l	99
20) Methylene Chloride	4.56	84	64075	19.420	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	60085	19.110	ug/l	98
22) Diisopropyl ether	5.95	45	180982	19.168	ug/l	97
23) Vinyl Acetate	5.90	43	791647	98.813	ug/l	99
24) 1,1-Dichloroethane	5.86	63	109492	19.778	ug/l	99
25) 2-Butanone	6.84	43	200585	99.225	ug/l	99
26) 2,2-Dichloropropane	6.83	77	75651	15.397	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	71725	19.590	ug/l	96
28) Bromochloromethane	7.20	49	51599	21.424	ug/l	99
29) Tetrahydrofuran	7.21	42	138425	103.358	ug/l	99
30) Chloroform	7.37	83	111408	19.604	ug/l	100
31) Cyclohexane	7.66	56	99058	18.853	ug/l	99
32) 1,1,1-Trichloroethane	7.58	97	100236	19.665	ug/l	99
36) 1,1-Dichloropropene	7.80	75	83626	18.715	ug/l	100
37) Ethyl Acetate	6.93	43	84237	20.891	ug/l	99
38) Carbon Tetrachloride	7.78	117	89762	18.798	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	94905	17.619	ug/l	98
40) Benzene	8.05	78	251129	19.107	ug/l	99
41) Methacrylonitrile	7.17	41	33365m	19.354	ug/l	
42) 1,2-Dichloroethane	8.13	62	84388	19.828	ug/l	100
43) Isopropyl Acetate	8.17	43	135930	19.380	ug/l	99
44) Trichloroethene	8.84	130	72497	19.548	ug/l	99
45) 1,2-Dichloropropane	9.12	63	66385	19.173	ug/l	96
46) Dibromomethane	9.21	93	44902	19.814	ug/l	99
47) Bromodichloromethane	9.40	83	90181	18.987	ug/l	99
48) Methyl methacrylate	9.20	41	60010	19.142	ug/l	94
49) 1,4-Dioxane	9.20	88	28519	457.801	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	405565	98.574	ug/l	100
52) Toluene	10.16	92	157518	19.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	92867	18.167	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	103432	18.470	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	64407	18.978	ug/l	99
56) Ethyl methacrylate	10.43	69	98799	18.649	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102456	19.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	213039	94.642	ug/l	99
59) 2-Hexanone	10.75	43	278871	96.272	ug/l	98
60) Dibromochloromethane	10.90	129	75327	19.584	ug/l	98
61) 1,2-Dibromoethane	11.01	107	66257	19.512	ug/l	100
64) Tetrachloroethene	10.63	164	66282	19.359	ug/l	98
65) Chlorobenzene	11.44	112	165936	18.900	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	67810	19.198	ug/l	99
67) Ethyl Benzene	11.51	91	292863	18.724	ug/l	100
68) m/p-Xylenes	11.62	106	217489	36.822	ug/l	100
69) o-Xylene	11.95	106	107441	18.598	ug/l	100
70) Styrene	11.96	104	180998	18.843	ug/l	99
71) Bromoform	12.13	173	58048	19.393	ug/l #	99
73) Isopropylbenzene	12.25	105	288609	20.335	ug/l	100
74) N-amyl acetate	12.07	43	101883	19.201	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89469	20.411	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75898m	19.684	ug/l	
77) Bromobenzene	12.53	156	74302	19.146	ug/l	98
78) n-propylbenzene	12.59	91	305167	18.185	ug/l	100
79) 2-Chlorotoluene	12.67	91	187223	19.833	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	234626	19.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25784	17.189	ug/l	99
82) 4-Chlorotoluene	12.77	91	180681	18.274	ug/l	99
83) tert-Butylbenzene	12.99	119	206475	19.804	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	233964	19.624	ug/l	99
85) sec-Butylbenzene	13.17	105	263457	19.552	ug/l	100
86) p-Isopropyltoluene	13.29	119	239592	19.297	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	118810	18.516	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	114809	18.739	ug/l	98
89) n-Butylbenzene	13.62	91	185359	17.876	ug/l	99
90) Hexachloroethane	13.88	117	47273	19.728	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	121896	19.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17634	20.563	ug/l	97

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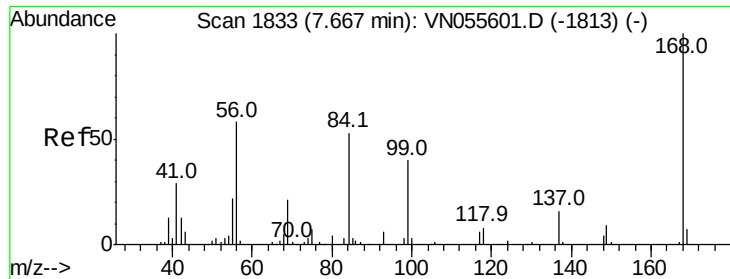
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62785	19.283	ug/l	100
94) Hexachlorobutadiene	15.01	225	39425	18.209	ug/l	99
95) Naphthalene	15.13	128	175315	18.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	67409	19.801	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion:168 Resp: 323187

Ion Ratio Lower Upper

168 100

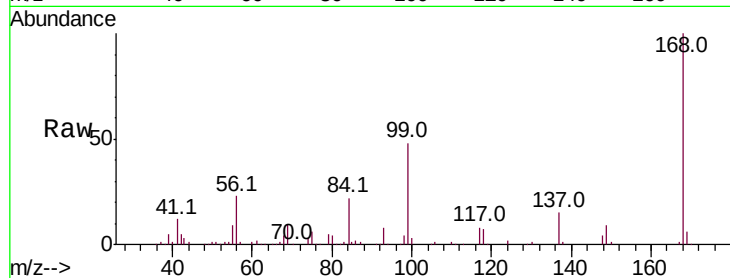
99 47.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

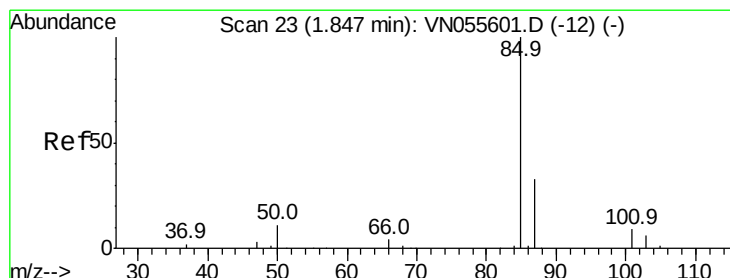
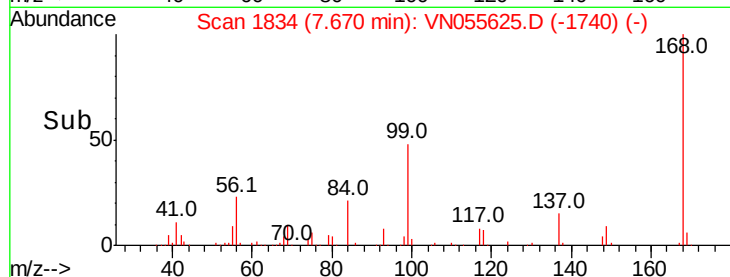
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.731 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055625.D

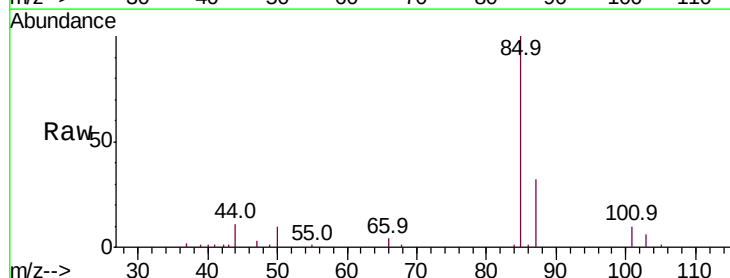
Acq: 17 May 2019 21:05

Tgt Ion: 85 Resp: 46576

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

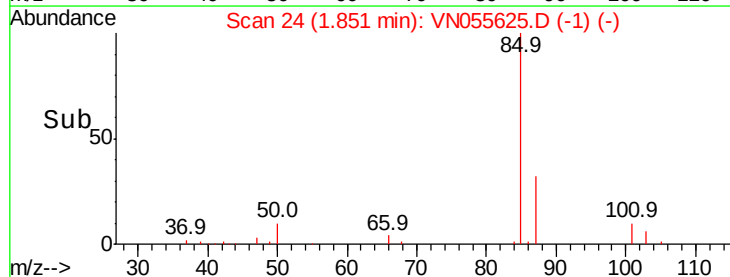
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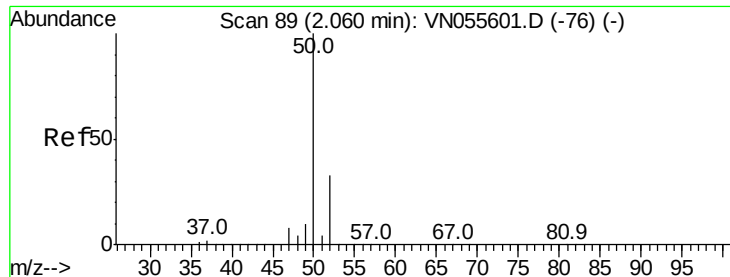
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.532 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion: 50 Resp: 61467

Ion Ratio Lower Upper

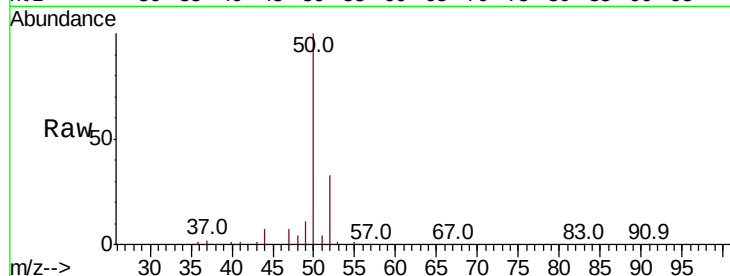
50 100

52 32.9 26.7 40.1

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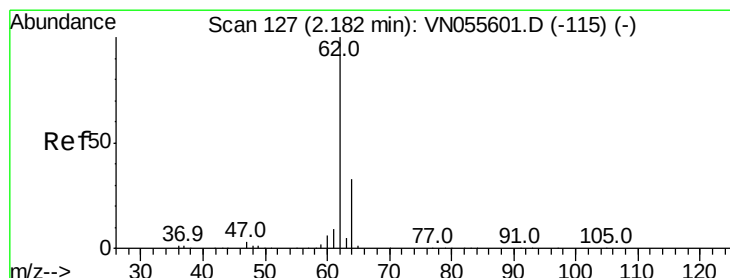
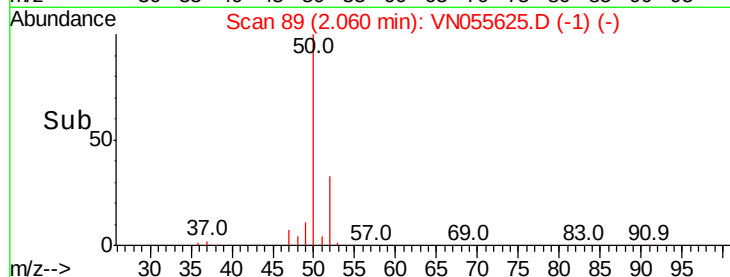
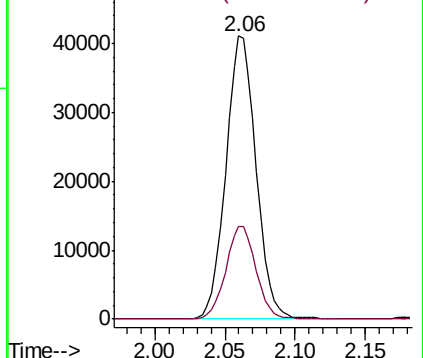
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.262 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055625.D

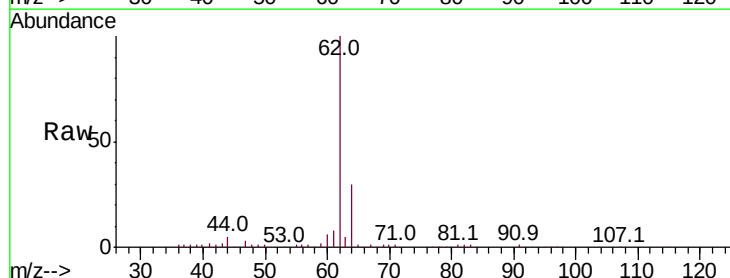
Acq: 17 May 2019 21:05

Tgt Ion: 62 Resp: 69179

Ion Ratio Lower Upper

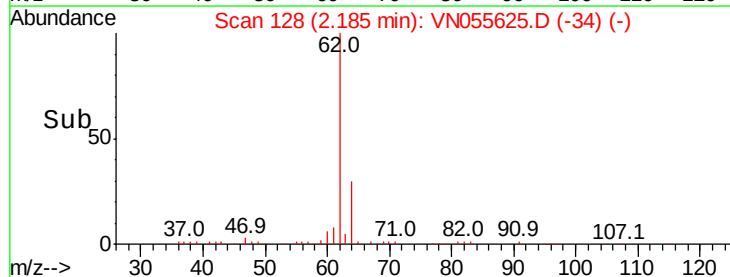
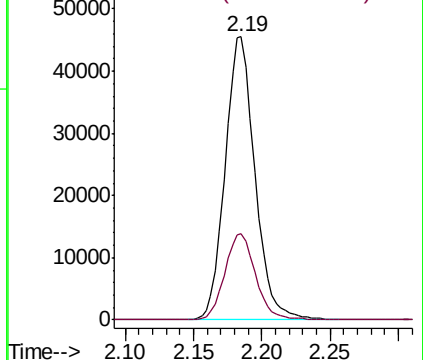
62 100

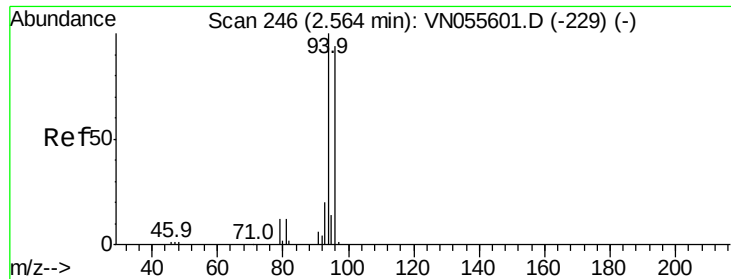
64 30.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.848 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

VN0517MBS01

Tot Ion: 94 Resp: 47719

Ion Ratio Lower Upper

94 100

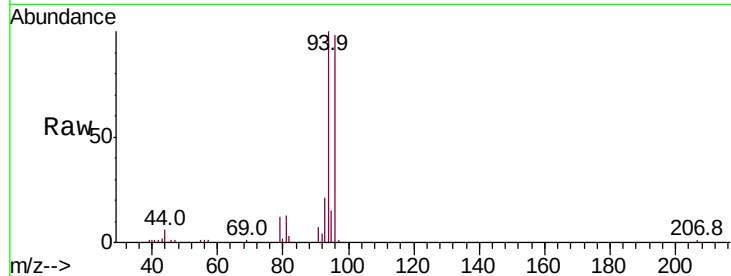
96 97.8 75.2 112.8

Manual Integrations

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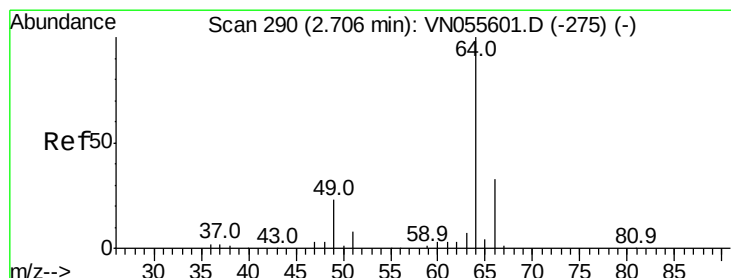
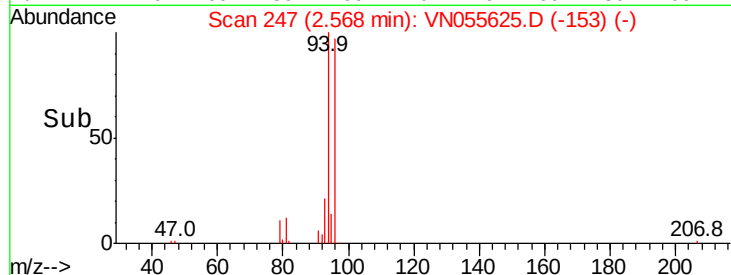
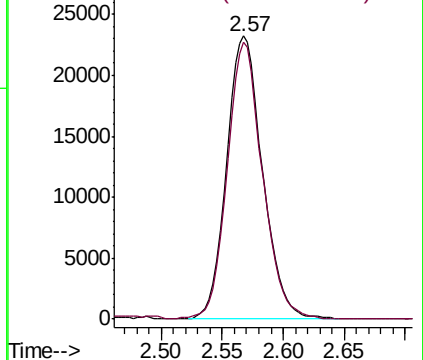
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.669 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055625.D

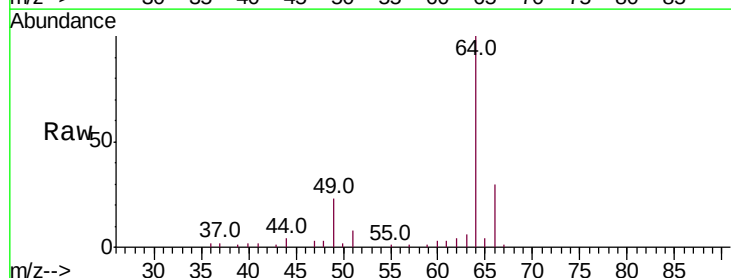
Acq: 17 May 2019 21:05

Tgt Ion: 64 Resp: 39222

Ion Ratio Lower Upper

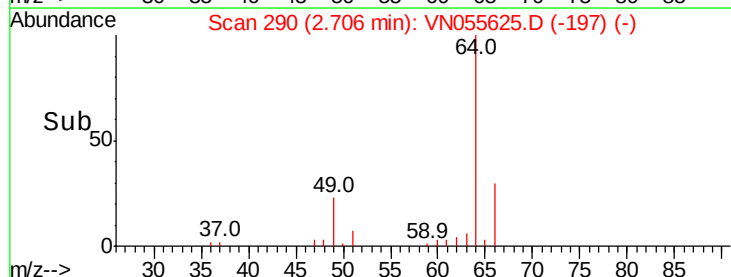
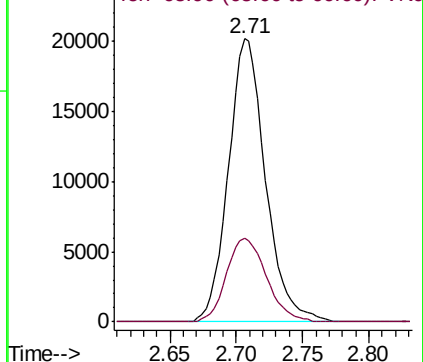
64 100

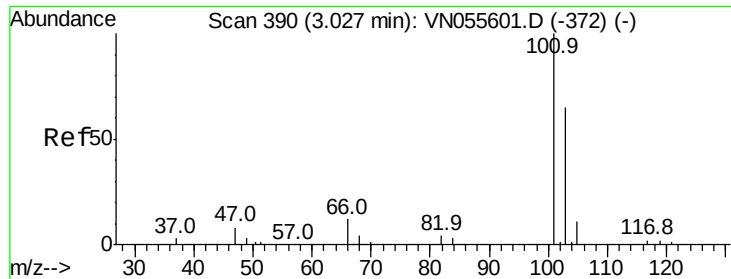
66 29.6 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

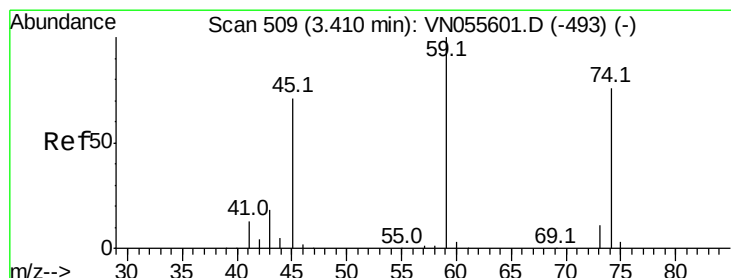
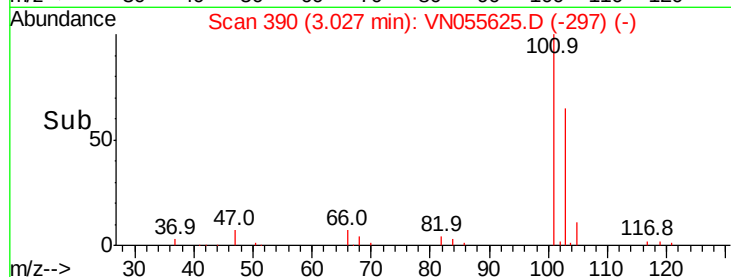
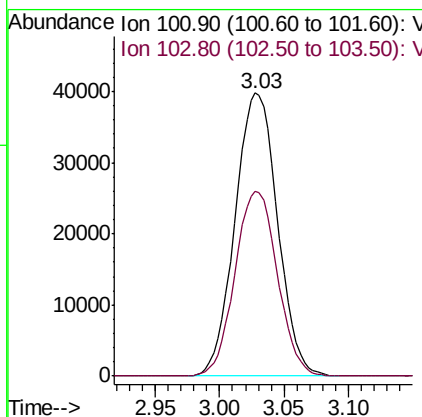
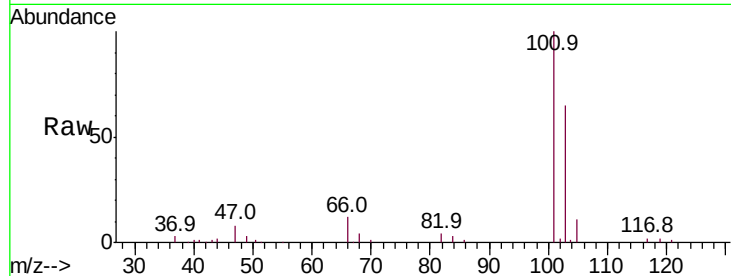
Trichlorofluoromethane
 Concen: 19.848 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

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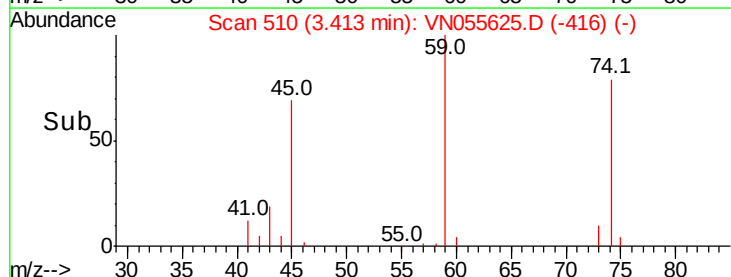
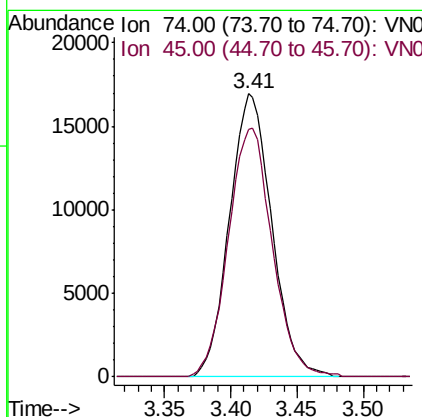
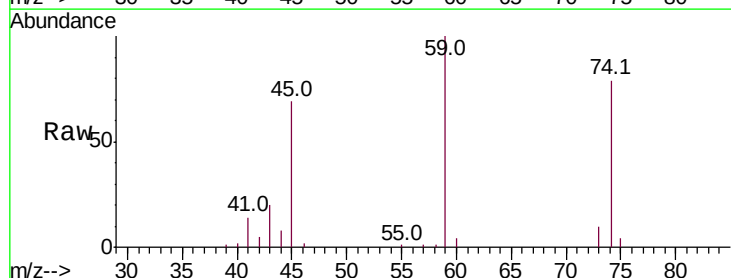
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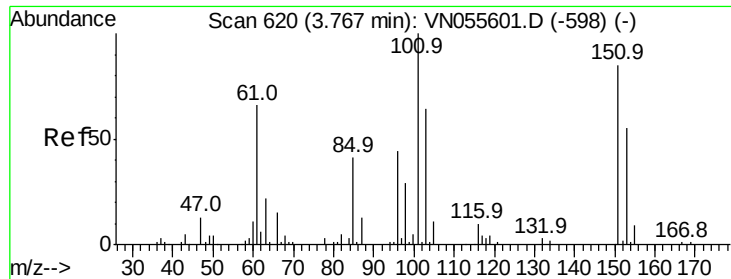


#8

Diethyl Ether
 Concen: 20.297 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.422 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

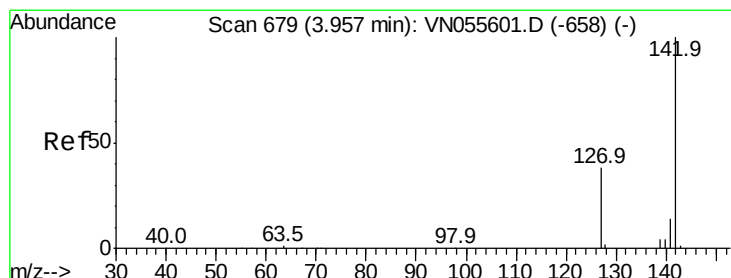
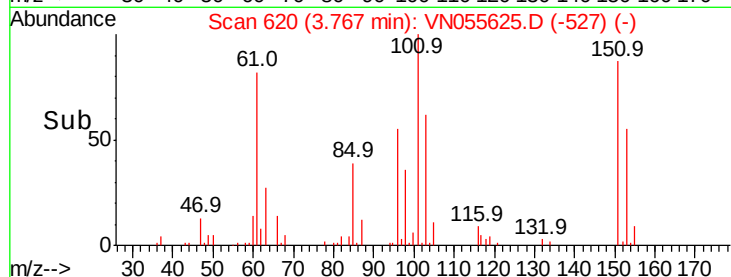
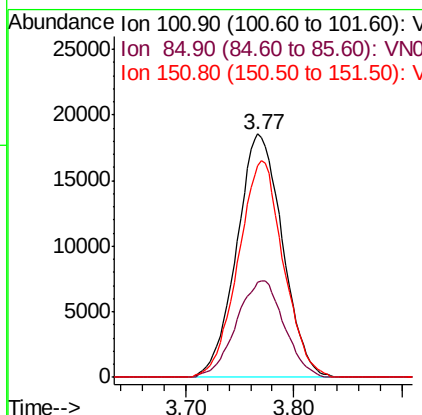
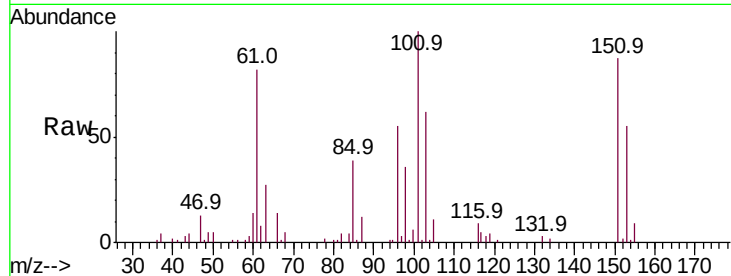
ClientSampled :

VN0517MBS01

Tot Ion:	101	Resp:	54494
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	87.9	69.3	103.9

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#10

Methyl Iodide

Concen: 15.927 ug/l

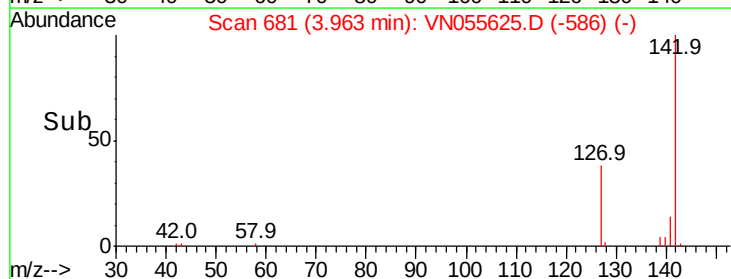
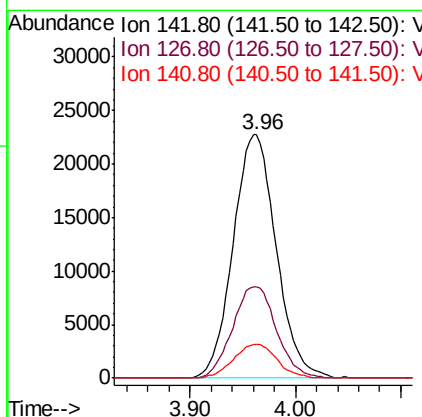
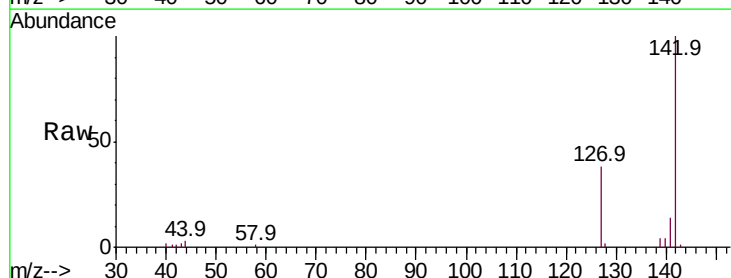
RT: 3.96 min Scan# 681

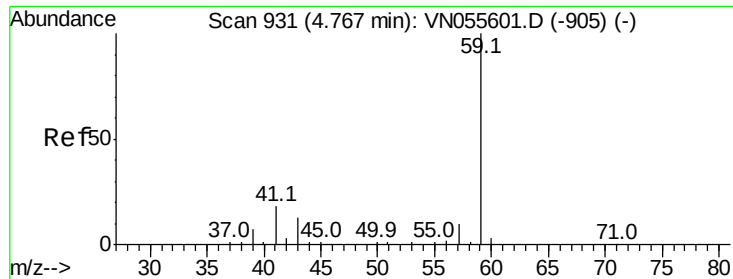
Delta R.T. 0.01 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	142	Resp:	64427
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.0	11.5	17.3





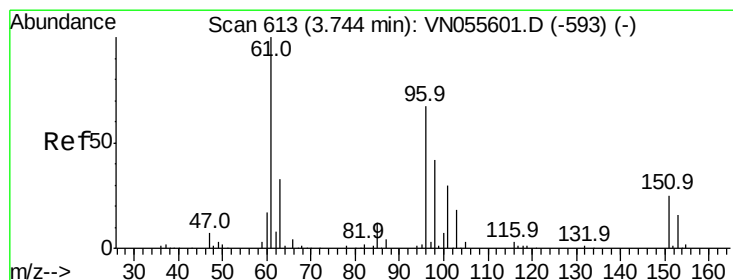
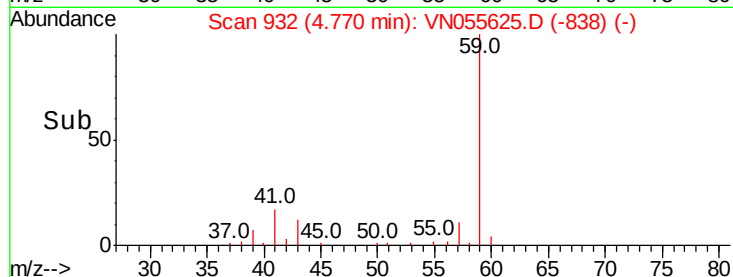
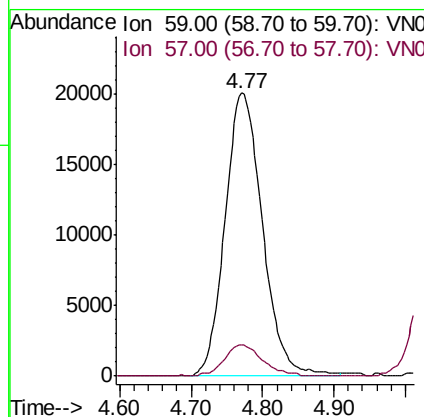
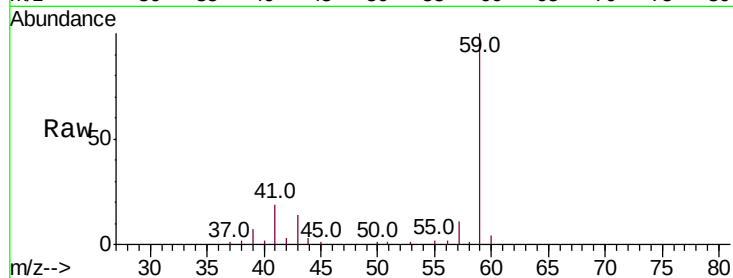
#11
Tert butyl alcohol
Concen: 110.817 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion: 59 Resp: 73213
Ion Ratio Lower Upper
59 100
57 11.2 7.8 11.6

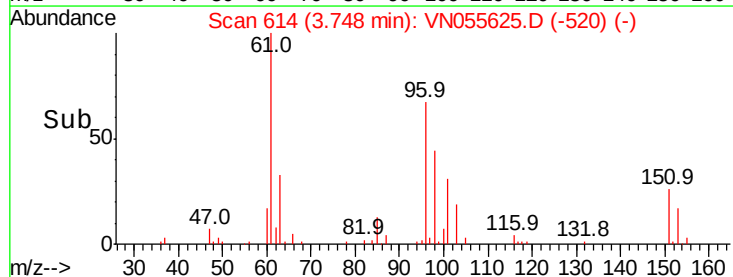
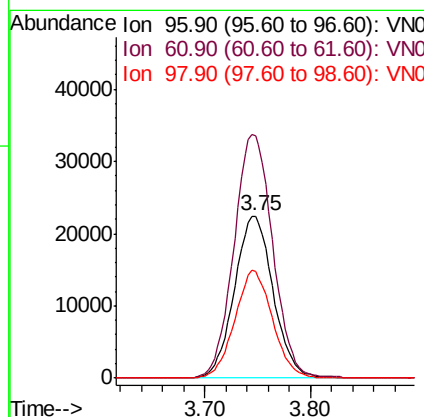
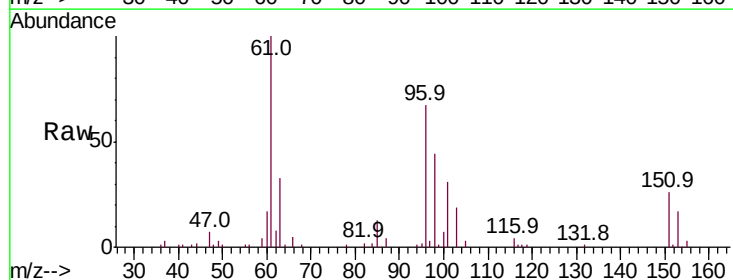
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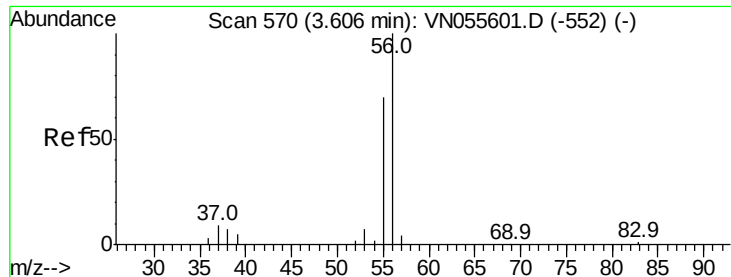
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.405 ug/l
RT: 3.75 min Scan# 614
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion: 96 Resp: 57273
Ion Ratio Lower Upper
96 100
61 149.6 120.2 180.2
98 65.8 50.6 75.8





#13

Acrolein

Concen: 95.095 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

VN0517MBS01

Tot Ion: 56 Resp: 31761

Ion Ratio Lower Upper

56 100

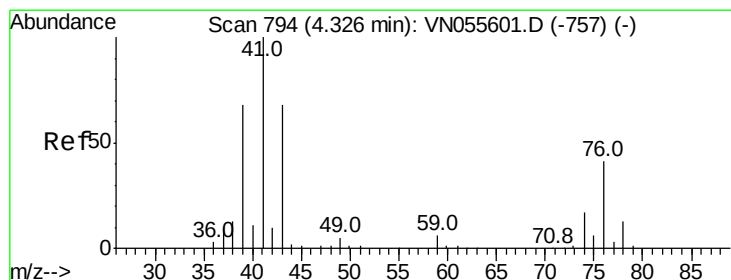
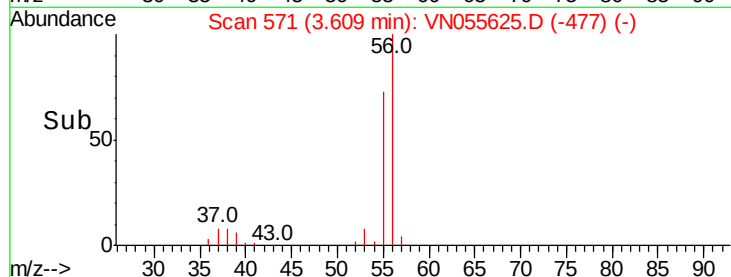
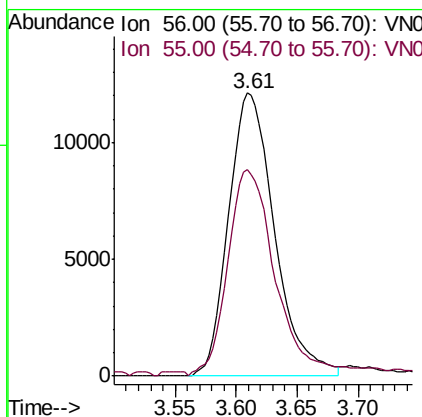
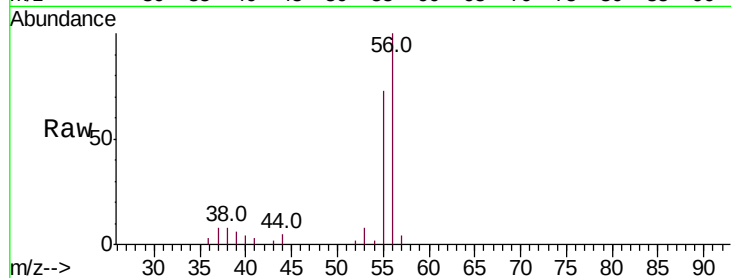
55 76.1 56.5 84.7

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#14

Allyl chloride

Concen: 19.521 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

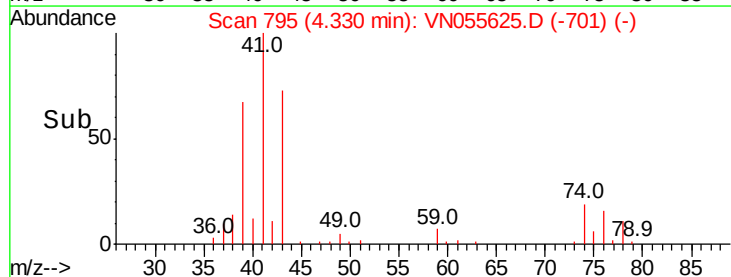
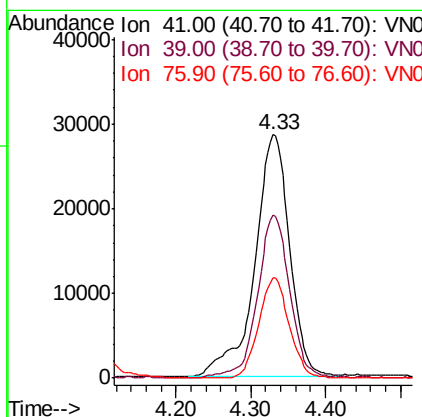
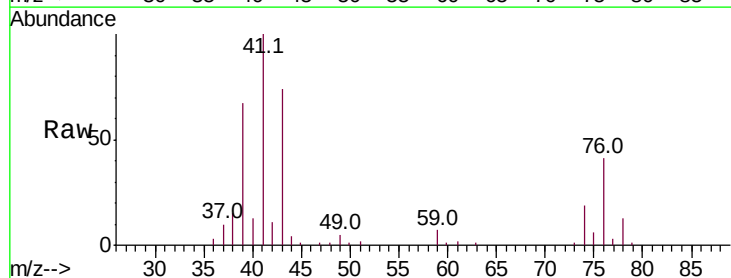
Tgt Ion: 41 Resp: 93017

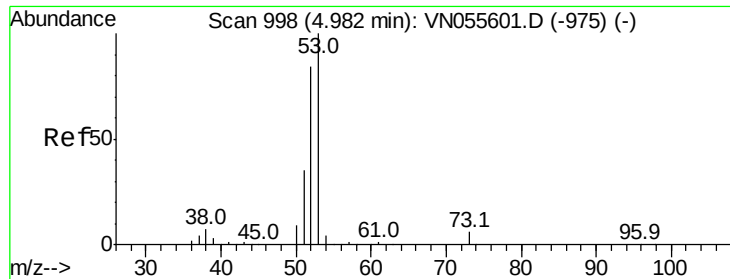
Ion Ratio Lower Upper

41 100

39 62.2 50.5 75.7

76 35.9 29.2 43.8





#15

Acrylonitrile

Concen: 102.367 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

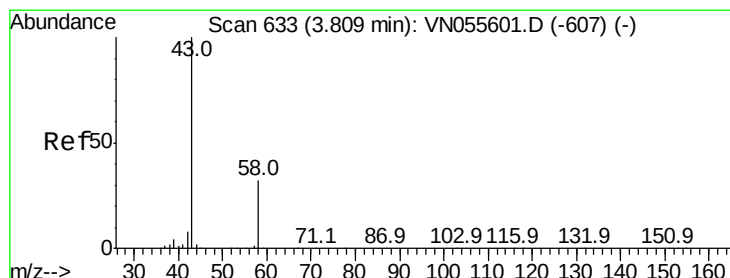
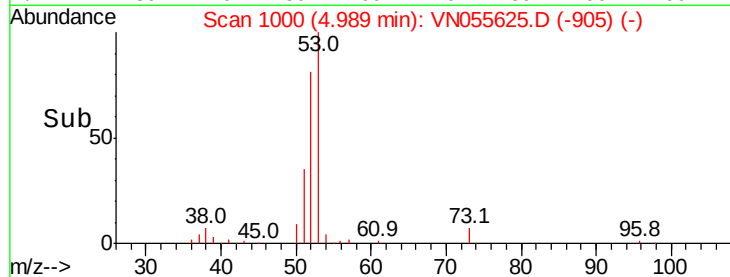
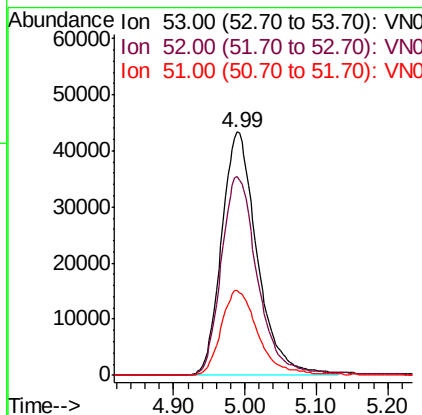
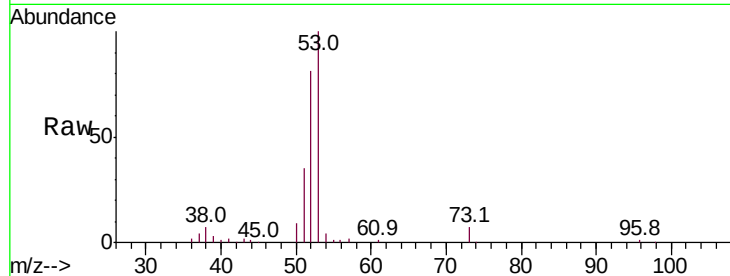
ClientSampleId :

VN0517MBS01

Tot Ion:	53	Resp:	150467
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.2	99.4
51	35.9	28.5	42.7

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#16

Acetone

Concen: 86.552 ug/l

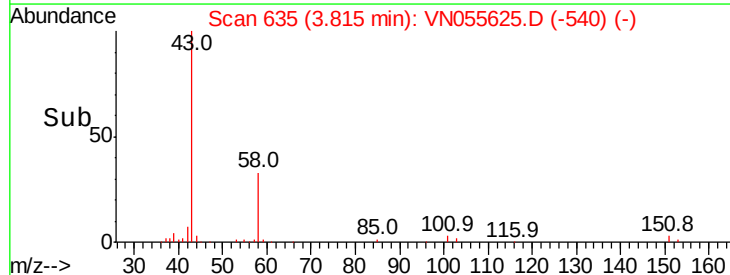
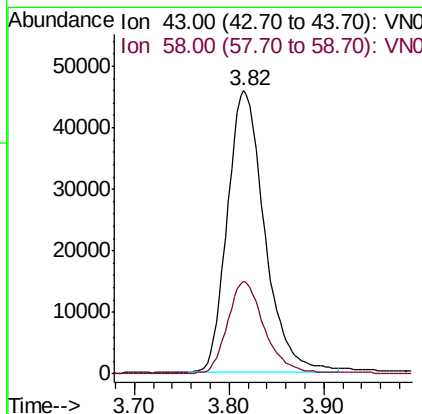
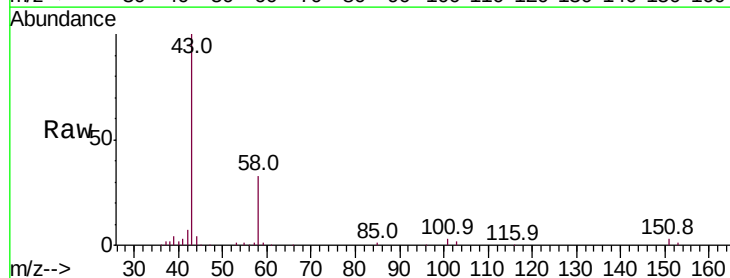
RT: 3.82 min Scan# 635

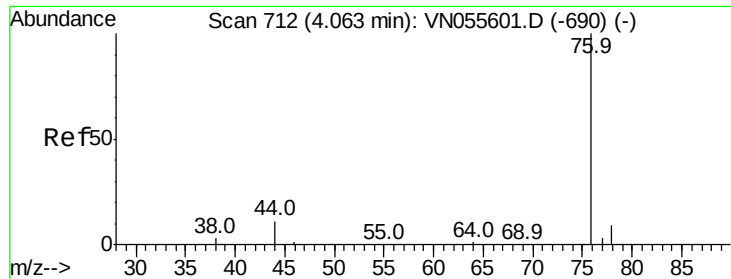
Delta R.T. 0.01 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	43	Resp:	125136
Ion Ratio		Lower	Upper
43	100		
58	33.0	26.0	39.0





#17

Carbon Disulfide

Concen: 18.596 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion: 76 Resp: 152578

Ion Ratio Lower Upper

76 100

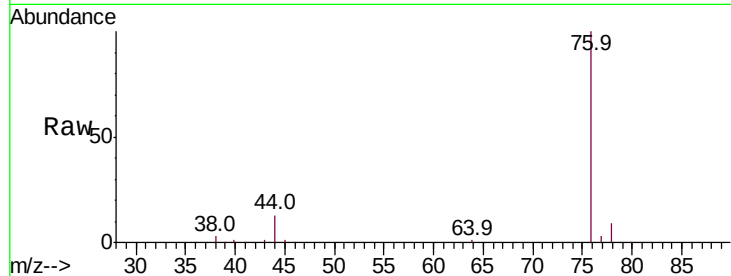
78 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

60000

50000

40000

30000

20000

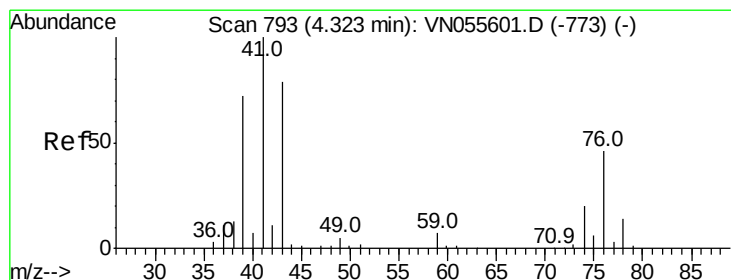
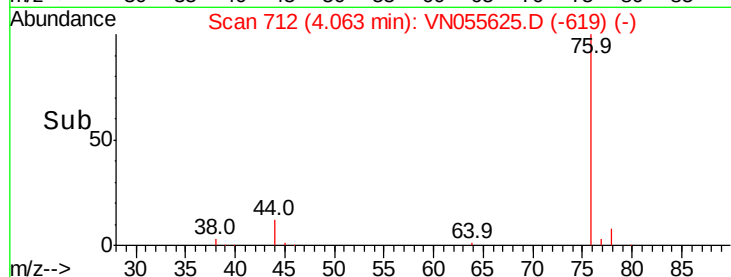
10000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 20.038 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055625.D

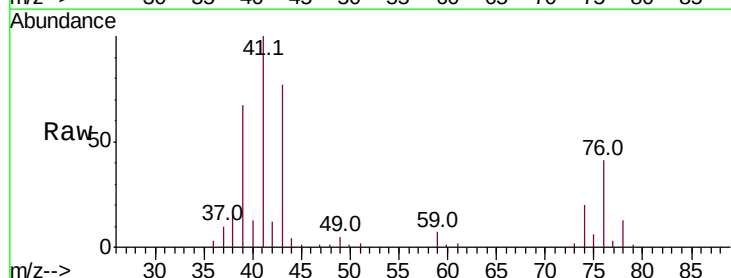
Acq: 17 May 2019 21:05

Tgt Ion: 43 Resp: 62110

Ion Ratio Lower Upper

43 100

74 25.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

25000

20000

15000

10000

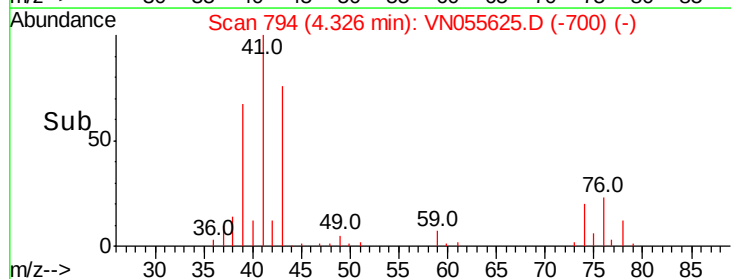
5000

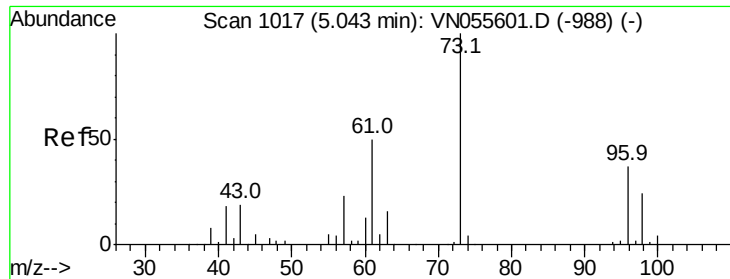
0

4.33

4.20 4.30 4.40 4.50

Time-->





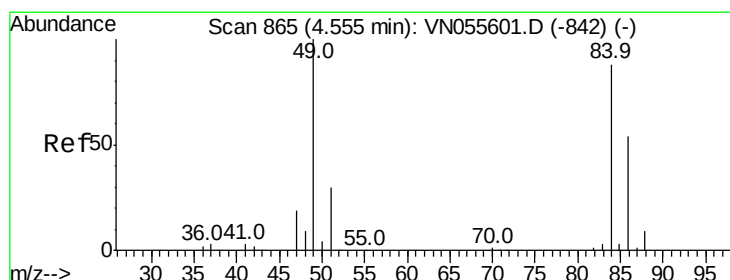
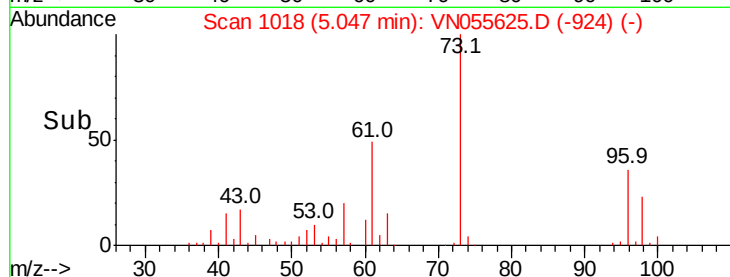
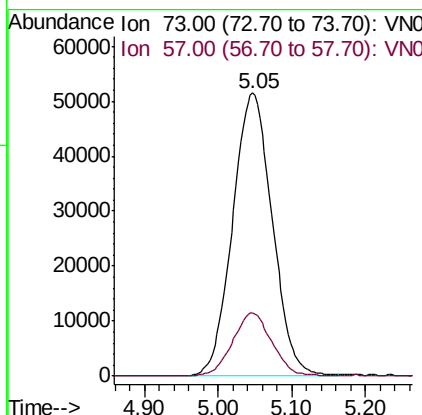
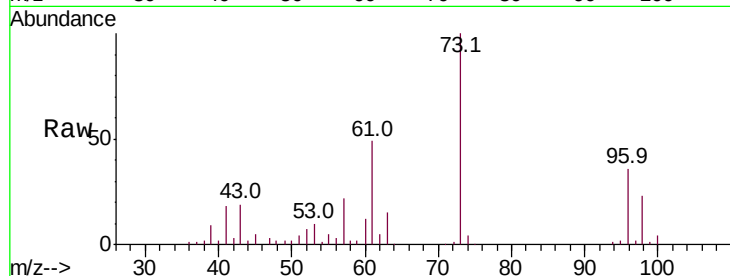
#19
Methyl tert-butyl Ether
Concen: 19.775 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion: 73 Resp: 193089
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.2

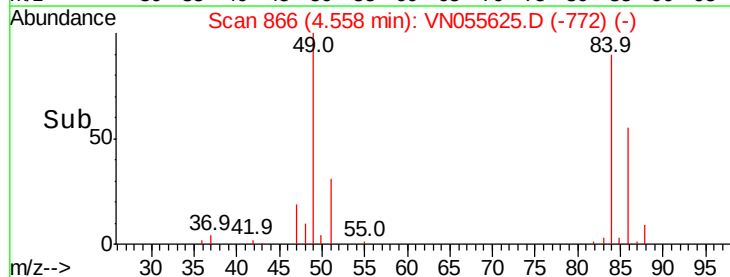
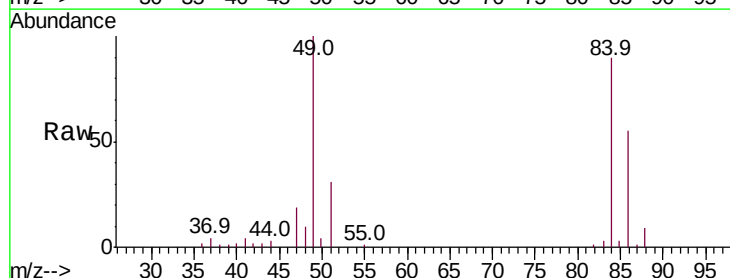
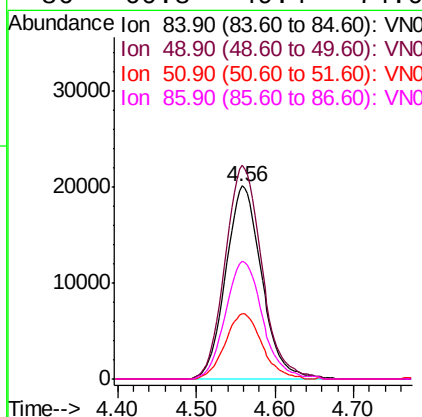
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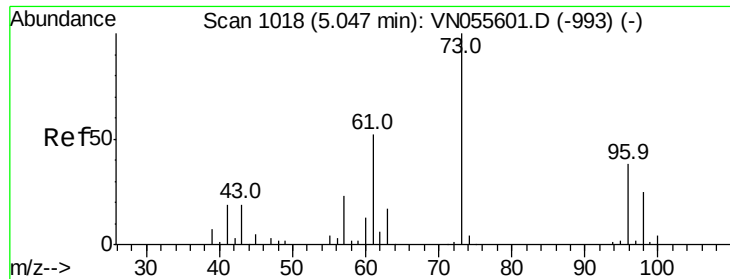
MMDadoda
5/20/2019 9:09:04 AM



#20
Methylene Chloride
Concen: 19.420 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion: 84 Resp: 64075
Ion Ratio Lower Upper
84 100
49 110.5 91.0 136.4
51 34.1 27.5 41.3
86 60.8 49.4 74.0





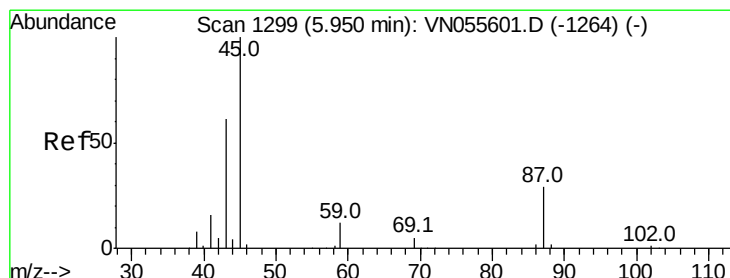
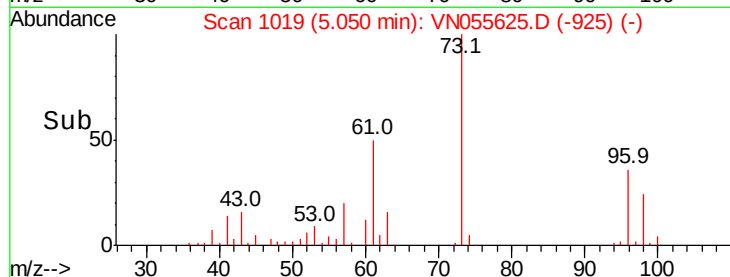
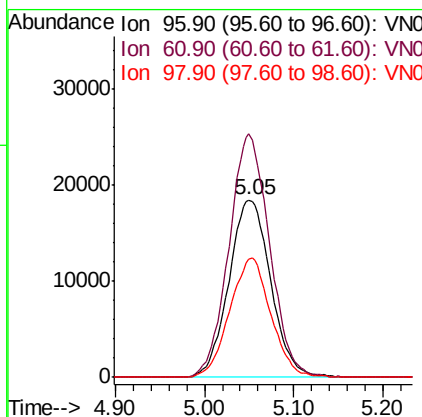
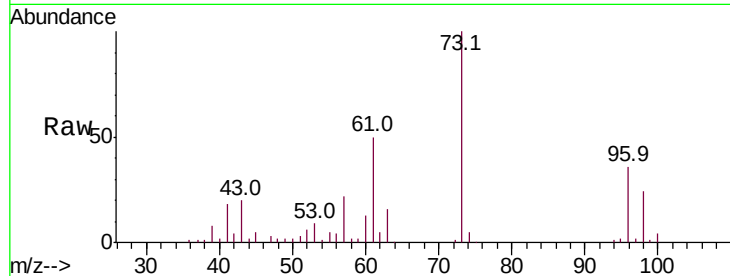
#21
trans-1,2-Dichloroethene
Concen: 19.110 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	108.6	162.8
98	66.9	51.4	77.0

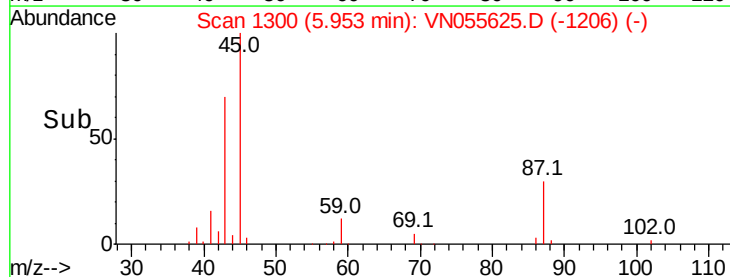
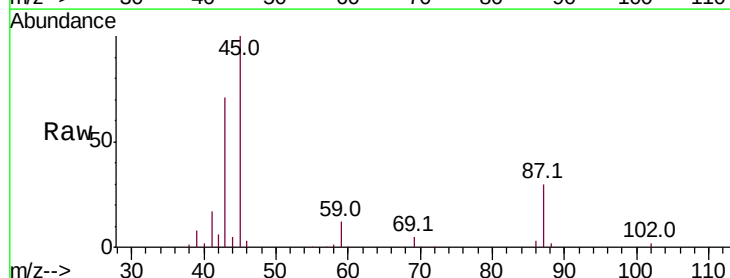
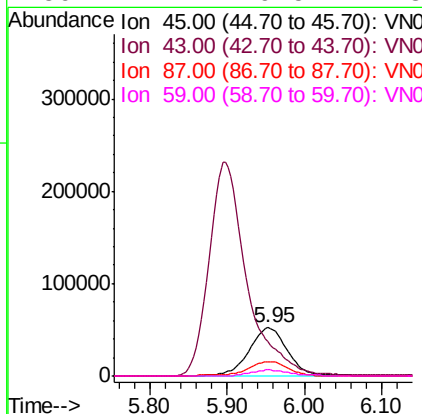
Manual Integrations
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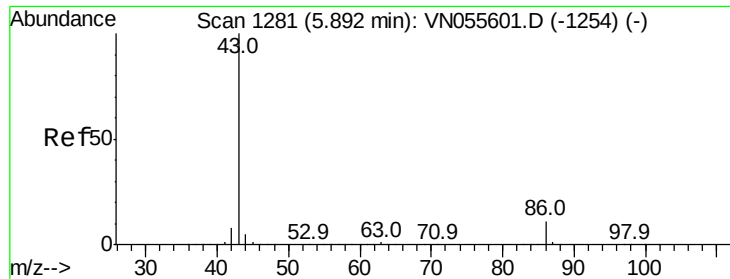
MMDadoda
5/20/2019 9:09:04 AM



#22
Diisopropyl ether
Concen: 19.168 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	50.4	75.6
87	29.6	23.8	35.6
59	12.1	9.5	14.3





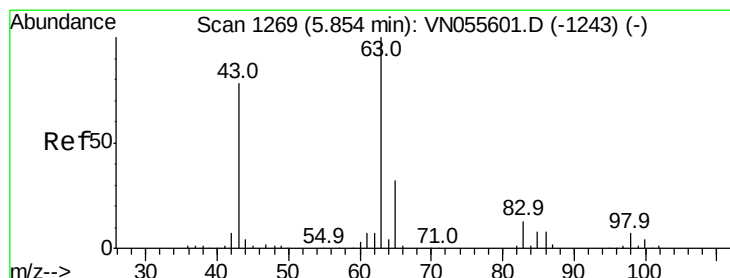
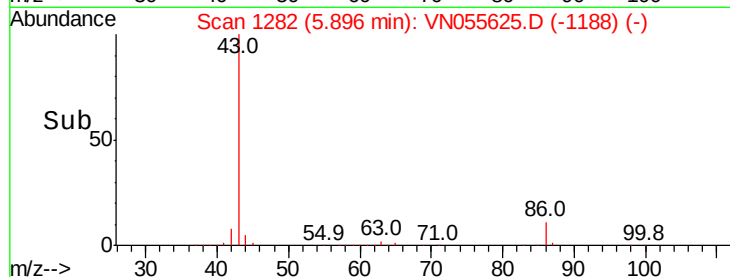
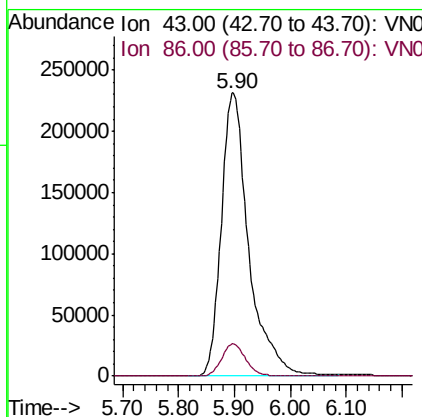
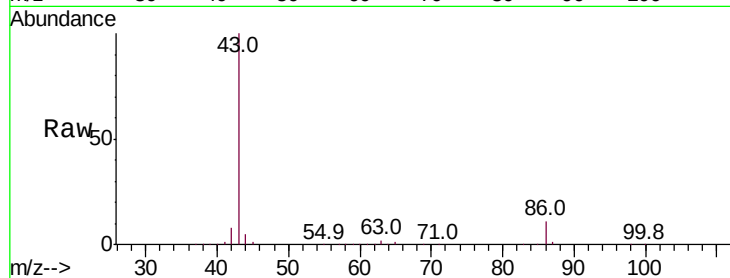
#23
 Vinyl Acetate
 Concen: 98.813 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0517MBS01

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86	11.3		8.7	13.1	

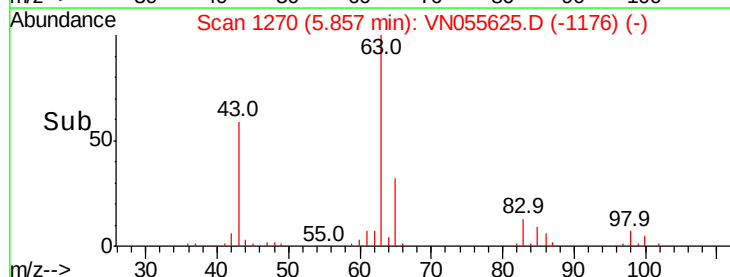
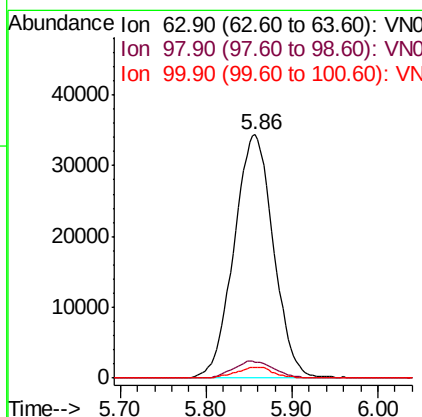
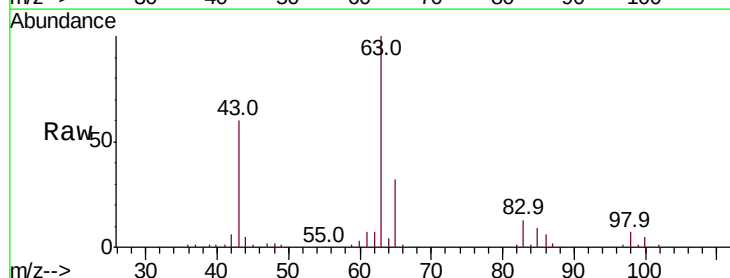
Manual Integrations
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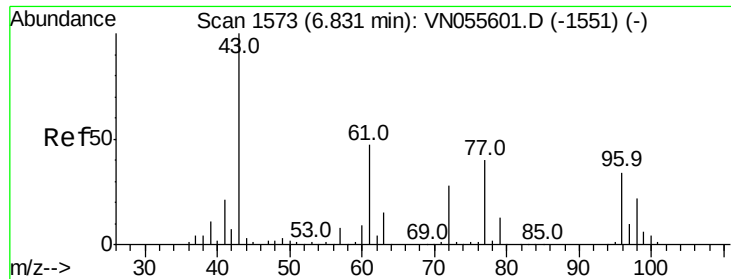
MMDadoda
 5/20/2019 9:09:04 AM



#24
 1,1-Dichloroethane
 Concen: 19.778 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98	6.6			3.4	10.2	
100	4.5			2.2	6.6	





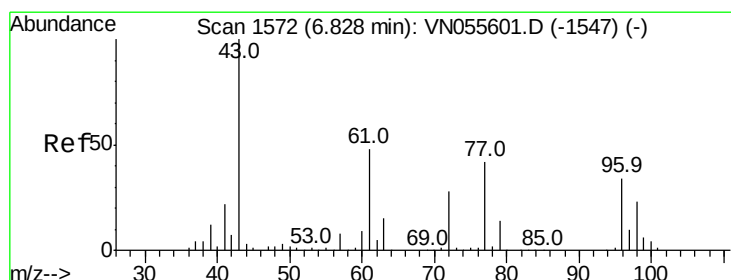
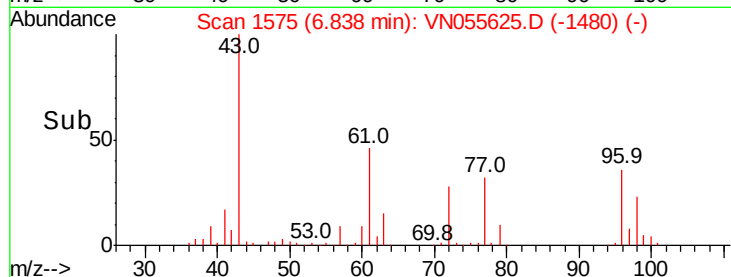
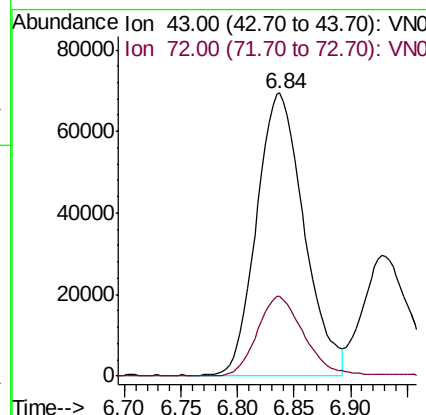
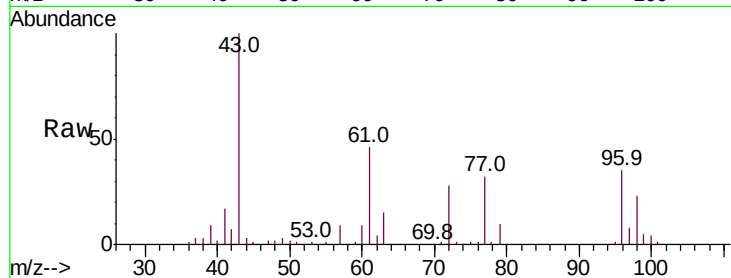
#25
2-Butanone
Concen: 99.225 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.3	33.5

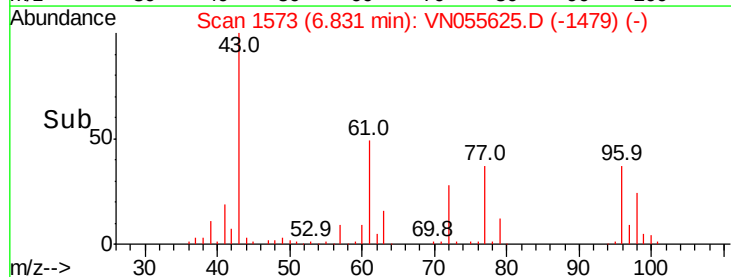
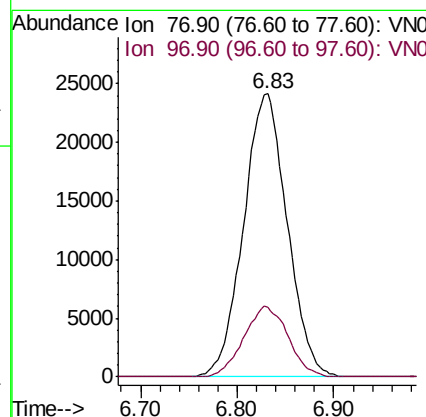
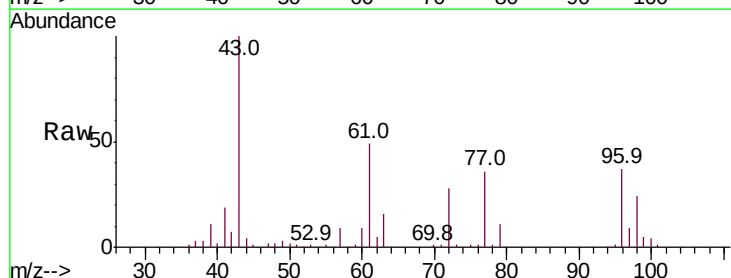
Manual Integrations
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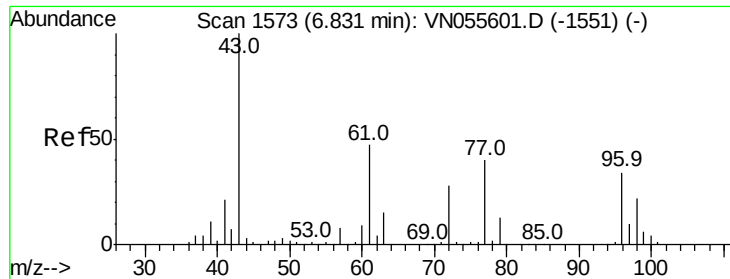
MMDadoda
5/20/2019 9:09:04 AM



#26
2,2-Dichloropropane
Concen: 15.397 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.0	36.0





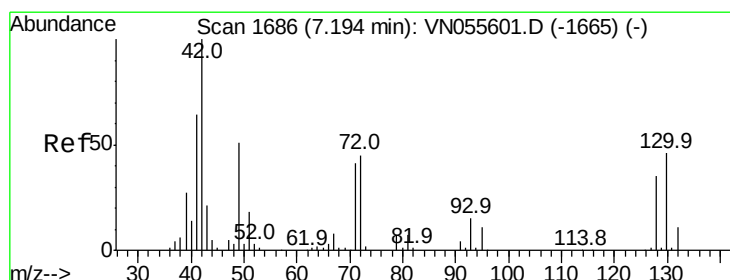
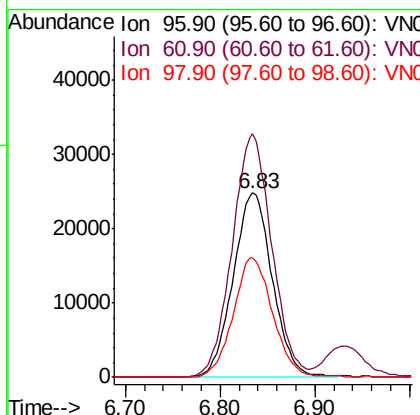
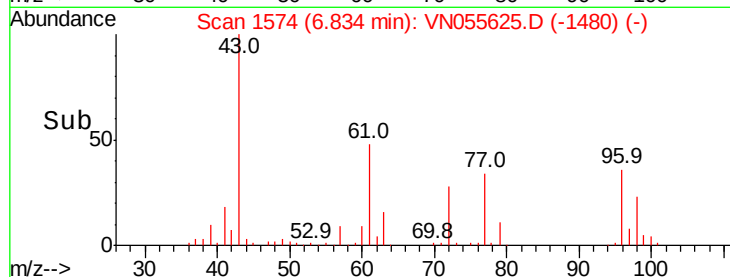
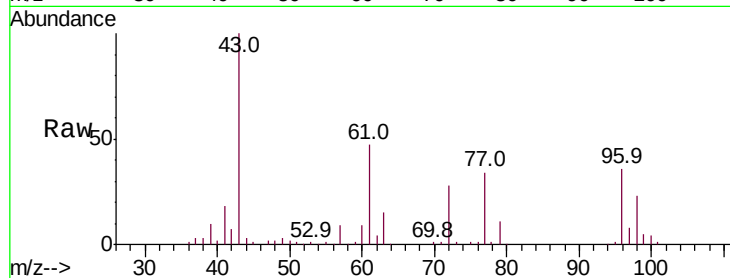
#27
 cis-1,2-Dichloroethene
 Concen: 19.590 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	279.0
98	64.7	0.0	131.6

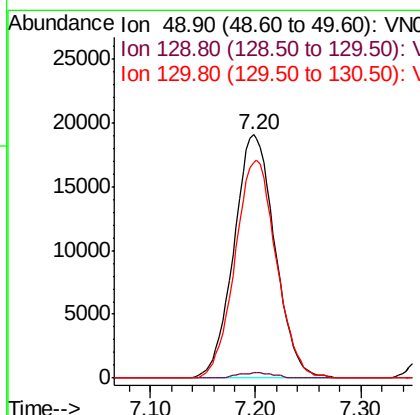
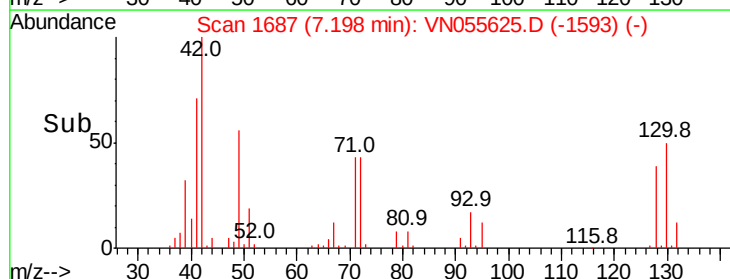
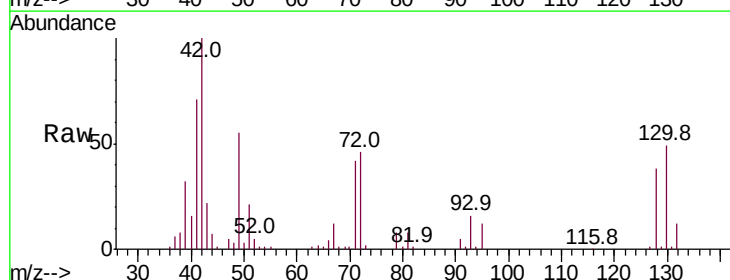
Manual Integrations
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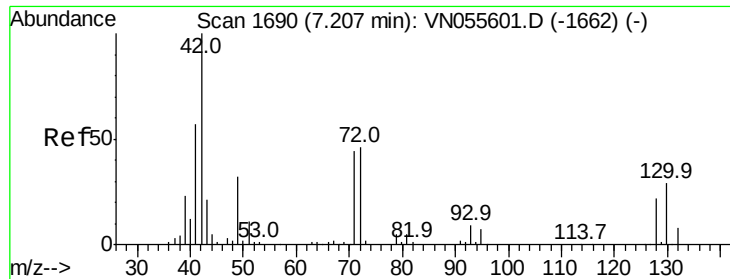
MMDadoda
 5/20/2019 9:09:04 AM



#28
 Bromochloromethane
 Concen: 21.424 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	89.9	71.0	106.6





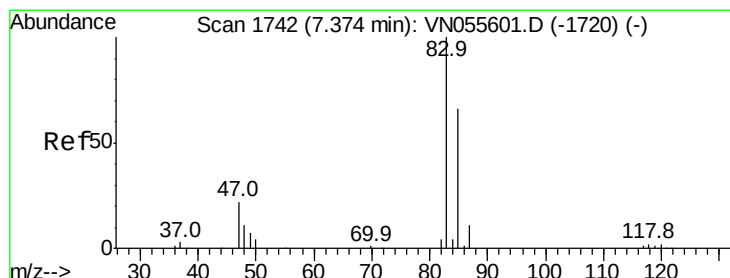
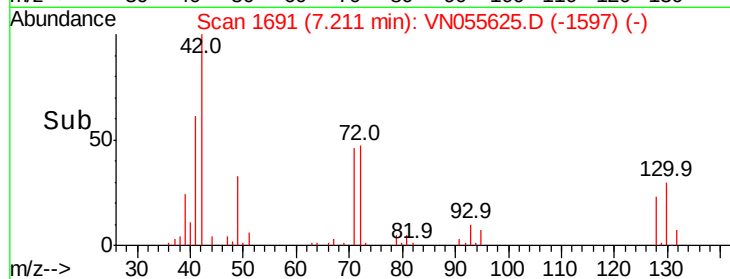
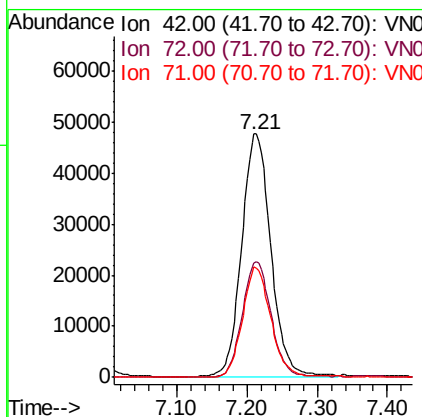
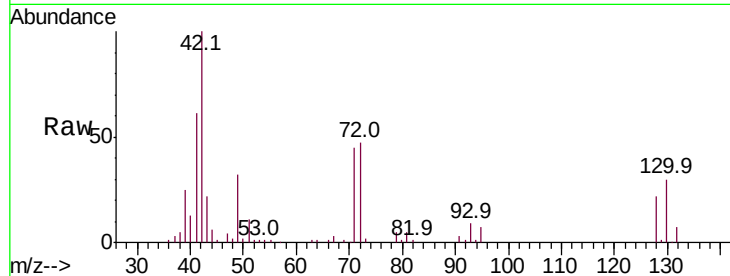
#29
Tetrahydrofuran
Concen: 103.358 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.5	54.7
71	43.7	34.9	52.3

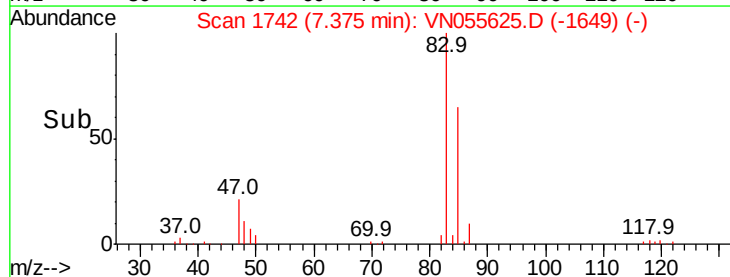
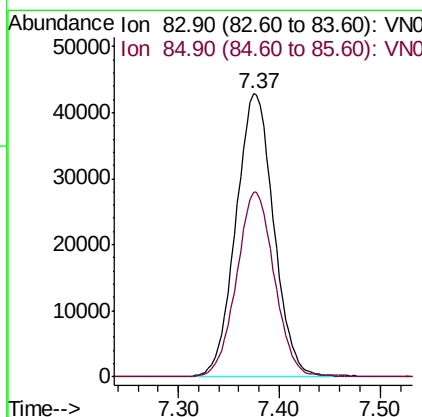
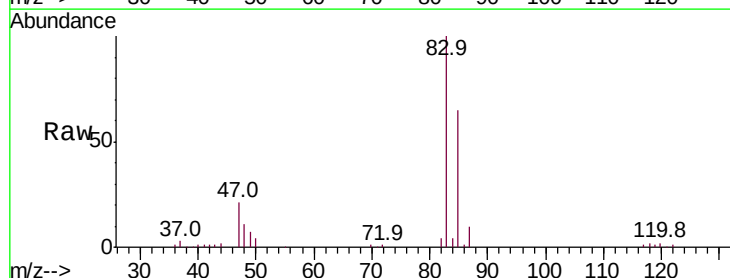
Manual Integrations
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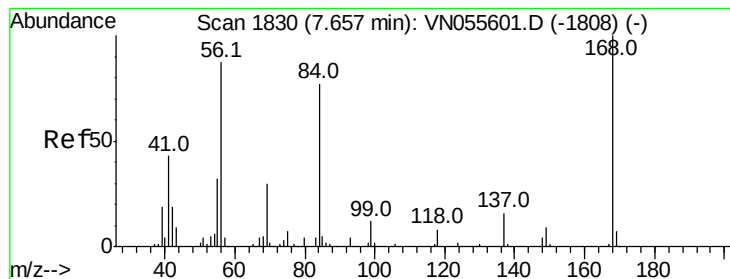
MMDadoda
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#30
Chloroform
Concen: 19.604 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	78.8





#31

Cyclohexane

Concen: 18.853 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

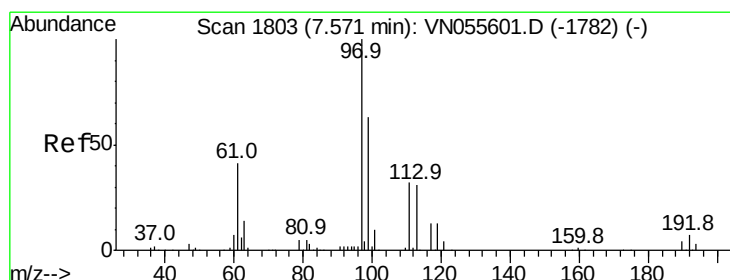
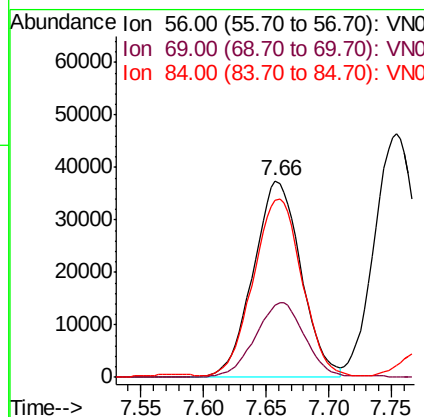
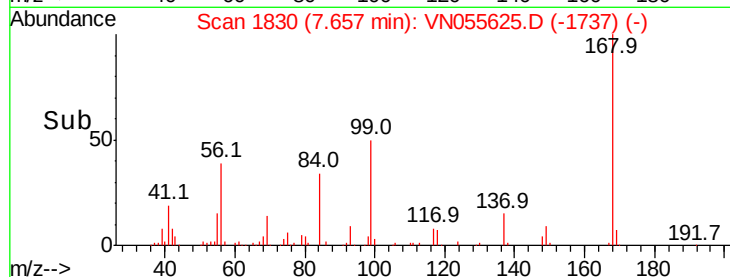
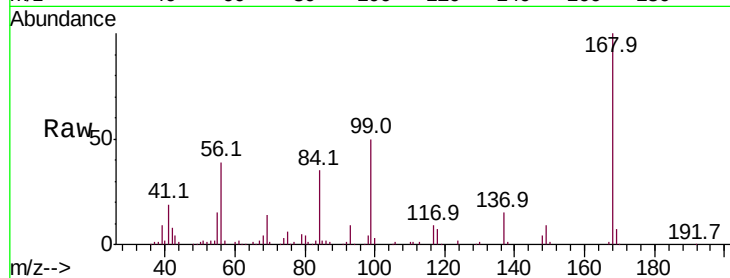
ClientSampleId :

VN0517MBS01

Tot Ion:	56	Resp:	99058
Ion Ratio	Lower	Upper	
56	100		
69	36.6	27.2	40.8
84	89.3	71.3	106.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.665 ug/l

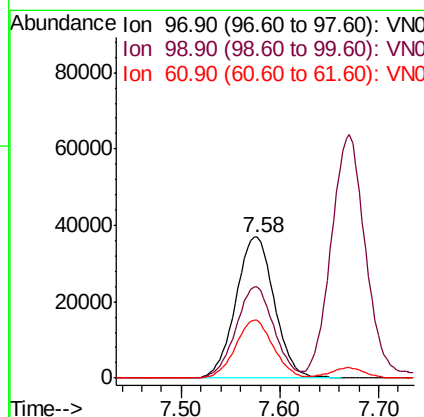
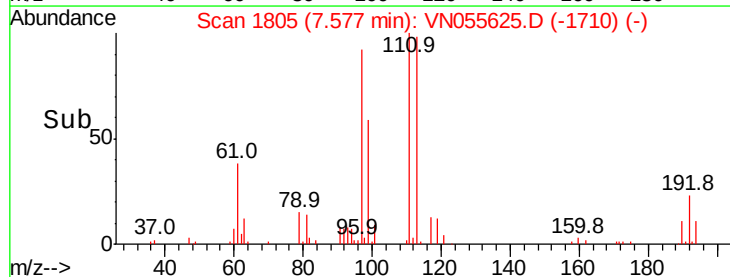
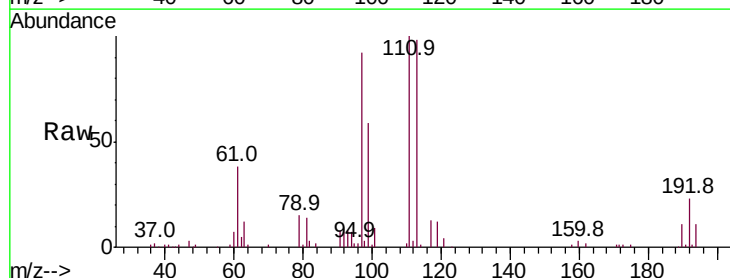
RT: 7.58 min Scan# 1805

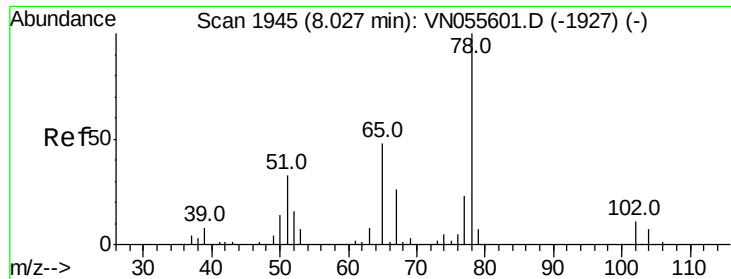
Delta R.T. 0.01 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	97	Resp:	100236
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.4	77.2
61	40.0	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 51.396 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion: 65 Resp: 182084

Ion Ratio Lower Upper

65 100

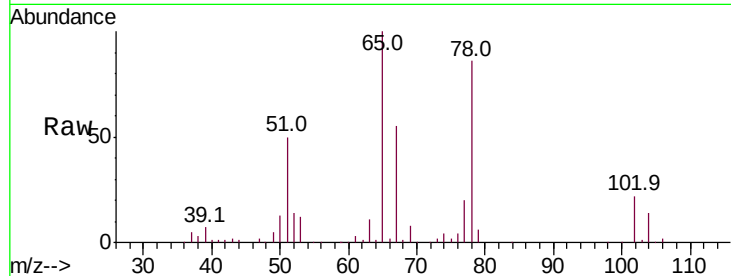
67 53.9 0.0 108.6

Manual Integrations

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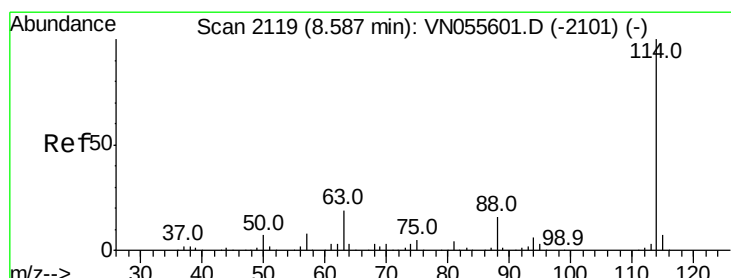
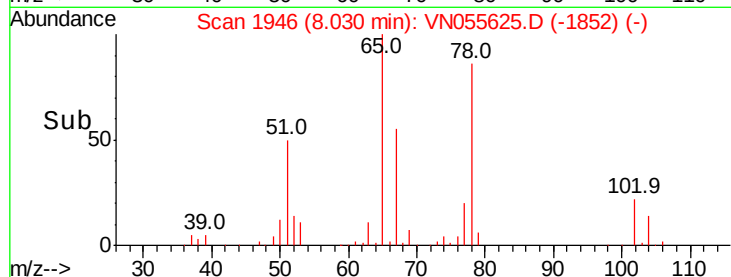
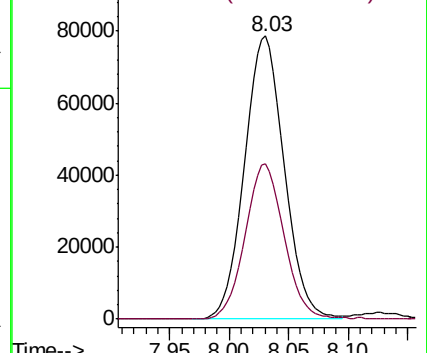
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Abundance Ion 64.90 (64.60 to 65.60): VN055601.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055601.D (-1927) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

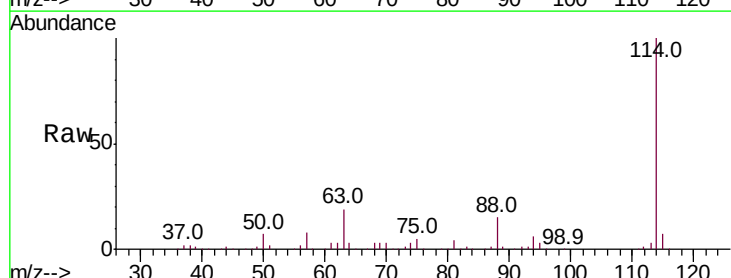
Tgt Ion: 114 Resp: 501195

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.2

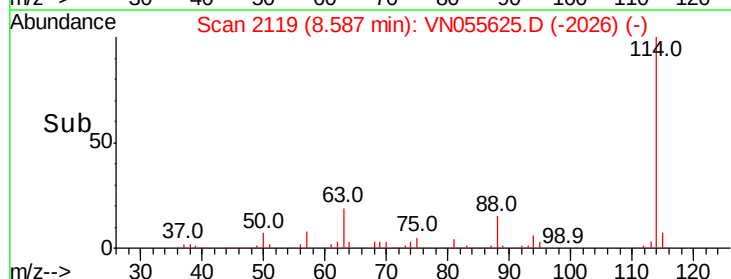
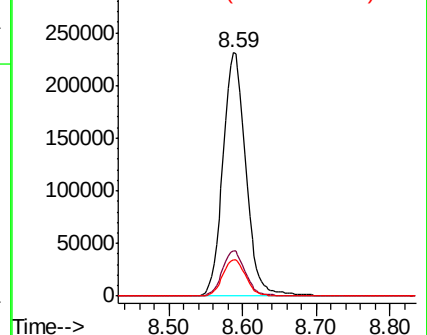
88 15.2 0.0 31.0

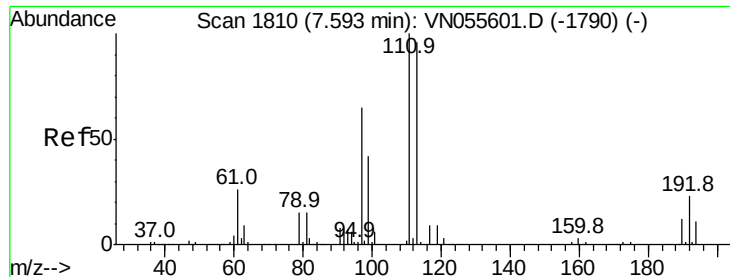


Abundance Ion 113.90 (113.60 to 114.60): VN055601.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055601.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055601.D (-2101) (-)





#35

Dibromofluoromethane

Concen: 51.389 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

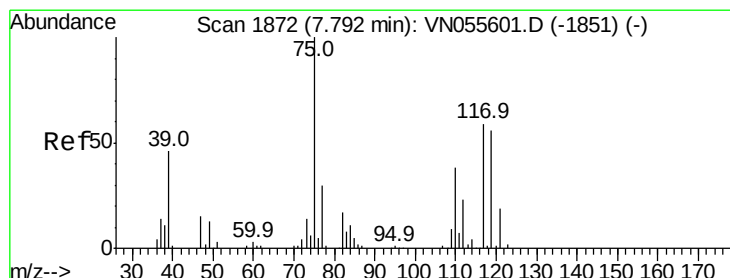
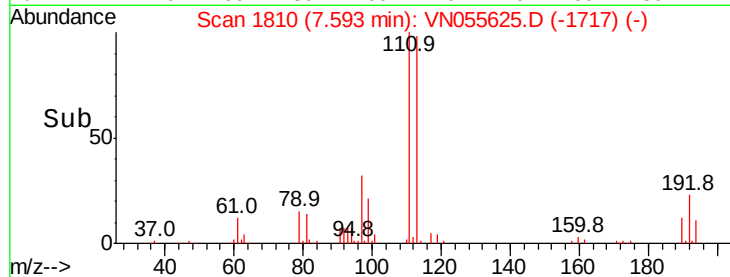
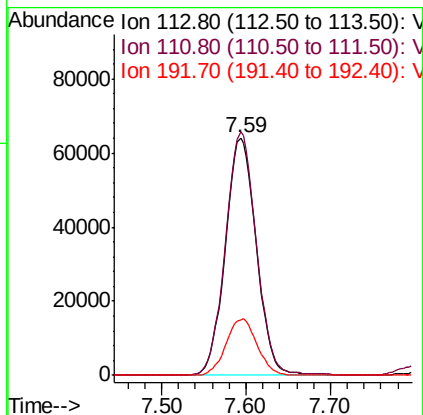
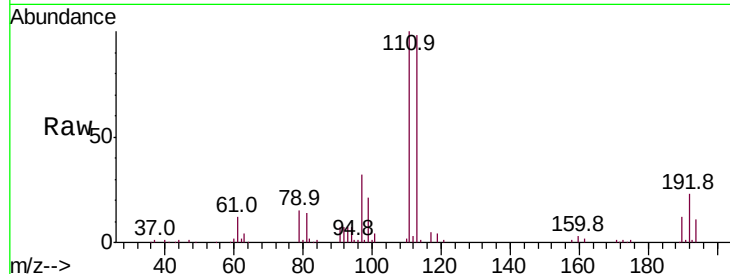
ClientSampleId :

VN0517MBS01

Tot Ion:	113	Resp:	163612
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.5	123.7
192	23.8	18.7	28.1

Manual Integrations
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5/20/2019 9:09:04 AM



#36

1,1-Dichloropropene

Concen: 18.715 ug/l

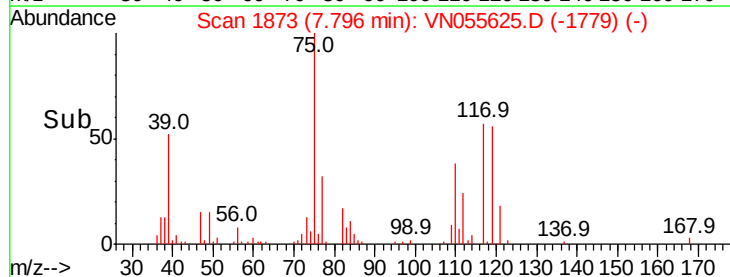
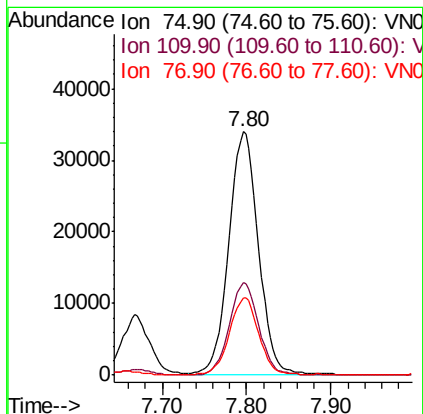
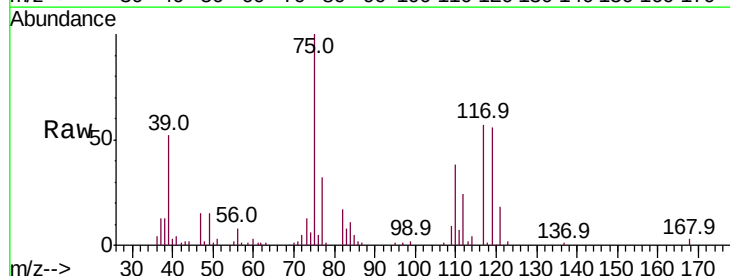
RT: 7.80 min Scan# 1873

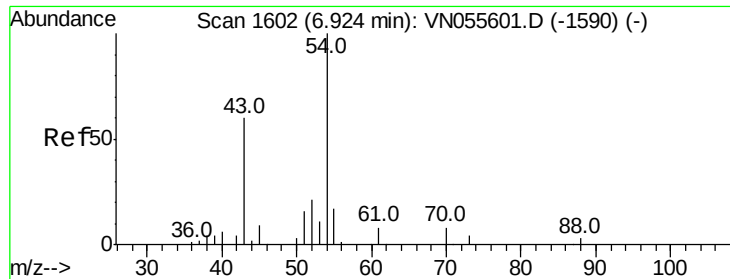
Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	75	Resp:	83626
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.6	55.6
77	31.5	24.9	37.3





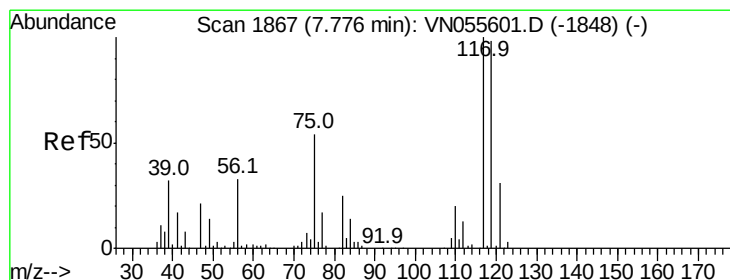
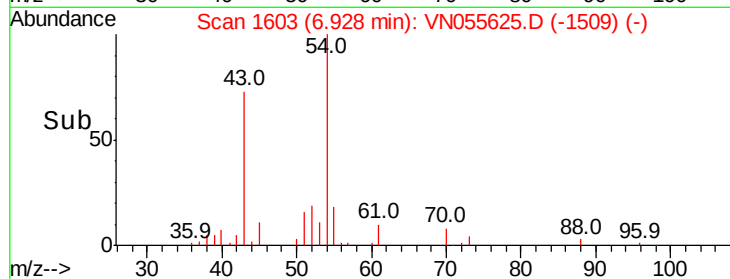
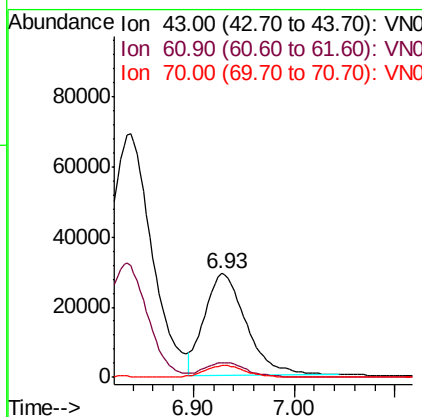
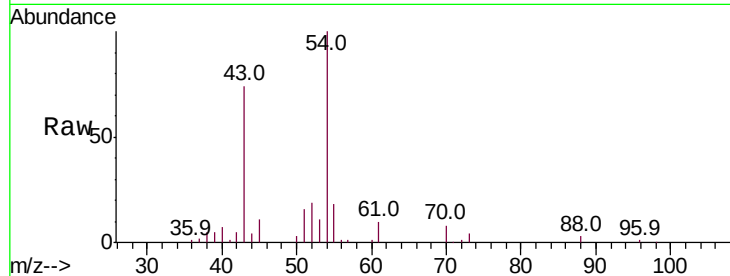
#37
Ethyl Acetate
Concen: 20.891 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion	43	61	70
Ion Ratio	100	15.1	11.6
Lower		11.4	9.2
Upper		17.0	13.8

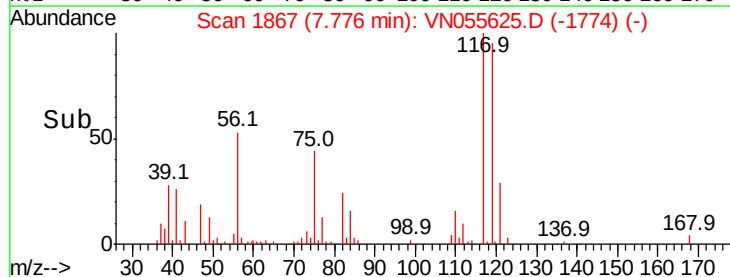
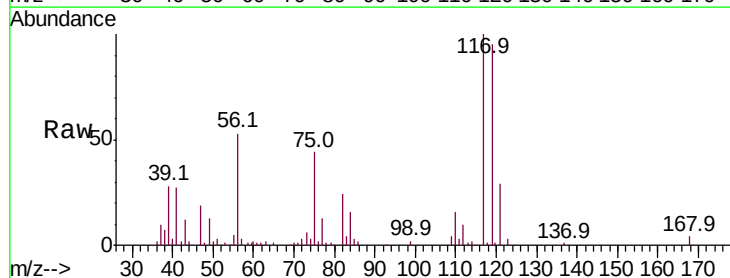
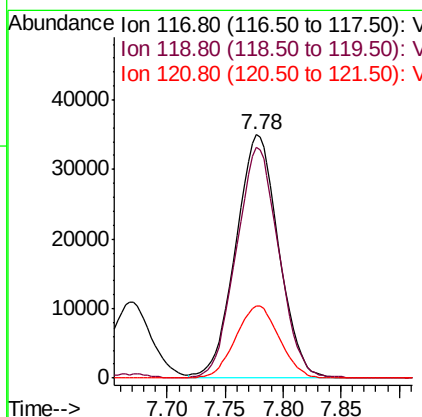
Manual Integrations
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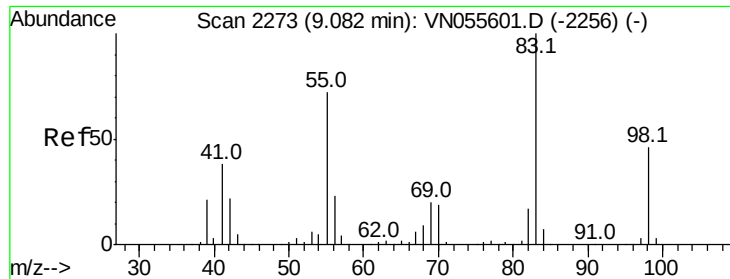
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#38
Carbon Tetrachloride
Concen: 18.798 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	117	119	121
Ion Ratio	100	94.6	29.5
Lower		77.8	24.6
Upper		116.8	37.0





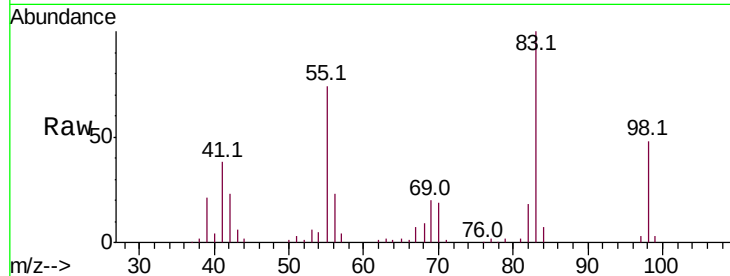
#39
Methylvlcyclohexane
Concen: 17.619 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion	83	Resp	94905
Ion Ratio	100	Lower	Upper
83	100		
55	73.1	57.8	86.6
98	48.1	36.7	55.1

Manual Integrations
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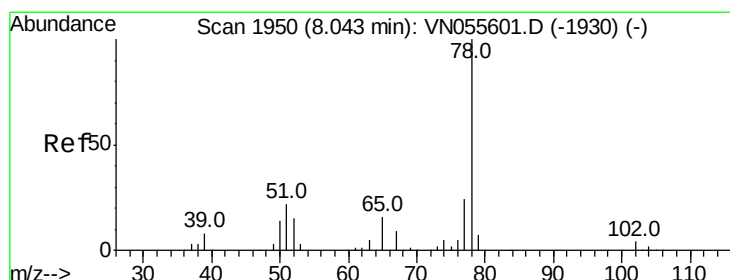
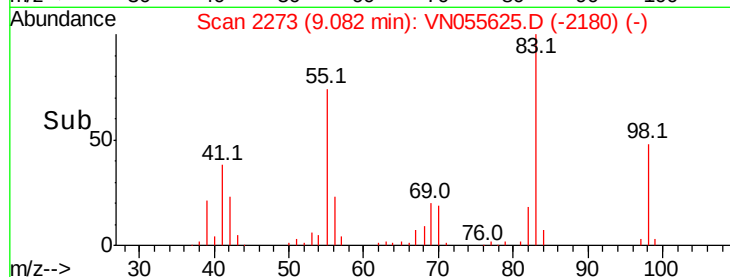
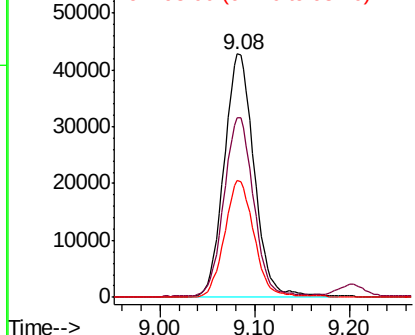
MMDadoda
5/20/2019 9:09:04 AM



Abundance Ion 83.00 (82.70 to 83.70): VN055625.D (-2180) (-)

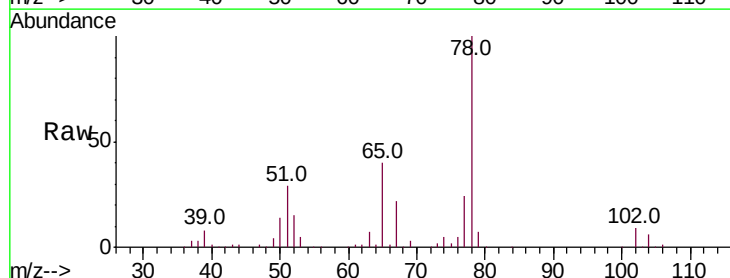
Ion 55.00 (54.70 to 55.70): VN055625.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN055625.D (-2180) (-)



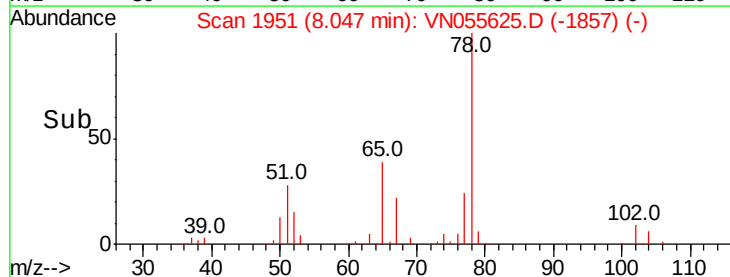
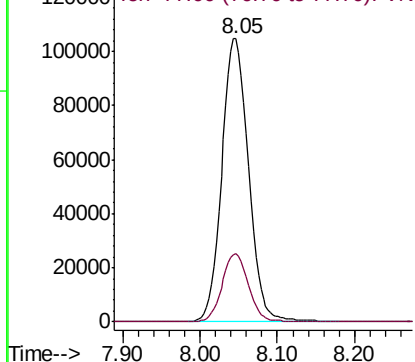
#40
Benzene
Concen: 19.107 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

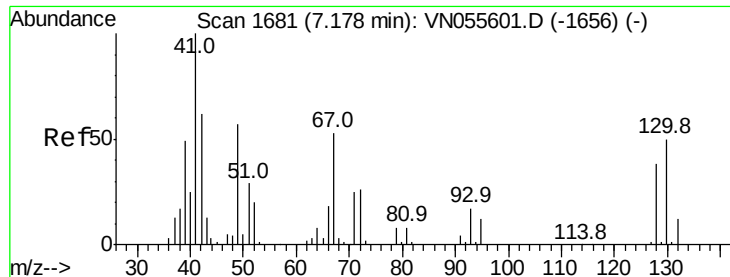
Tgt Ion	78	Resp	251129
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN055625.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN055625.D (-1857) (-)





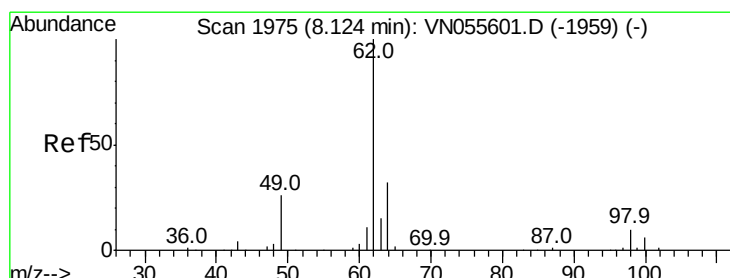
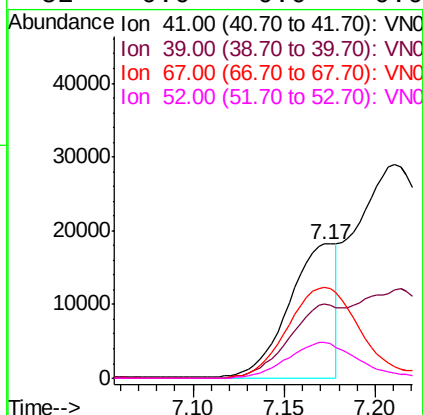
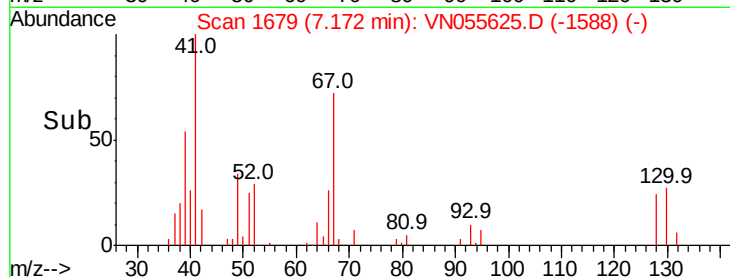
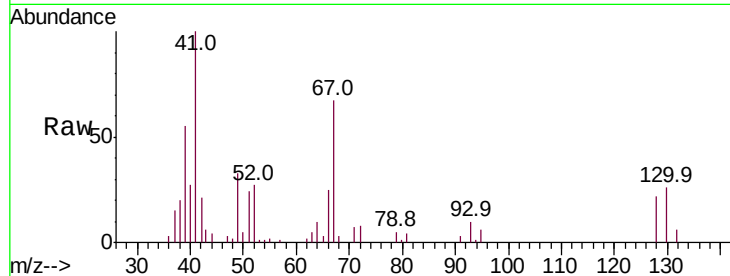
#41
Methacrylonitrile
Concen: 19.354 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

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

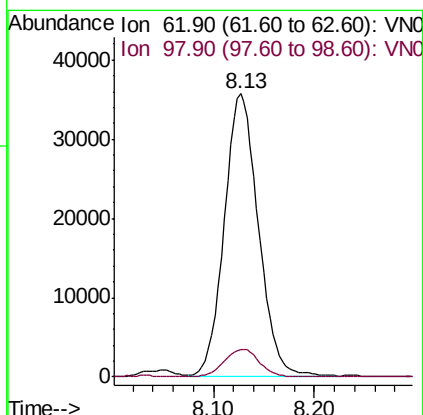
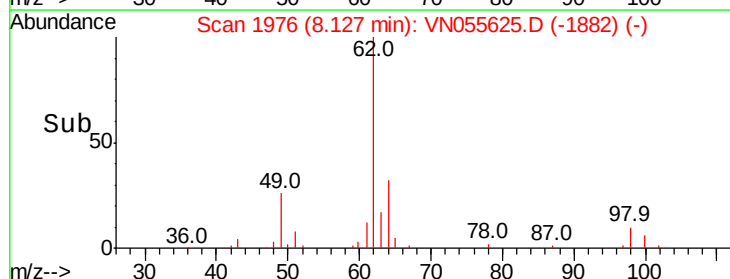
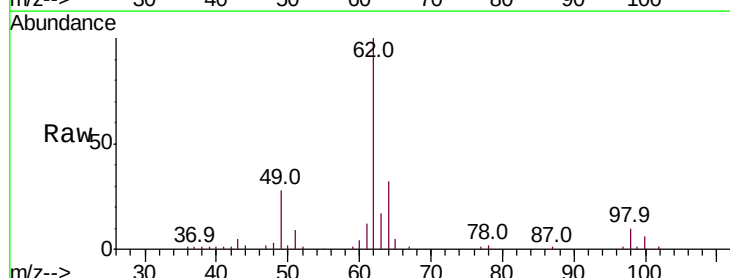
Manual Integrations
APPROVED

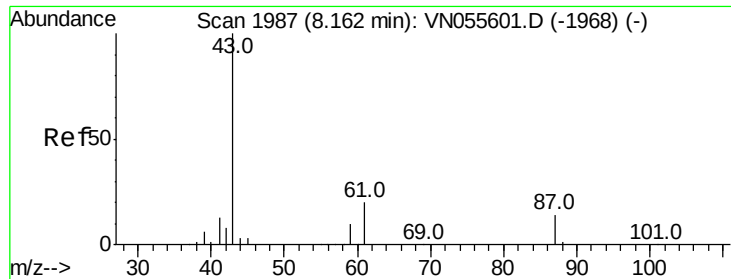
MMDadoda
5/20/2019 9:09:04 AM



#42
1,2-Dichloroethane
Concen: 19.828 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.380 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

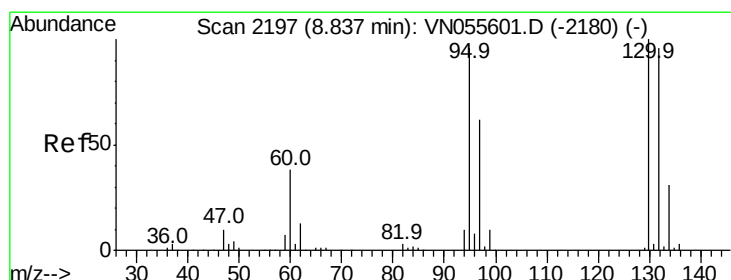
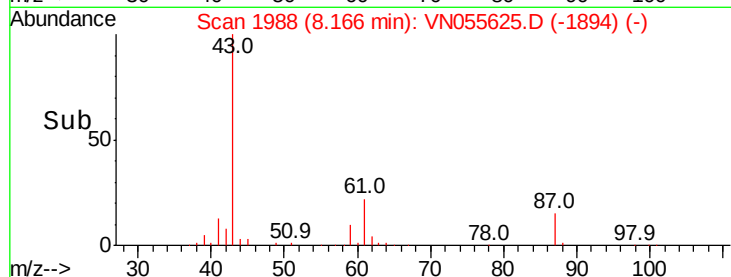
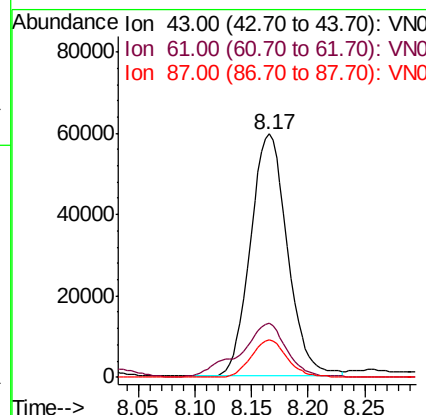
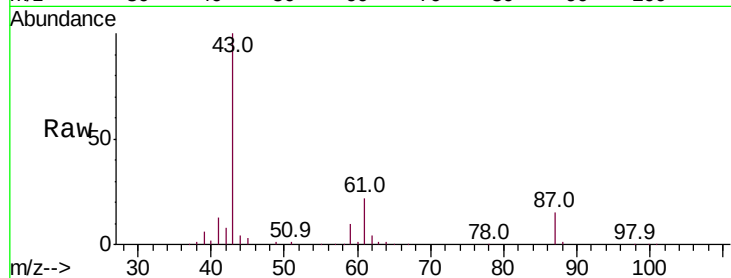
ClientSampleId :

VN0517MBS01

Tot Ion:	43	Resp:	135930
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.1	33.1
87	15.2	11.8	17.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.548 ug/l

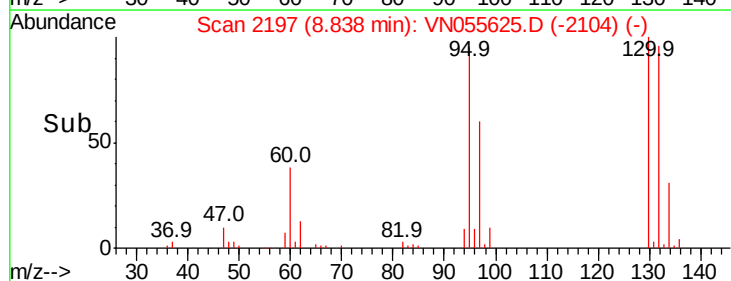
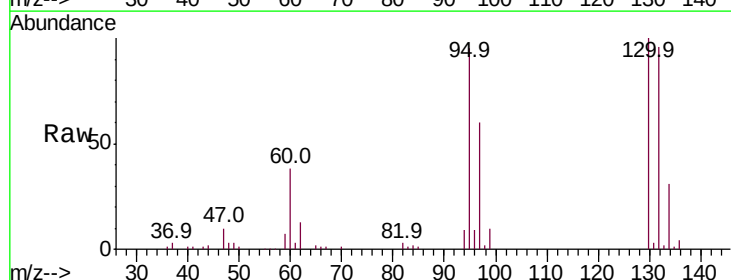
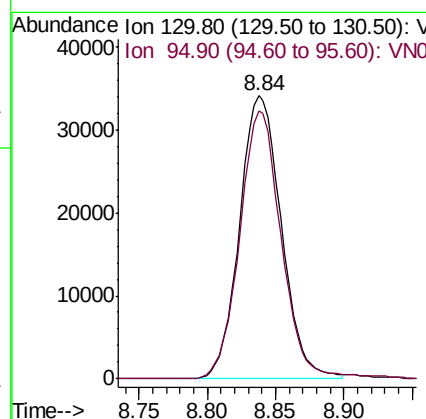
RT: 8.84 min Scan# 2197

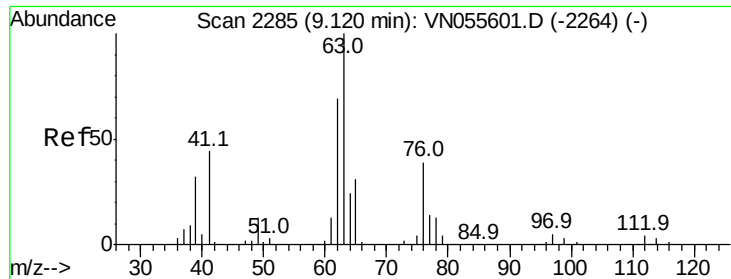
Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	130	Resp:	72497
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	191.0





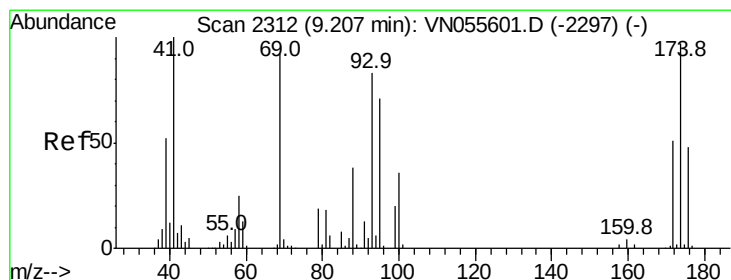
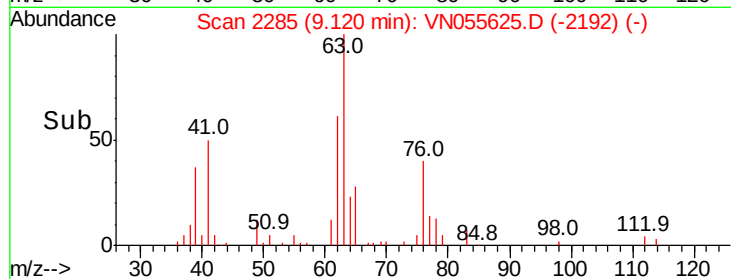
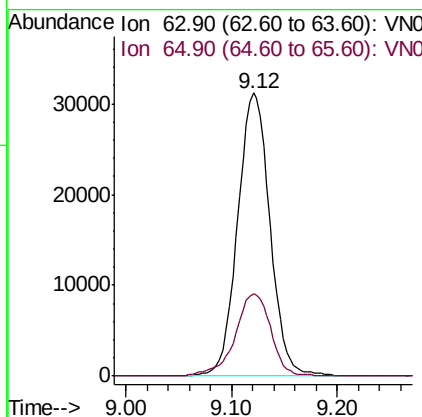
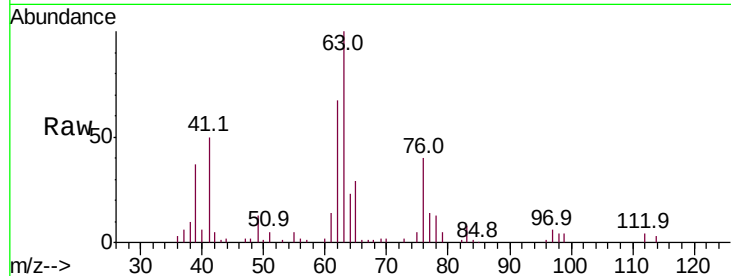
#45
 1,2-Dichloropropane
 Concen: 19.173 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion: 63 Resp: 66385
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.2 37.8

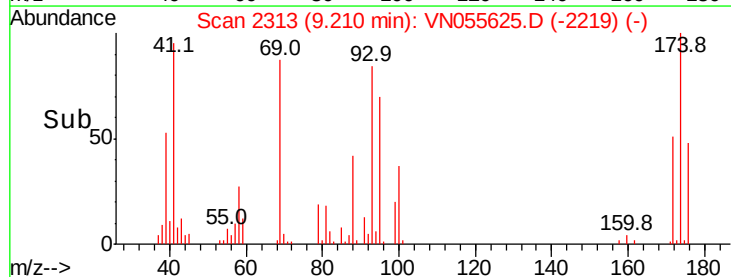
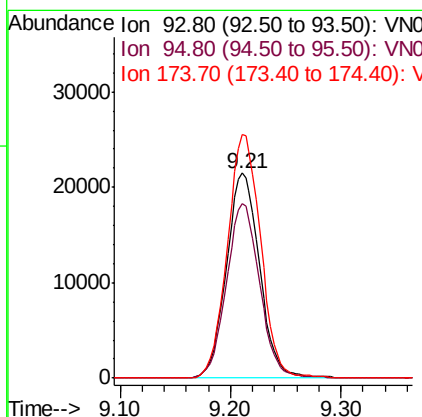
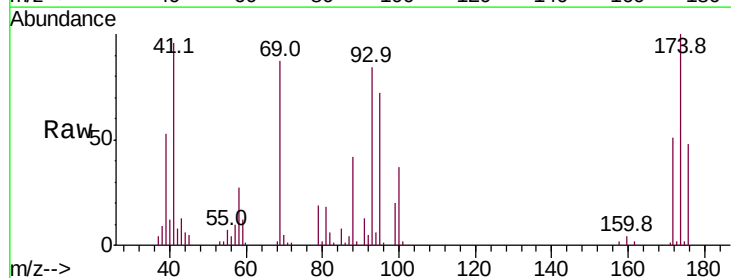
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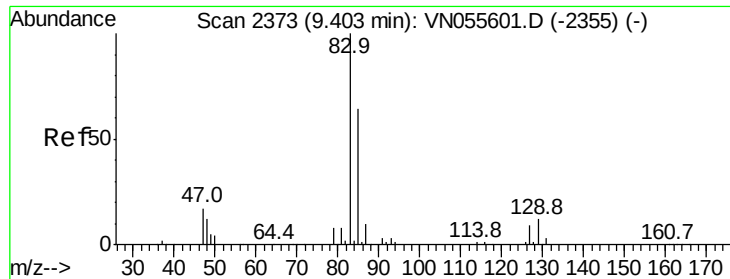
MMDadoda
 5/20/2019 9:09:04 AM



#46
 Dibromomethane
 Concen: 19.814 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion: 93 Resp: 44902
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.9 101.9
 174 118.7 93.8 140.6





#47

Bromodichloromethane

Concen: 18.987 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

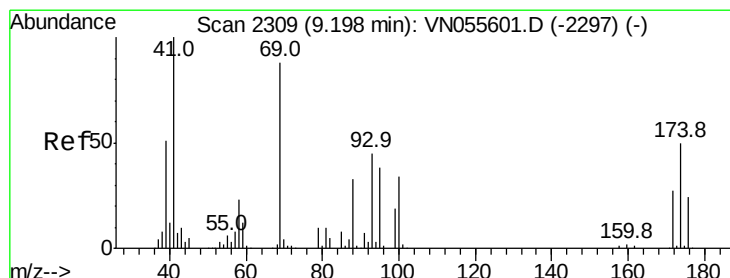
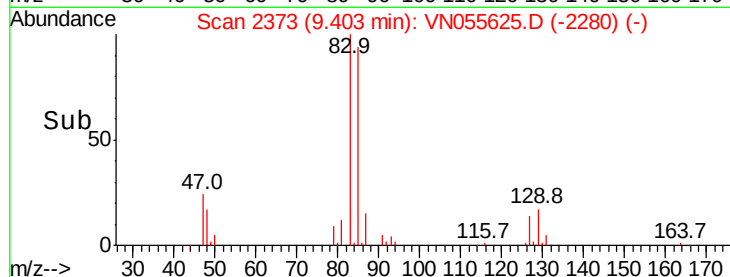
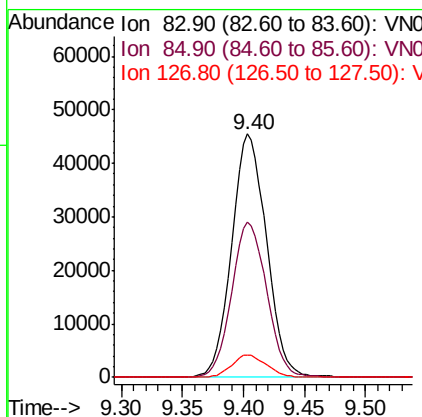
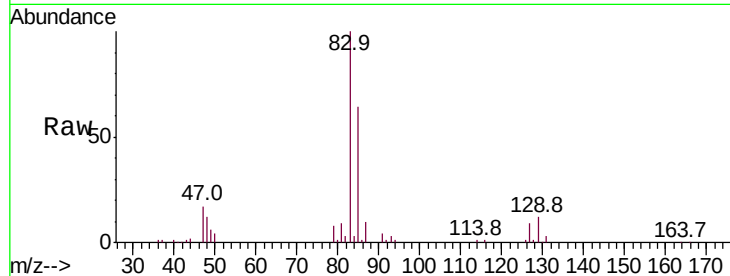
ClientSampleId :

VN0517MBS01

Tot Ion:	83	Resp:	90181
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.0
127	9.3	7.1	10.7

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#48

Methyl methacrylate

Concen: 19.142 ug/l

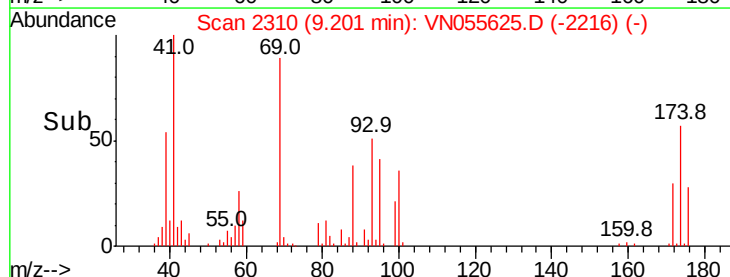
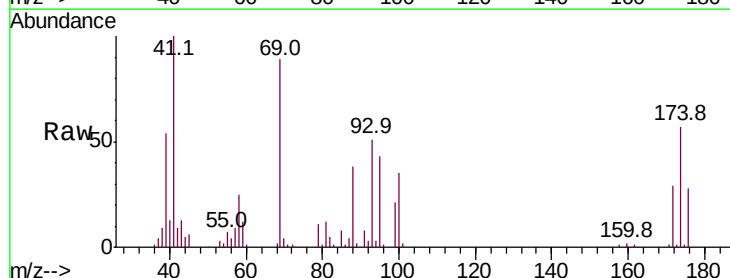
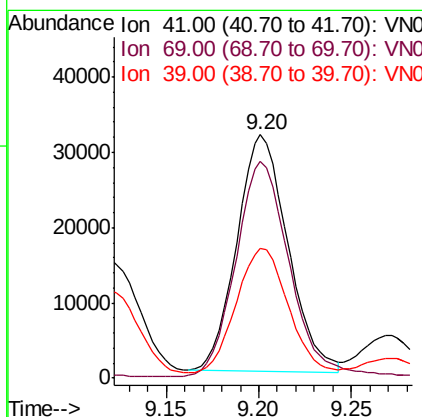
RT: 9.20 min Scan# 2310

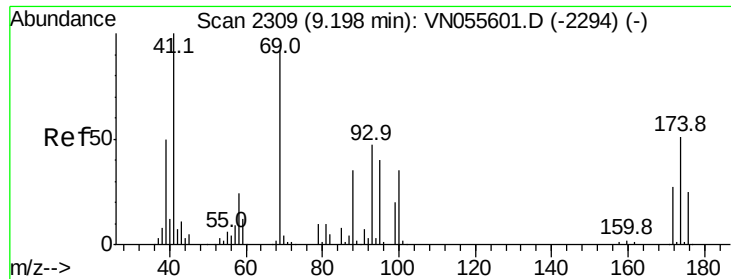
Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	41	Resp:	60010
Ion Ratio	Lower	Upper	
41	100		
69	99.2	74.2	111.2
39	58.9	43.8	65.8





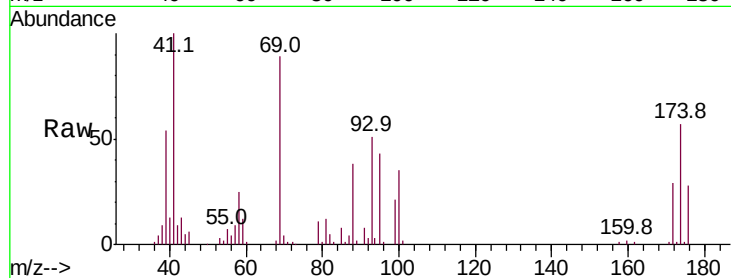
#49
1,4-Dioxane
Concen: 457.801 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

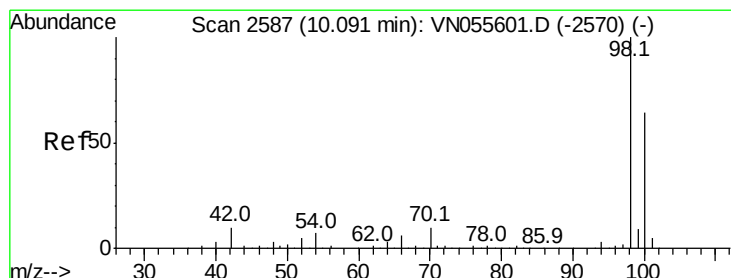
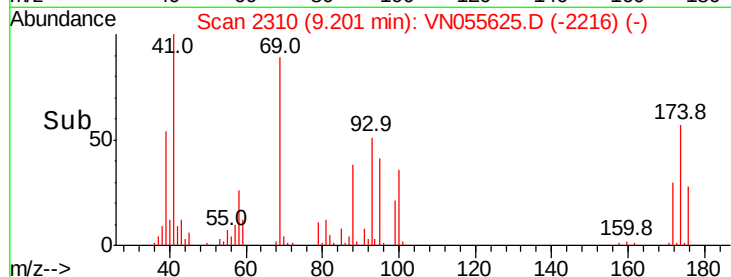
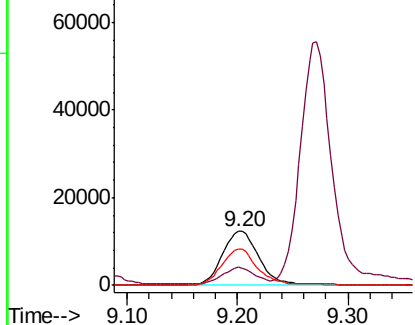
Tot Ion	88	Resp	28519
Ion	Ratio	Lower	Upper
88	100		
43	27.4	22.4	33.6
58	65.1	53.4	80.2

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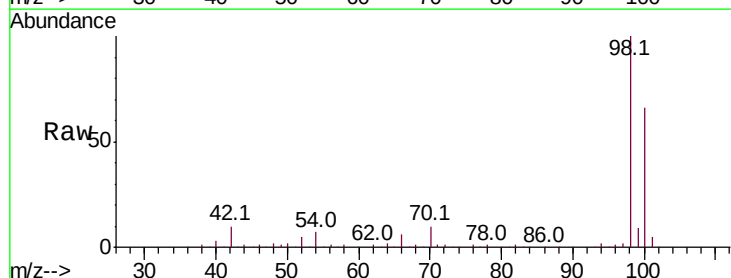


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

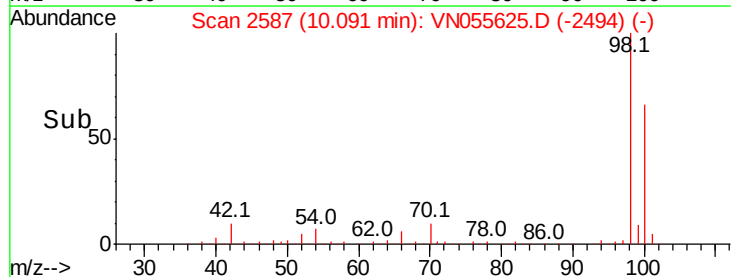
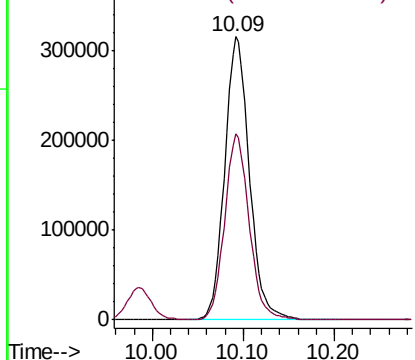


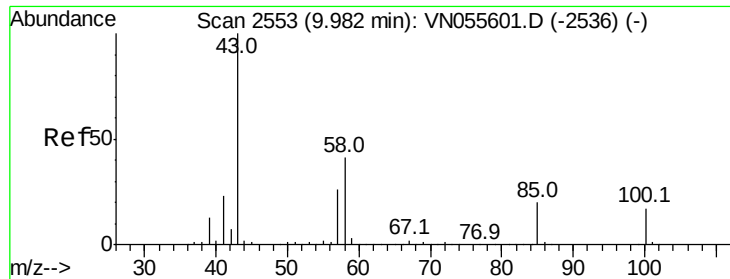
#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	98	Resp	595360
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.574 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion: 43 Resp: 405565

Ion Ratio Lower Upper

43 100

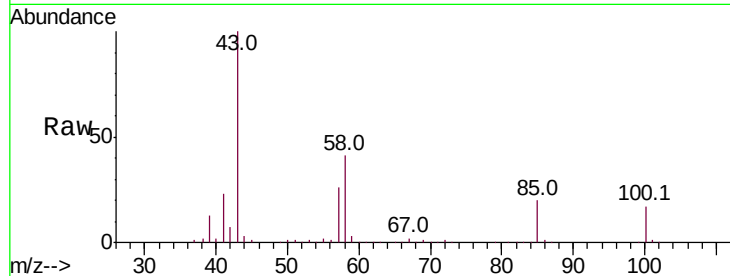
58 41.0 32.7 49.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

200000

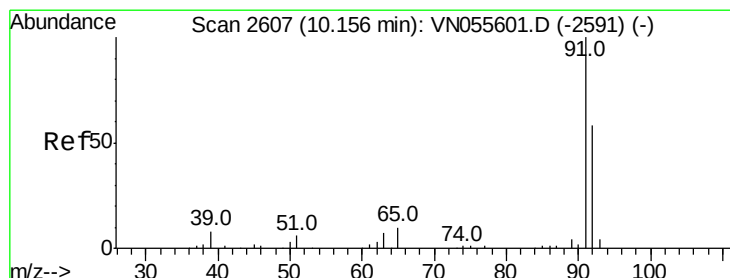
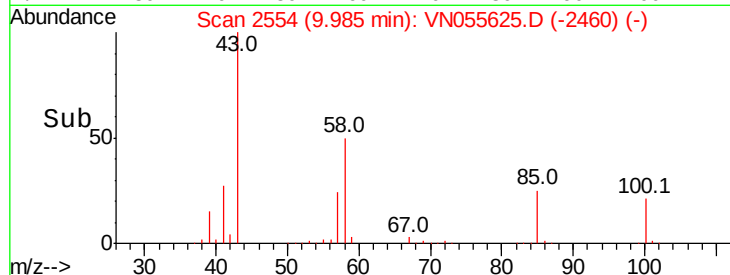
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.108 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055625.D

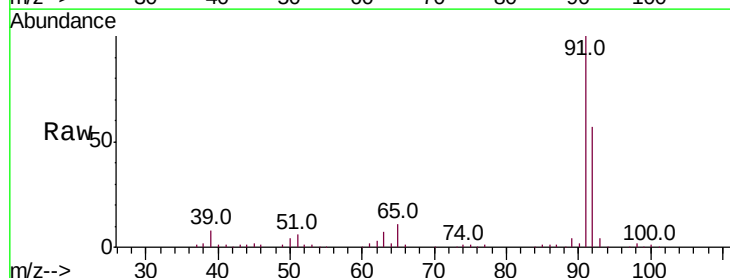
Acq: 17 May 2019 21:05

Tgt Ion: 92 Resp: 157518

Ion Ratio Lower Upper

92 100

91 173.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

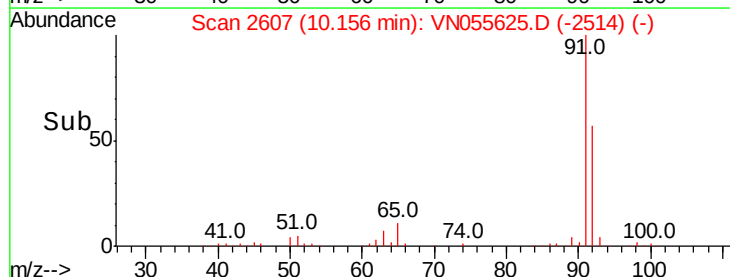
150000

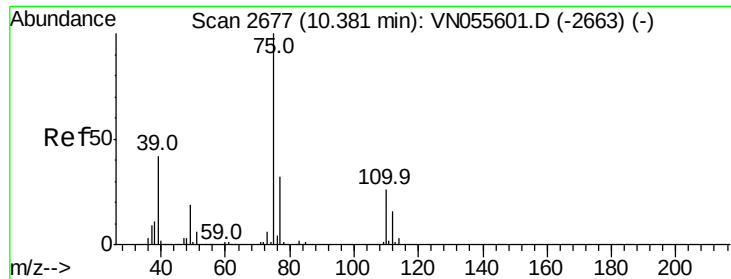
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.167 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

VN0517MBS01

Tot Ion: 75 Resp: 92867

Ion Ratio Lower Upper

75 100

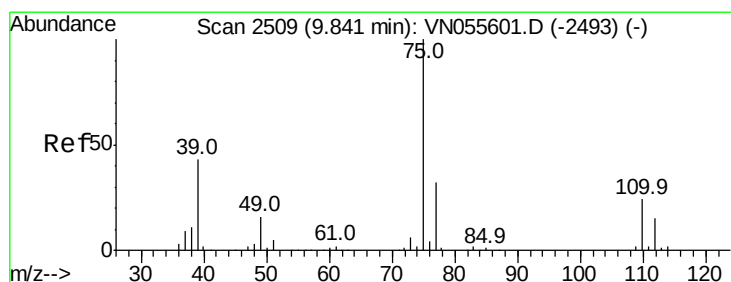
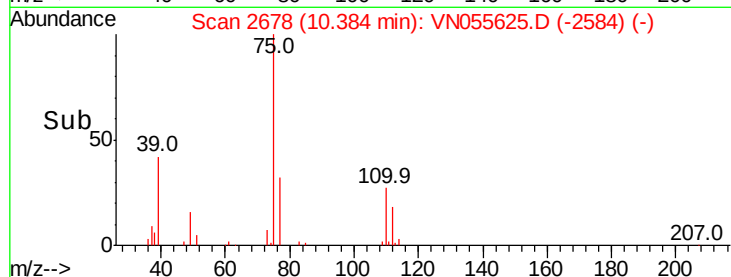
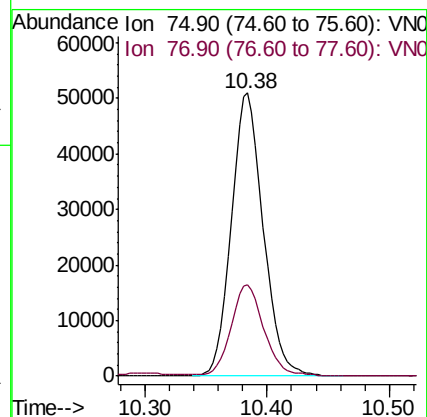
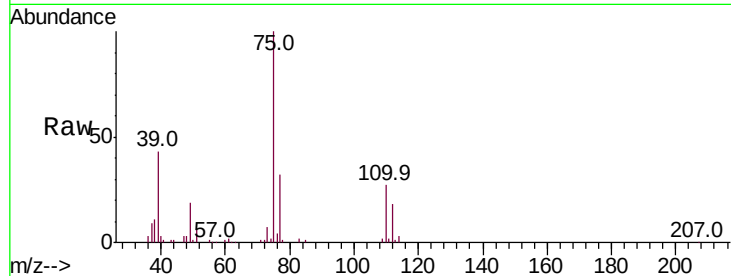
77 31.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.470 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

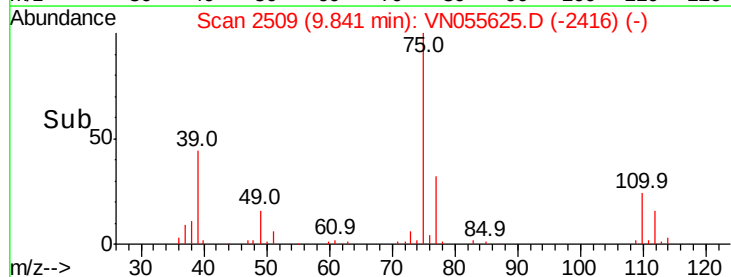
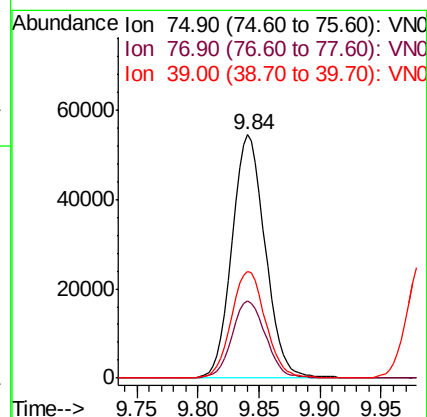
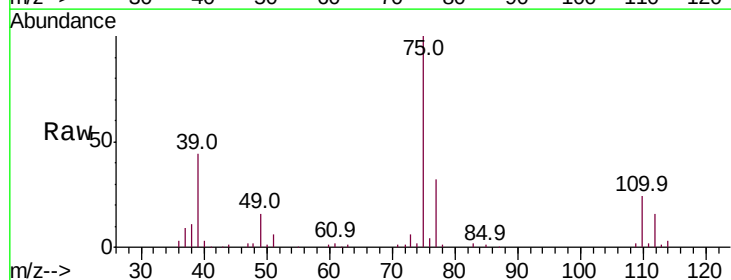
Tgt Ion: 75 Resp: 103432

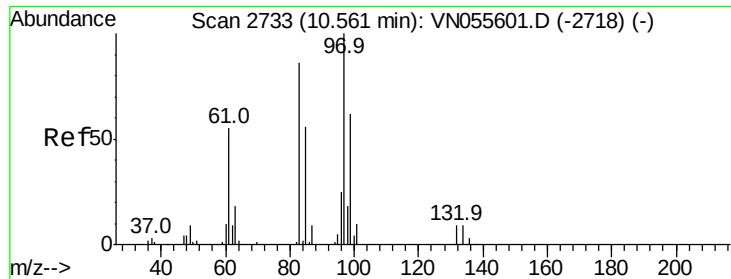
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 43.5 34.7 52.1





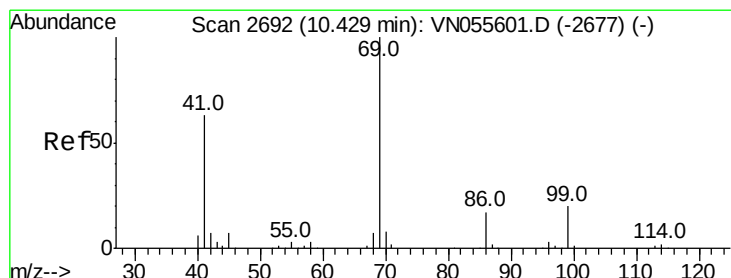
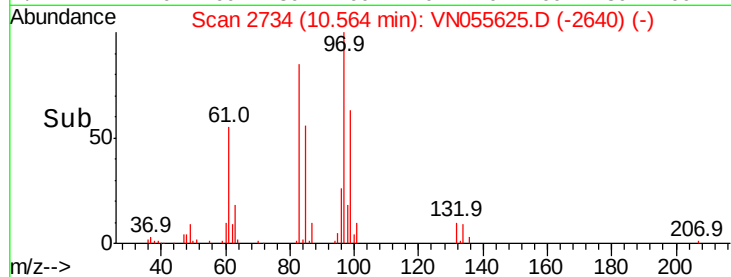
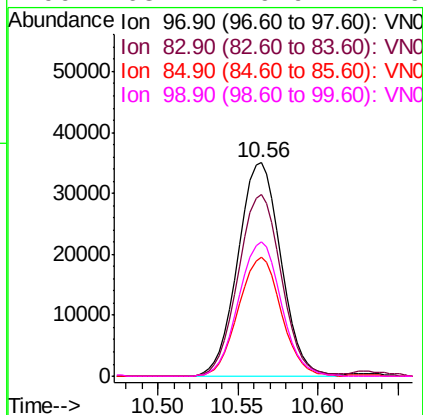
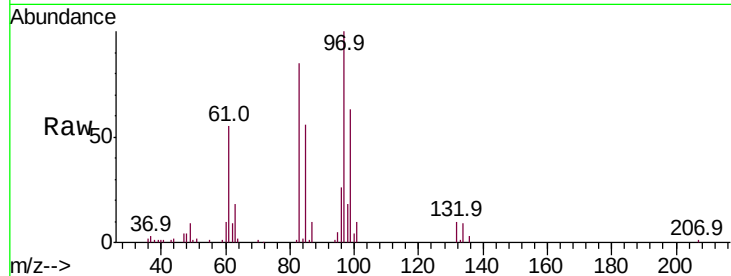
#55
 1,1,2-Trichloroethane
 Concen: 18.978 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	97	Resp	64407
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.4	102.6
85	55.6	44.8	67.2
99	63.1	49.9	74.9

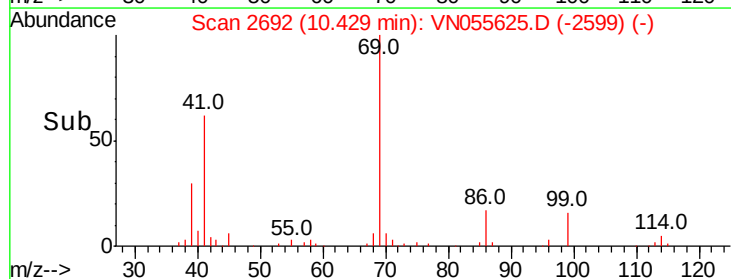
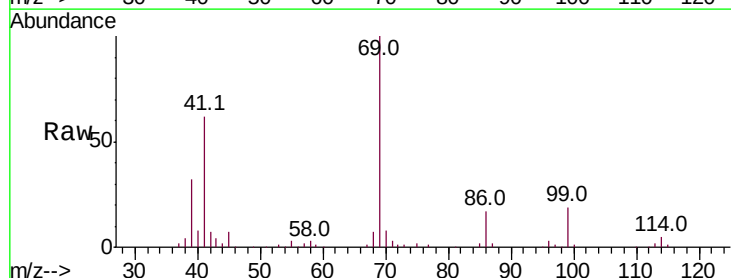
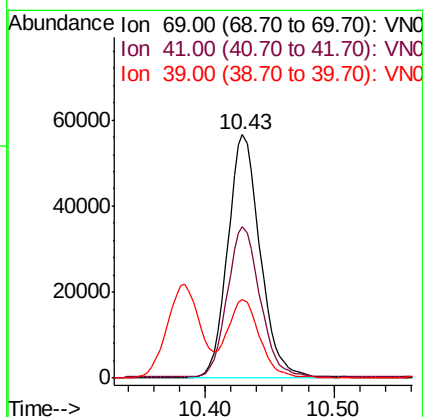
Manual Integrations
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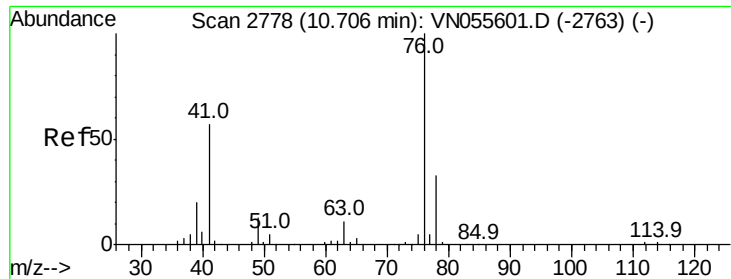
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#56
 Ethyl methacrylate
 Concen: 18.649 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	69	Resp	98799
Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.3	75.5
39	33.1	25.4	38.2





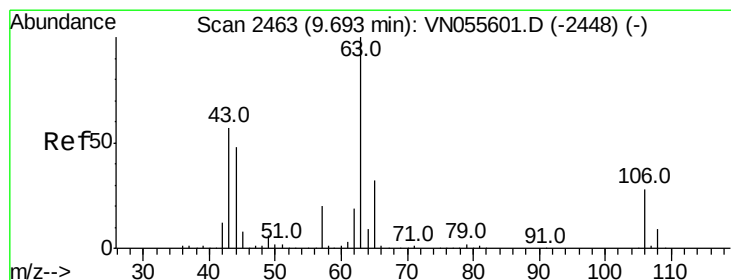
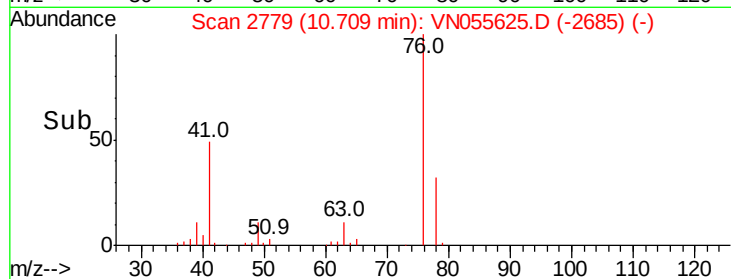
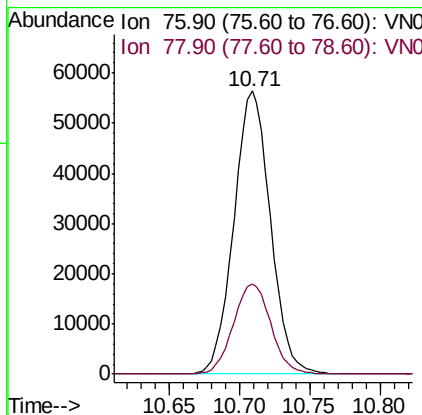
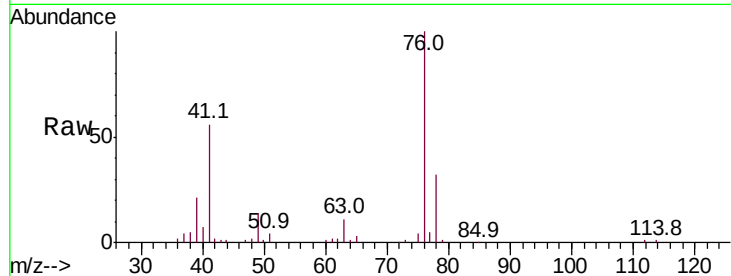
#57
 1,3-Dichloropropane
 Concen: 19.062 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.5	39.7

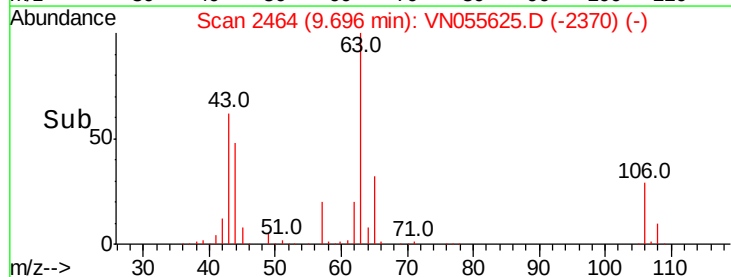
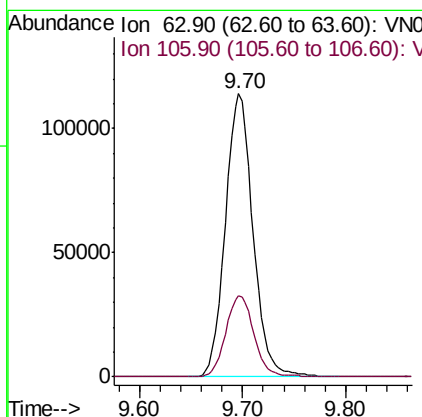
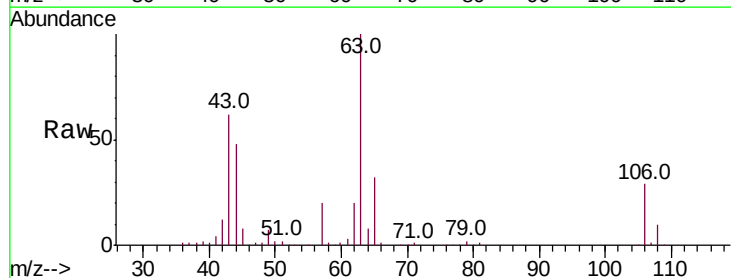
Manual Integrations
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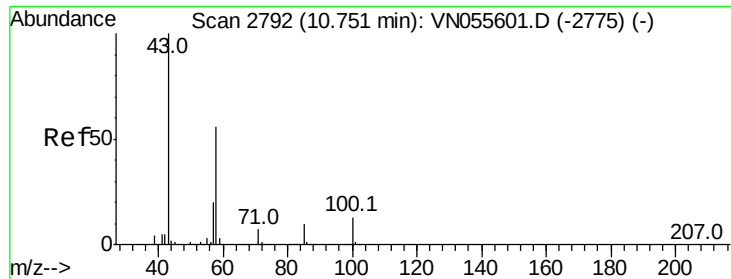
MMDadoda
 5/20/2019 9:09:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.642 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.0	34.6





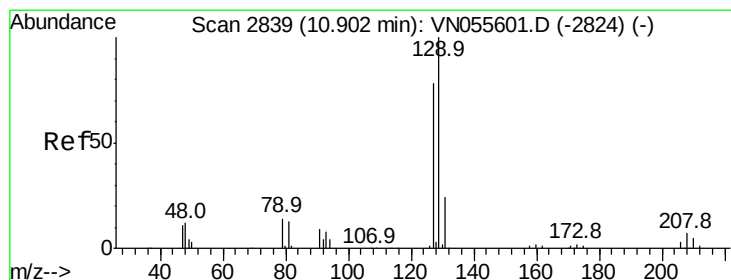
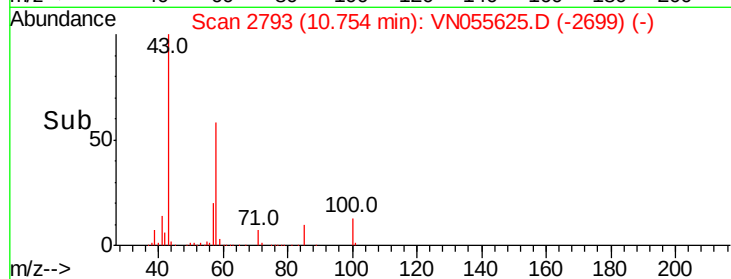
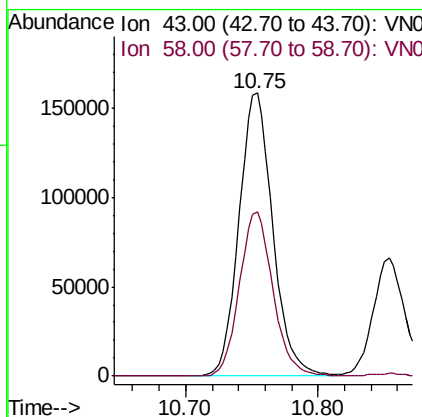
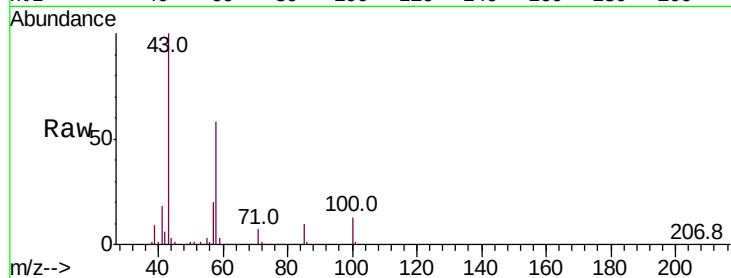
#59
2-Hexanone
Concen: 96.272 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion: 43 Resp: 278871
Ion Ratio Lower Upper
43 100
58 57.8 28.1 84.4

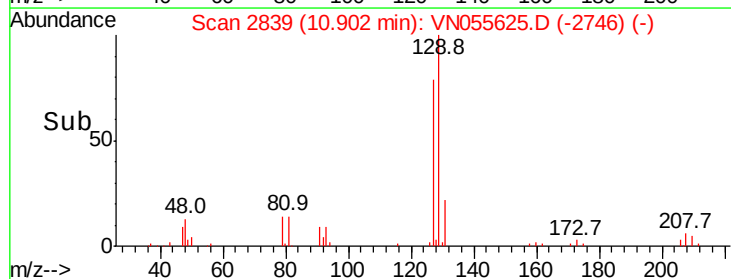
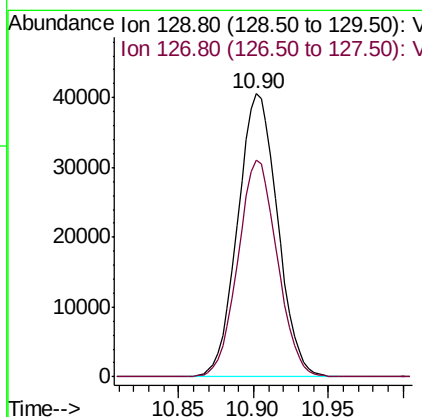
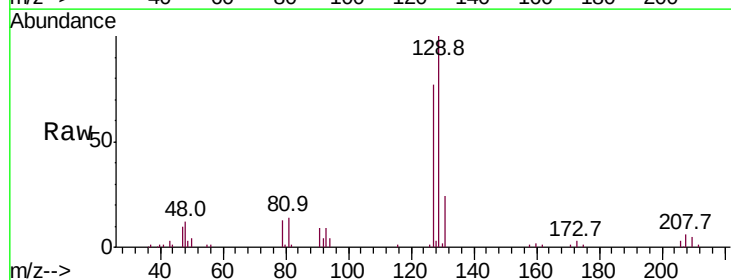
Manual Integrations
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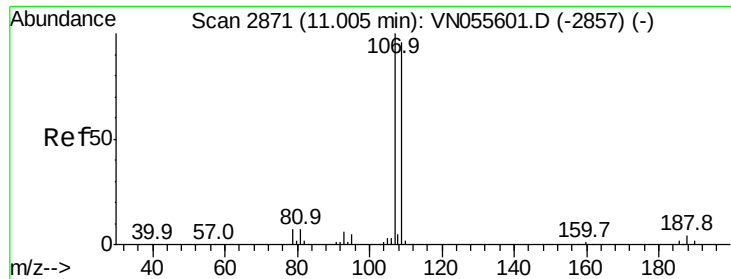
MMDadoda
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#60
Dibromochloromethane
Concen: 19.584 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion: 129 Resp: 75327
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.8





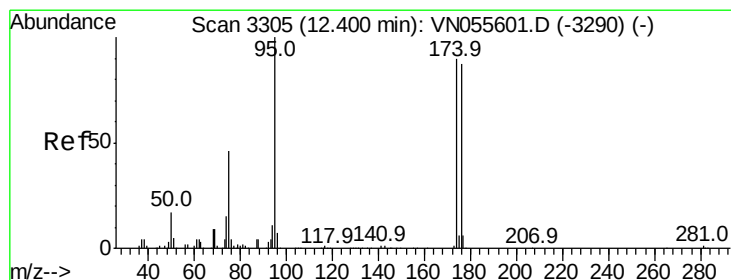
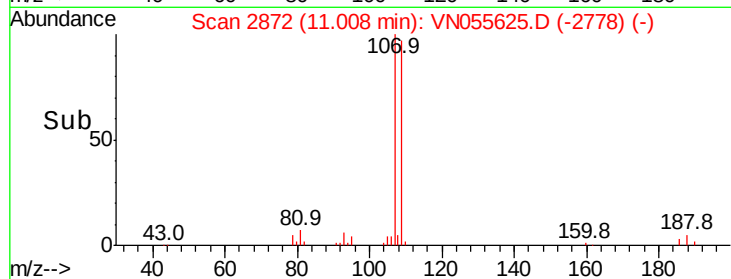
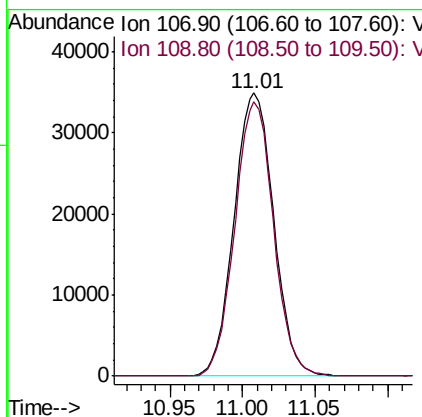
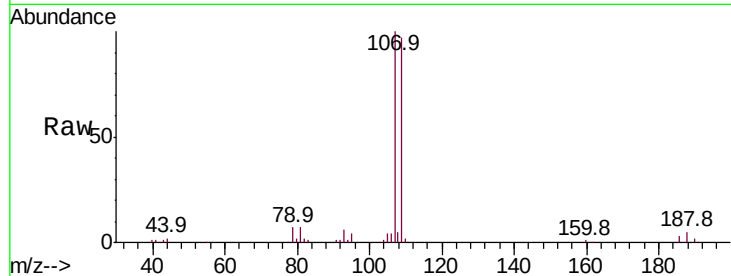
#61
 1,2-Dibromoethane
 Concen: 19.512 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

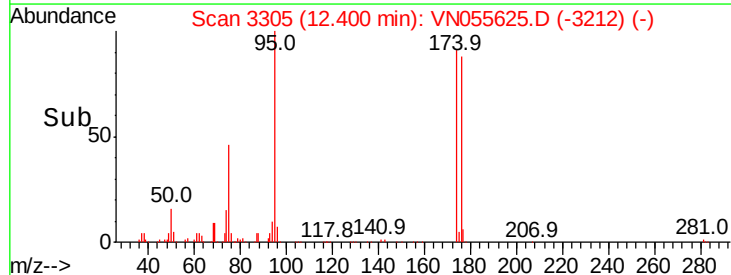
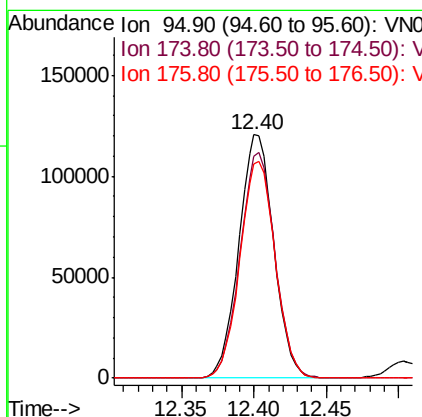
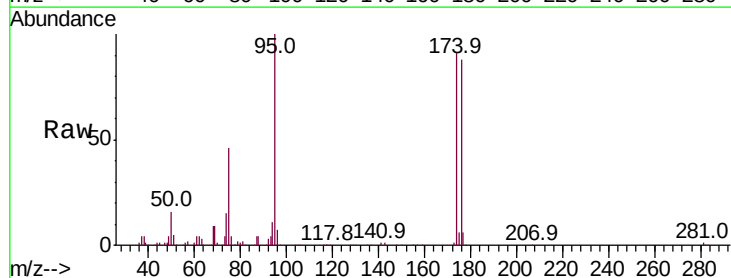
Manual Integrations
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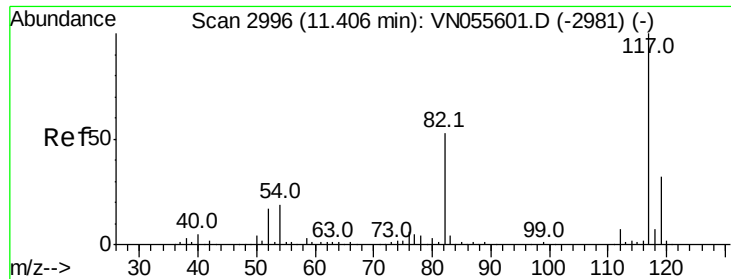
MMDadoda
 5/20/2019 9:09:04 AM



#62
 4-Bromofluorobenzene
 Concen: 48.476 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	180.6
176	90.1	0.0	177.4





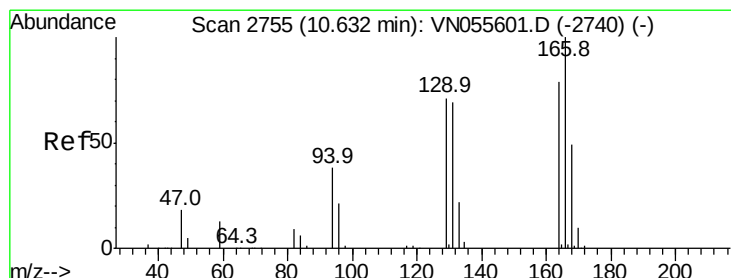
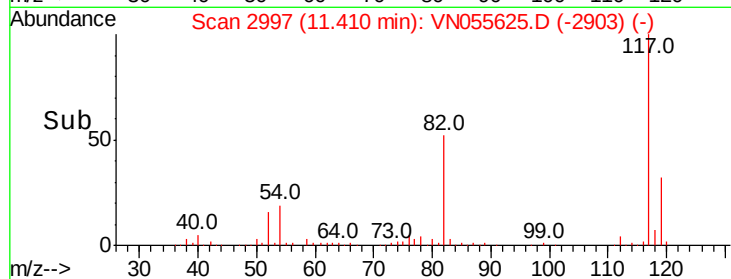
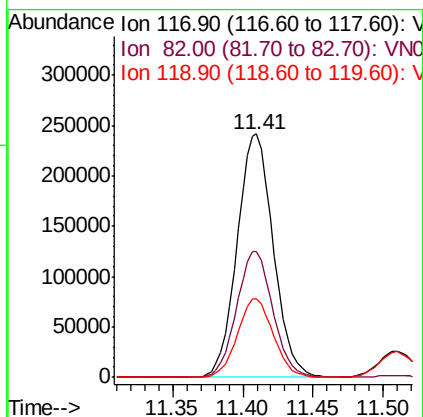
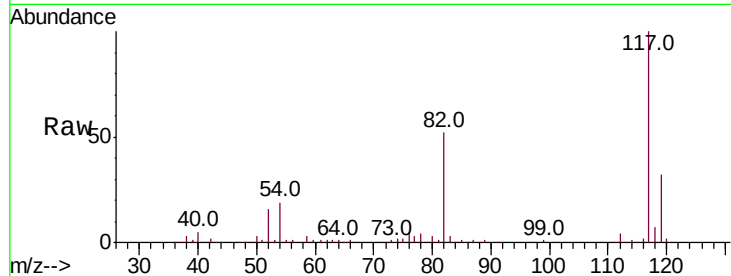
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.3	63.5
119	32.4	25.4	38.2

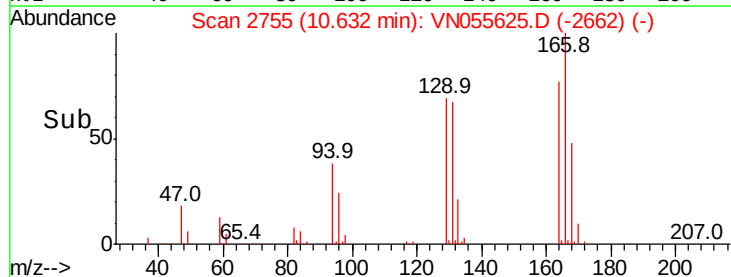
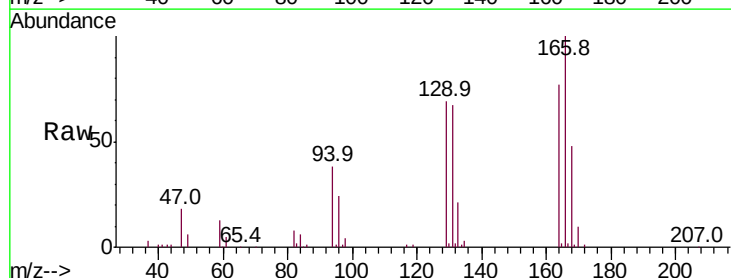
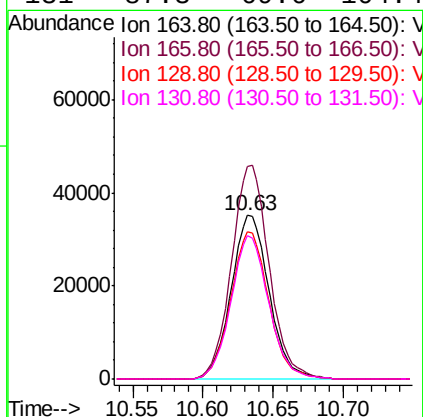
Manual Integrations
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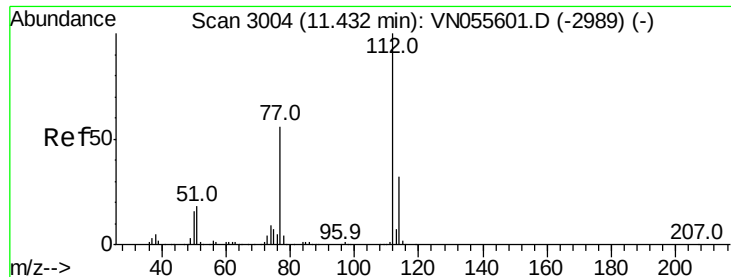
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#64
Tetrachloroethene
Concen: 19.359 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.0	151.6
129	90.2	71.7	107.5
131	87.3	69.6	104.4





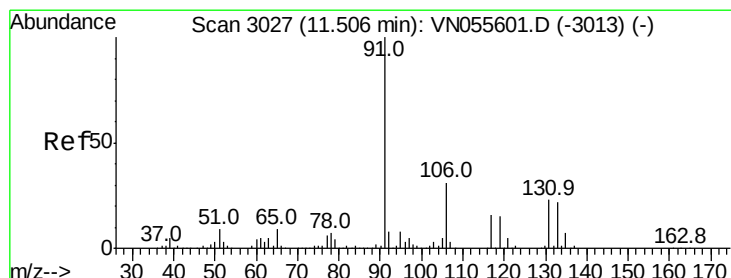
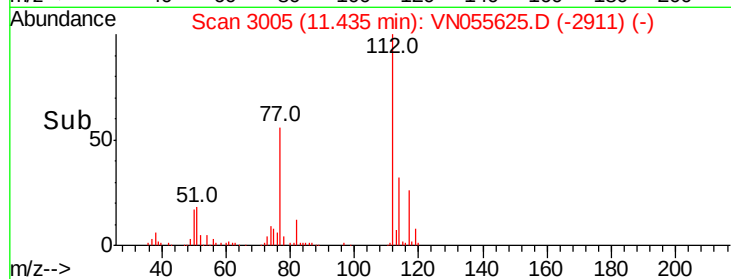
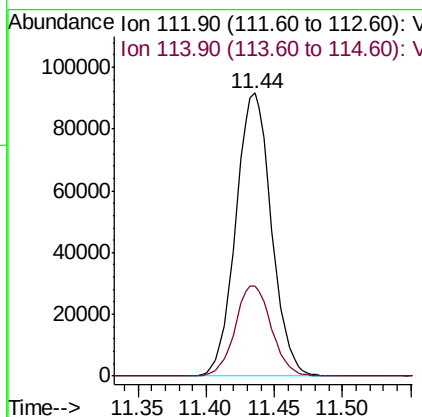
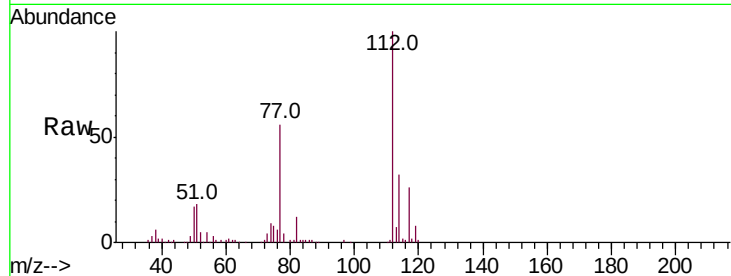
#65
Chlorobenzene
Concen: 18.900 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion:112 Resp: 165936
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

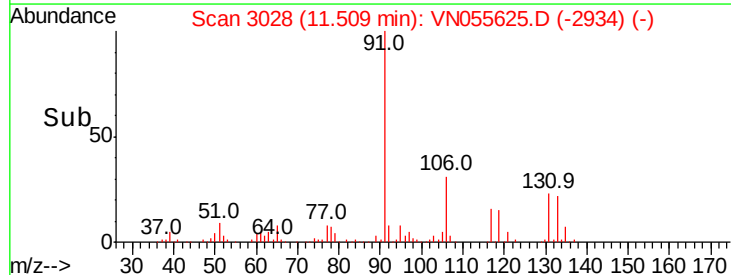
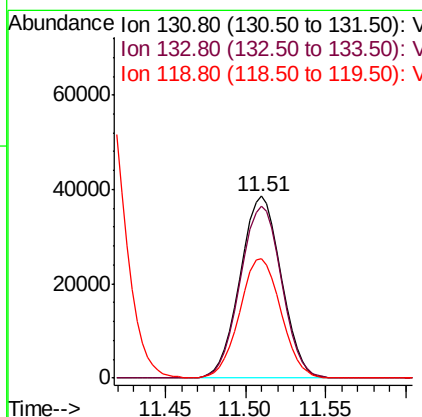
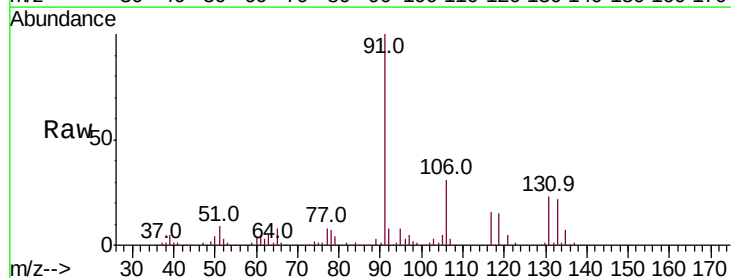
Manual Integrations
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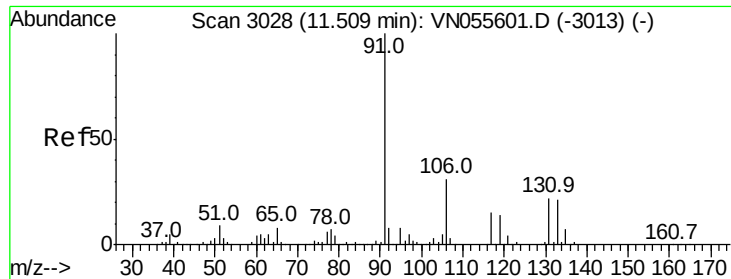
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.198 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion:131 Resp: 67810
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.4
119 65.8 33.3 99.8





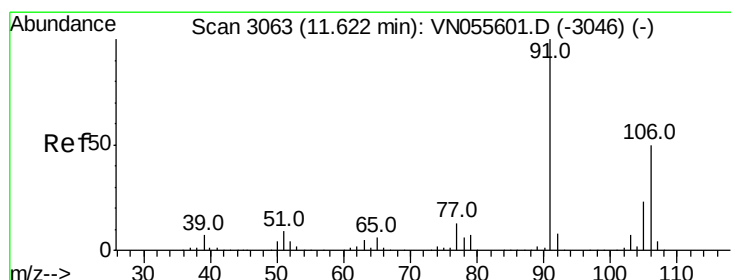
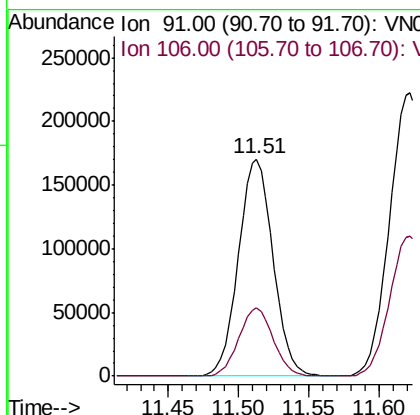
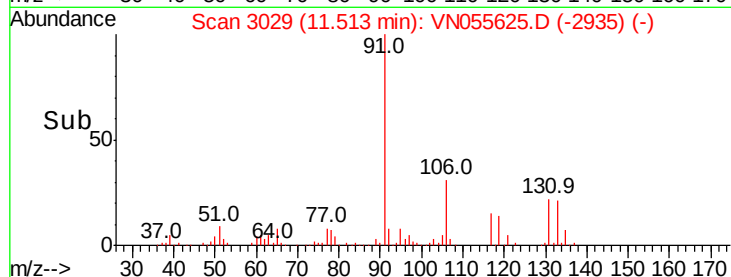
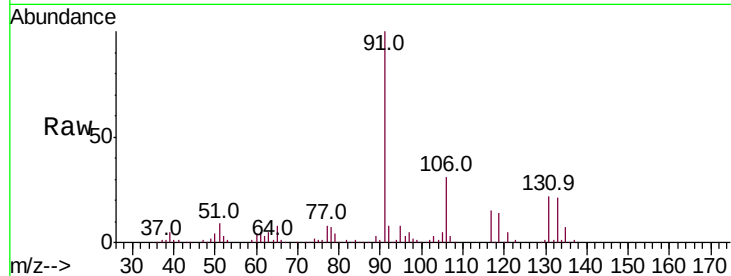
#67
Ethyl Benzene
Concen: 18.724 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion: 91 Resp: 292863
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

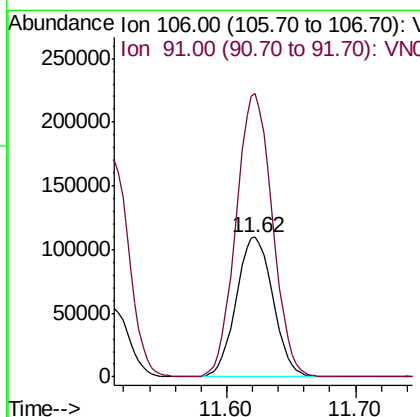
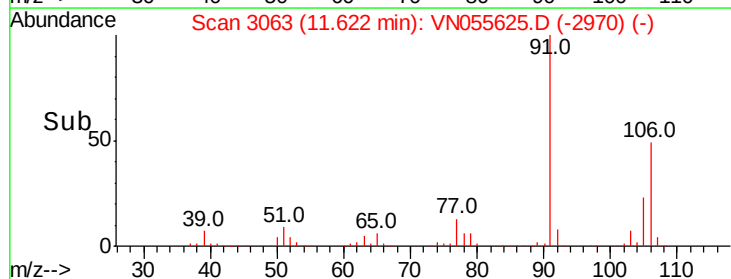
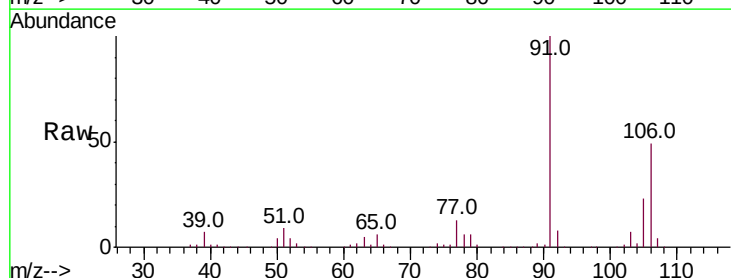
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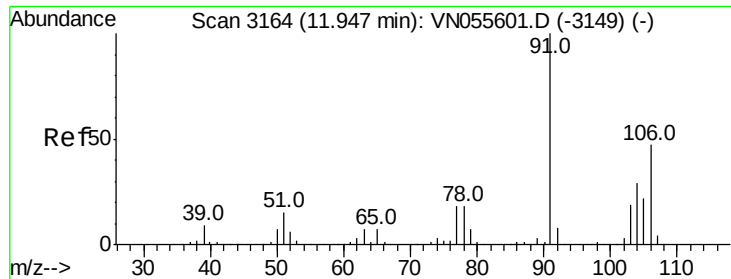
MMDadoda
5/20/2019 9:09:04 AM



#68
m/p-Xylenes
Concen: 36.822 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion: 106 Resp: 217489
Ion Ratio Lower Upper
106 100
91 200.6 160.5 240.7





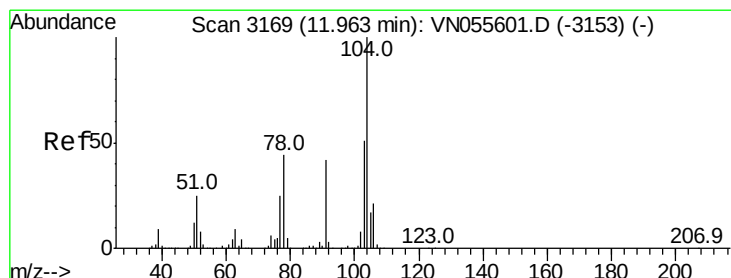
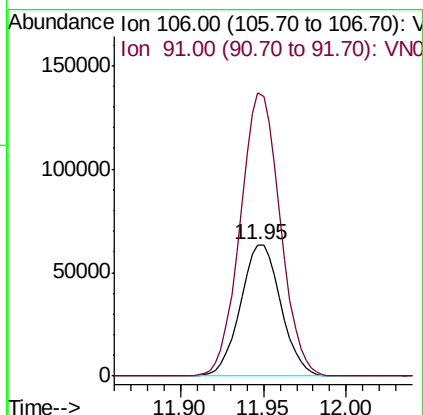
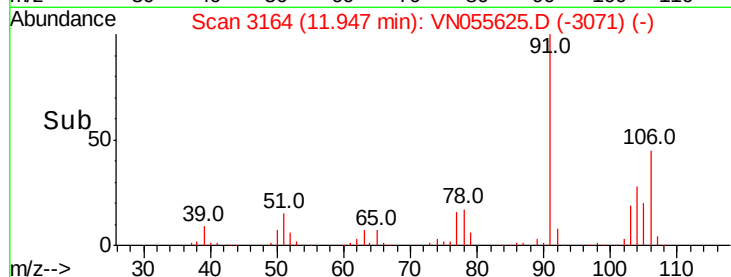
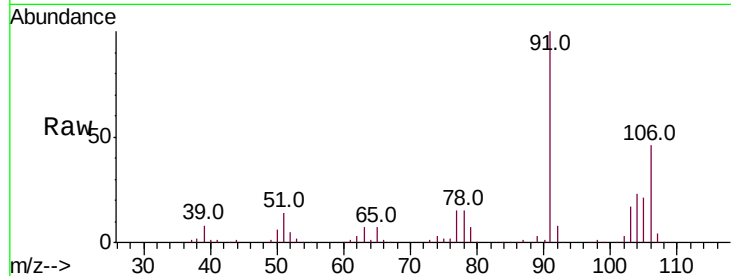
#69
o-Xylene
Concen: 18.598 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
VN0517MBS01

Tot Ion:106 Resp: 107441
Ion Ratio Lower Upper
106 100
91 213.3 106.7 320.2

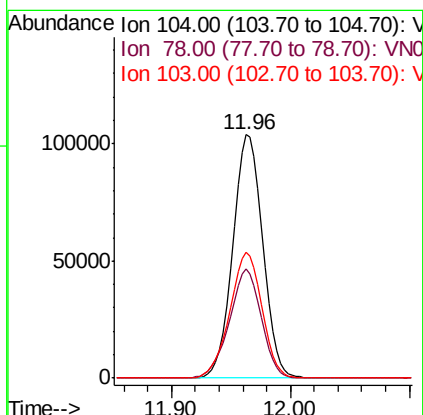
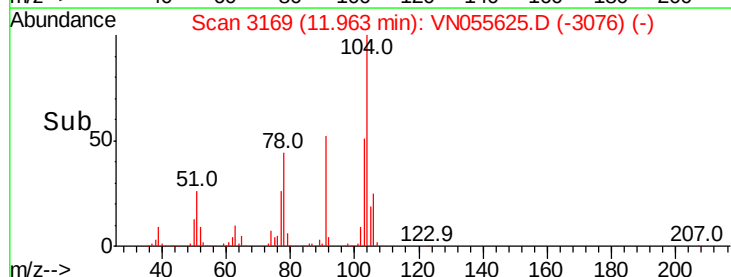
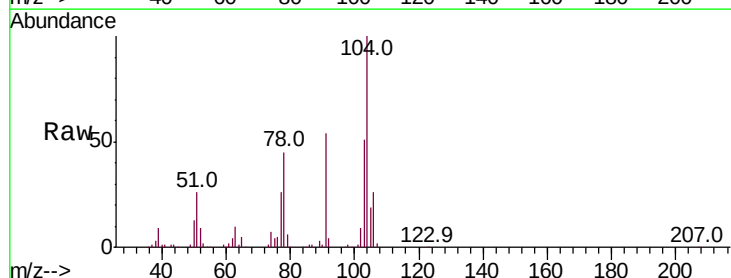
Manual Integrations
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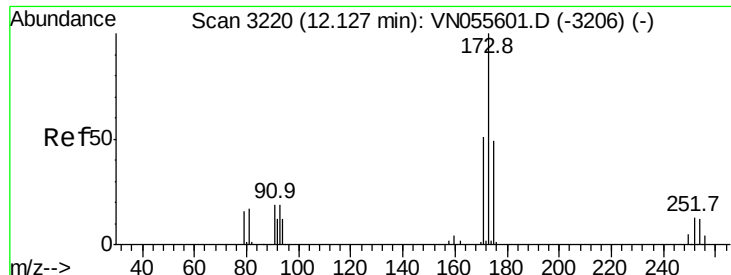
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#70
Styrene
Concen: 18.843 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion:104 Resp: 180998
Ion Ratio Lower Upper
104 100
78 47.4 38.6 58.0
103 55.3 44.4 66.6





#71

Bromoform

Concen: 19.393 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion:173 Resp: 58048

Ion Ratio Lower Upper

173 100

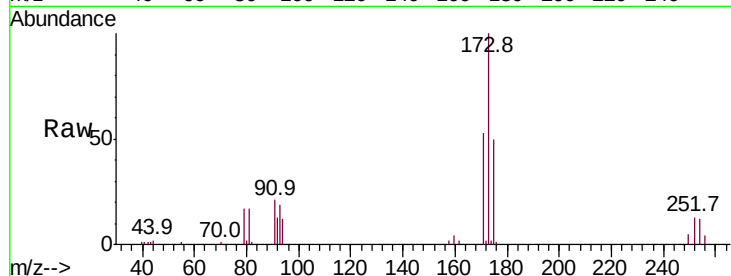
175 49.2 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
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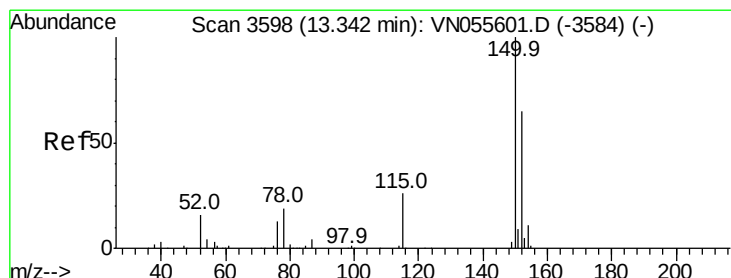
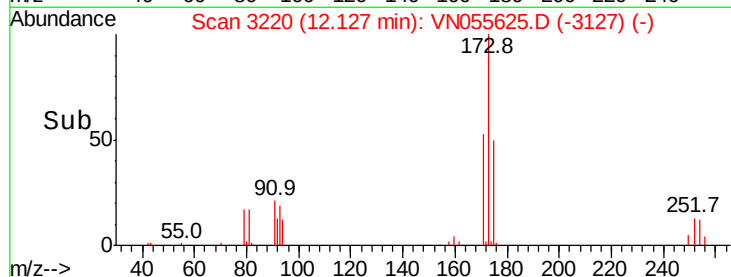
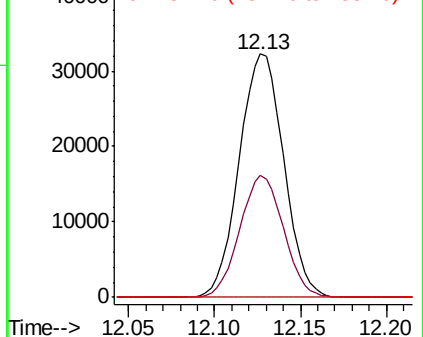
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

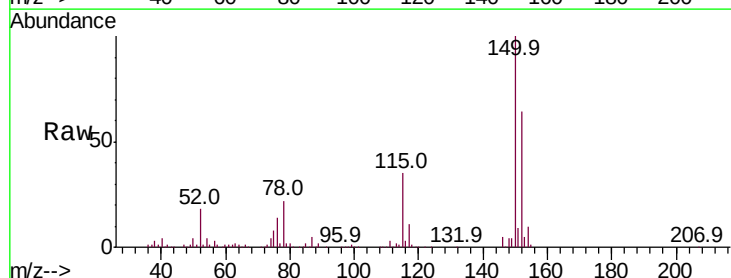
Tgt Ion:152 Resp: 188967

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

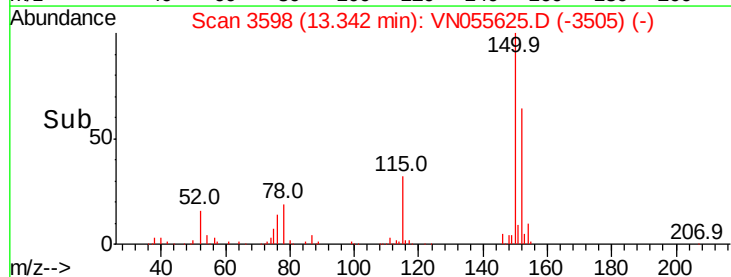
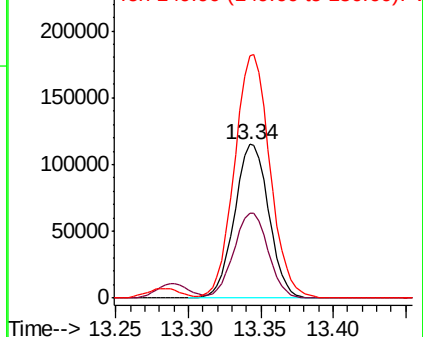
150 164.2 0.0 348.0

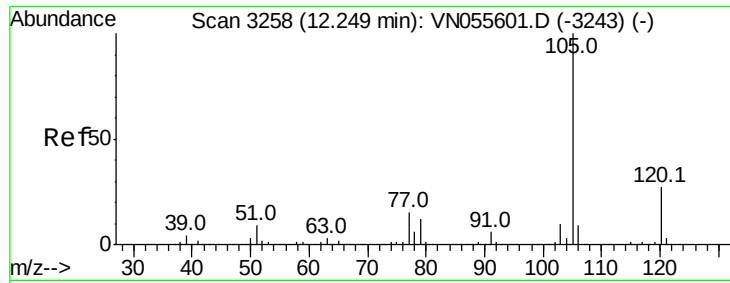


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





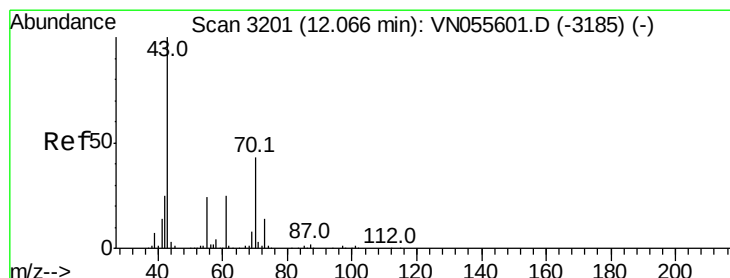
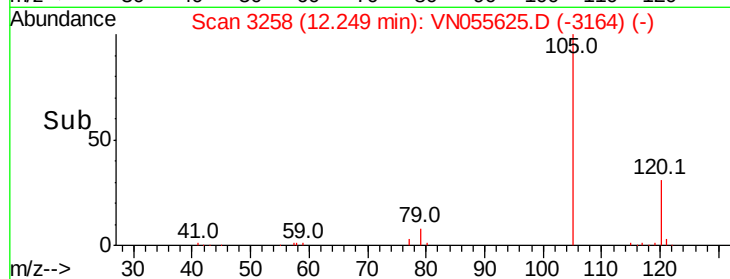
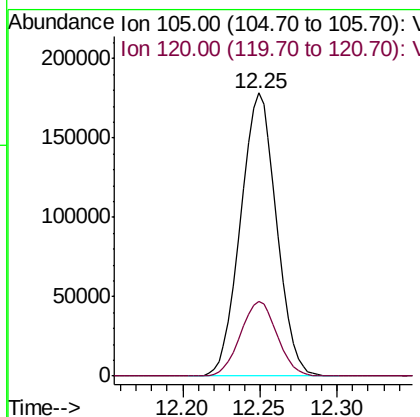
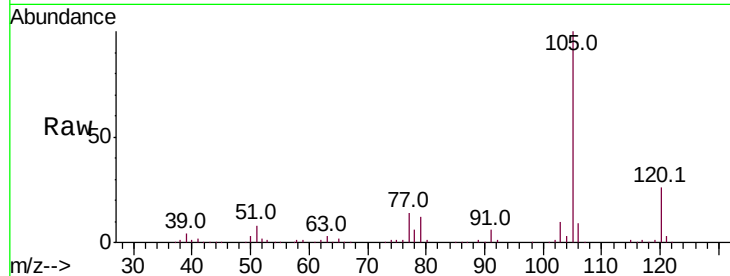
#73
Isopropylbenzene
Concen: 20.335 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

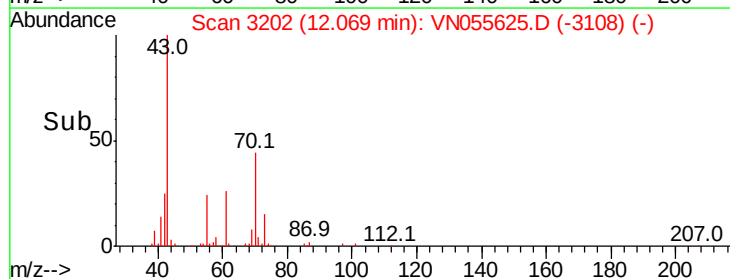
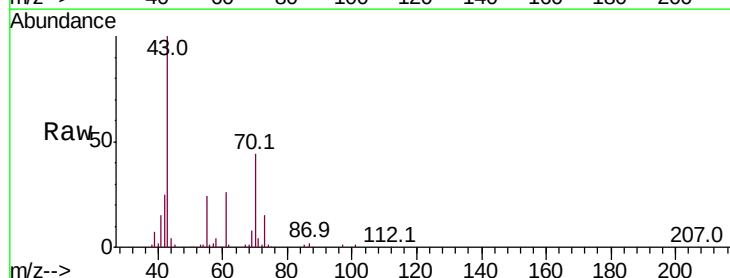
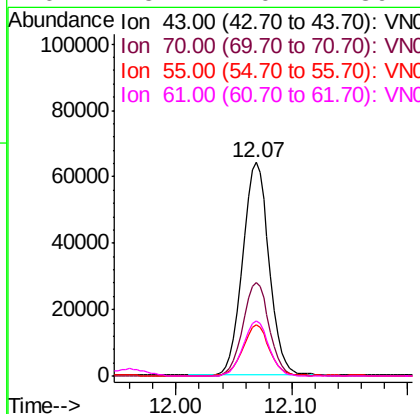
Manual Integrations
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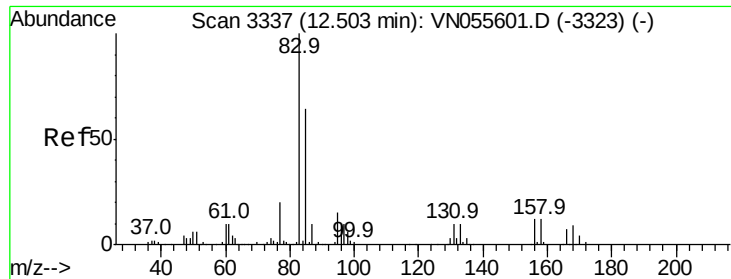
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#74
N-ethyl acetate
Concen: 19.201 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	35.0	52.6
55	24.4	18.9	28.3
61	25.2	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.411 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

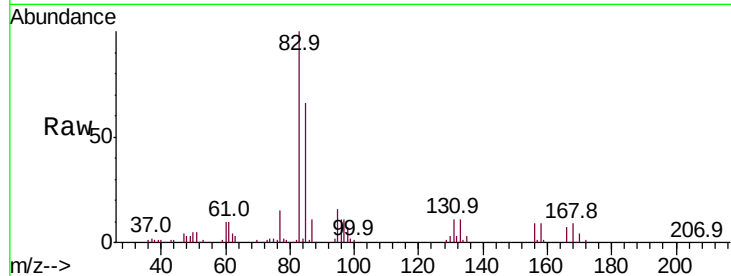
ClientSampleId :

VN0517MBS01

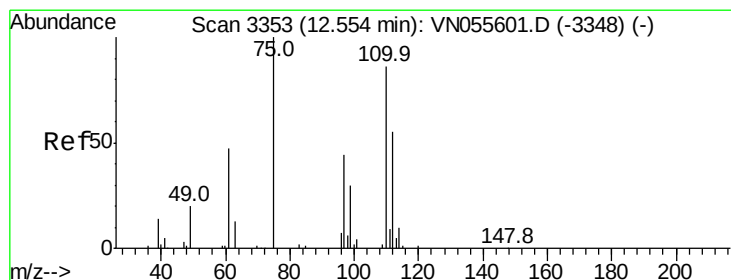
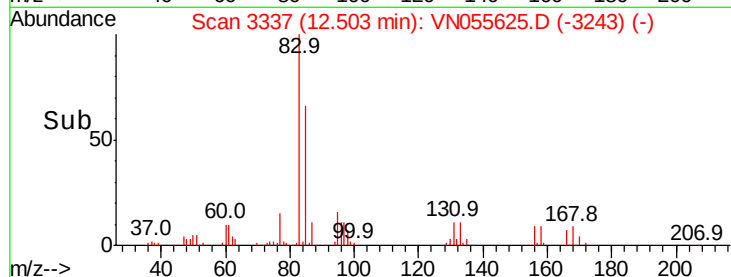
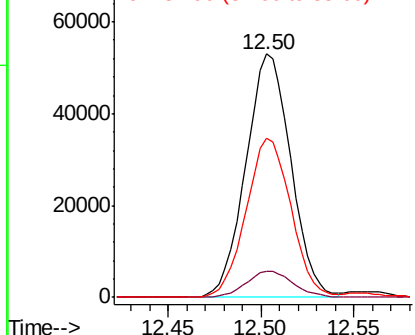
Tot Ion:	83	Resp:	89469
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	65.2	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 19.684 ug/l m

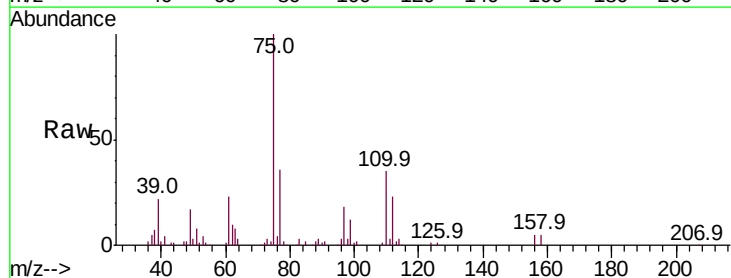
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

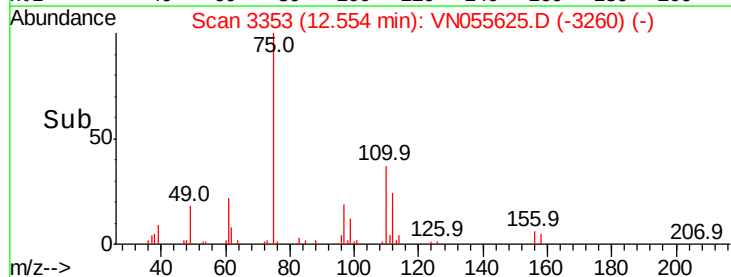
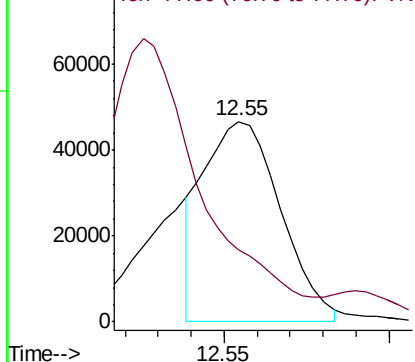
Lab File: VN055625.D

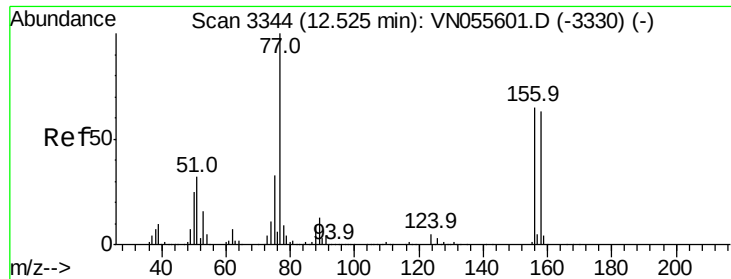
Acq: 17 May 2019 21:05

Tgt Ion:	75	Resp:	75898
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)





#77

Bromobenzene

Concen: 19.146 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion:156 Resp: 74302

Ion Ratio Lower Upper

156 100

77 185.0 94.5 283.5

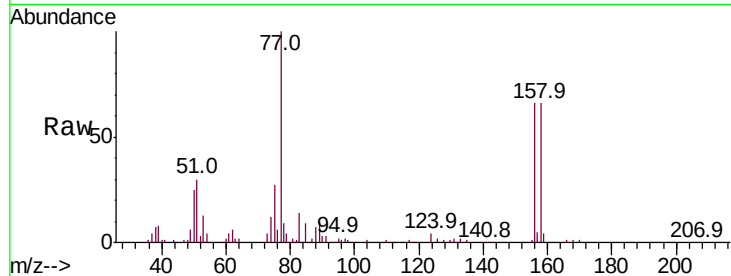
158 97.7 49.0 147.2

Manual Integrations

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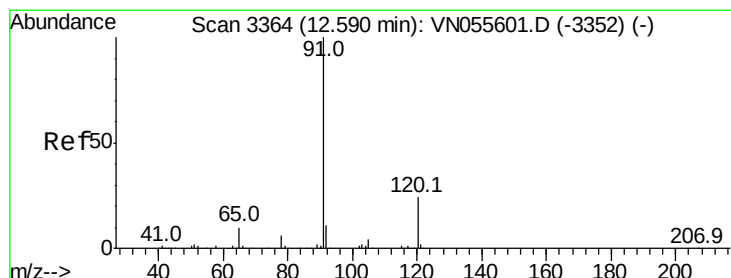
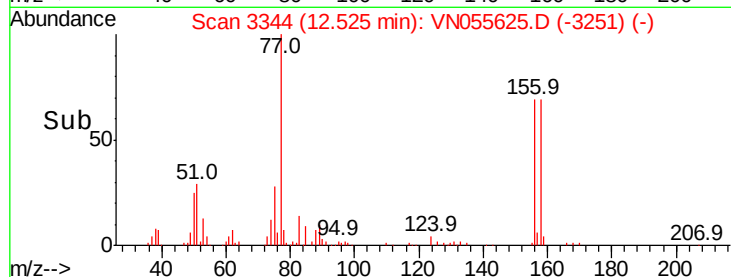
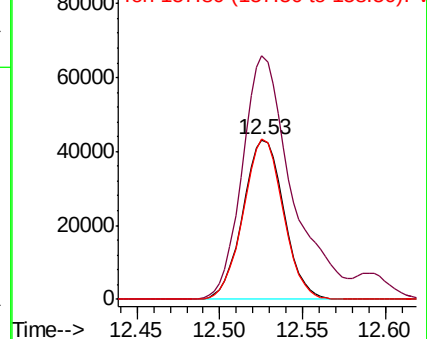
5/20/2019 9:09:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.185 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055625.D

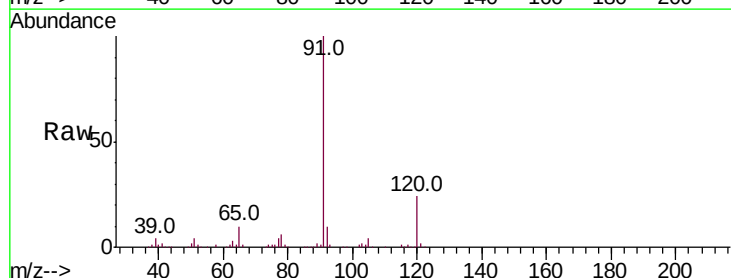
Acq: 17 May 2019 21:05

Tgt Ion: 91 Resp: 305167

Ion Ratio Lower Upper

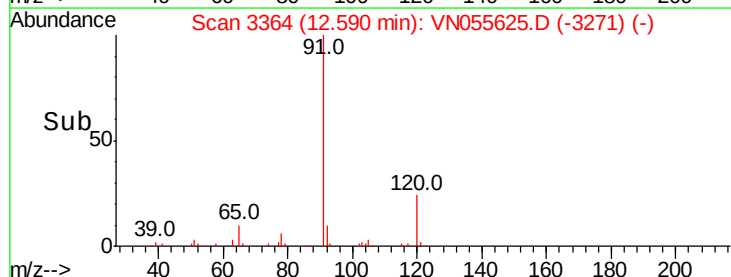
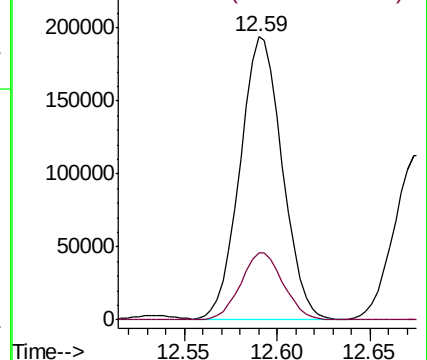
91 100

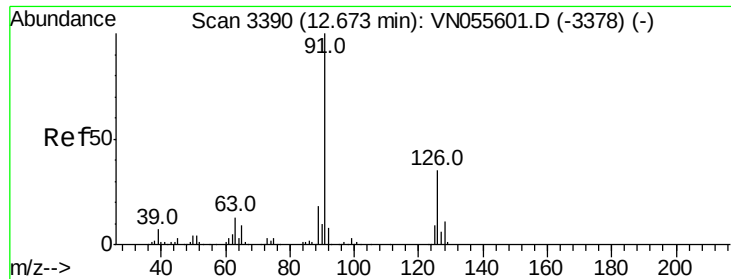
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.833 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion: 91 Resp: 187223

Ion Ratio Lower Upper

91 100

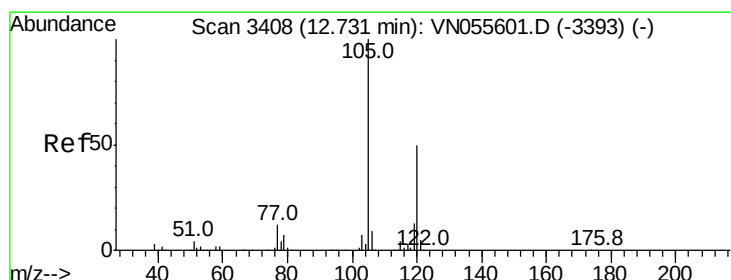
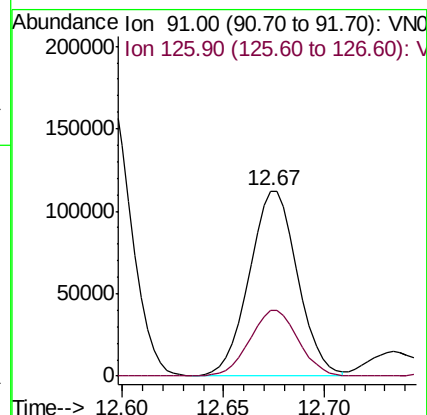
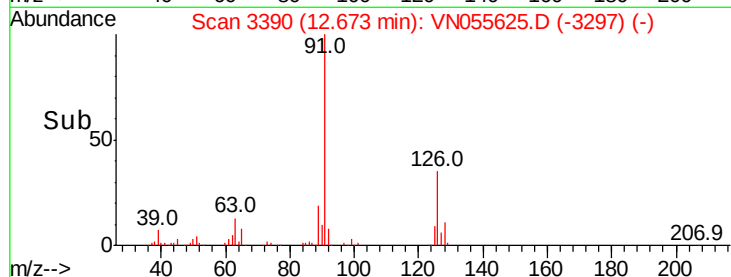
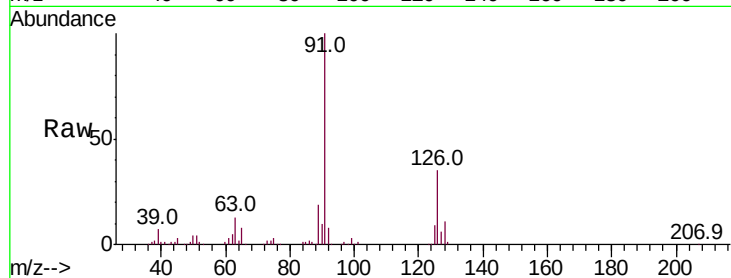
126 35.7 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.465 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055625.D

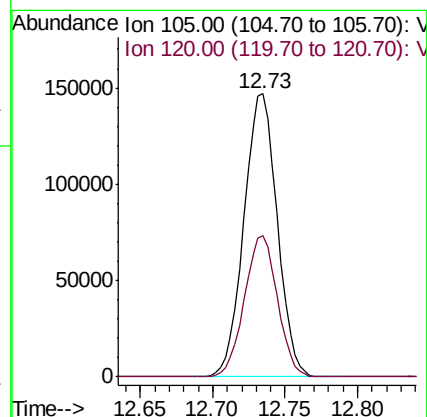
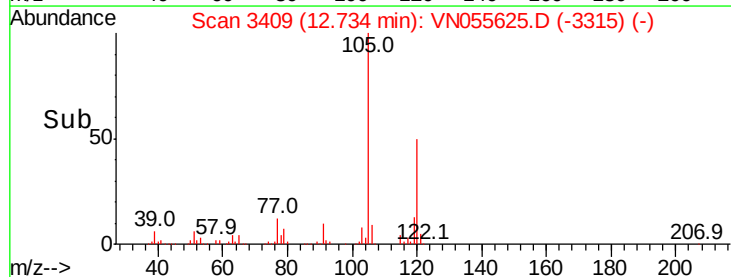
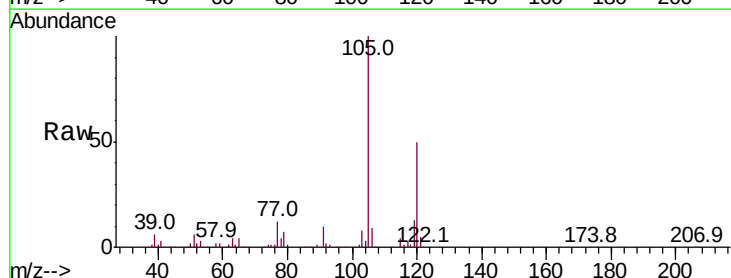
Acq: 17 May 2019 21:05

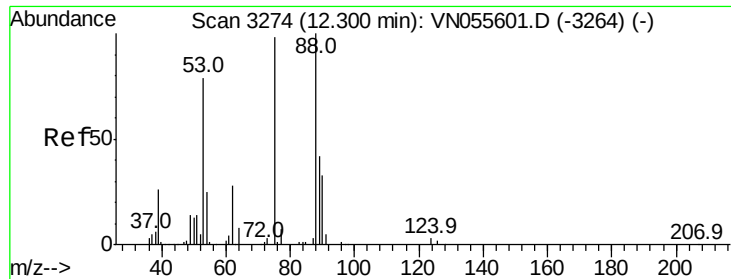
Tgt Ion:105 Resp: 234626

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.189 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

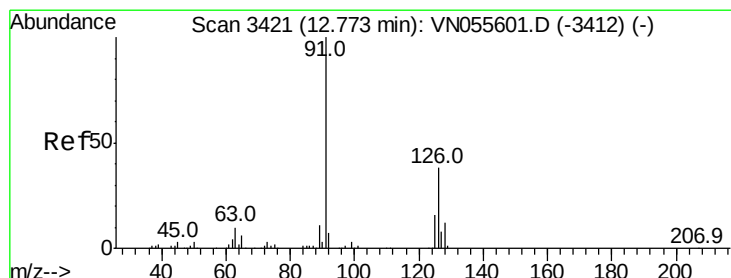
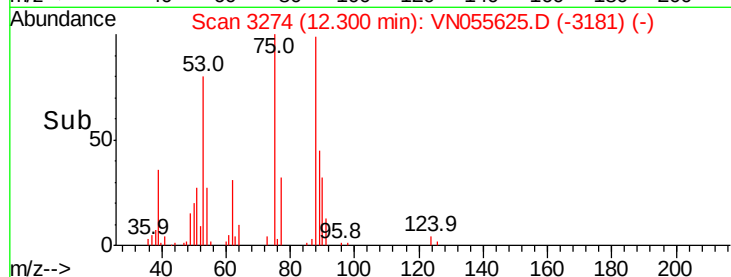
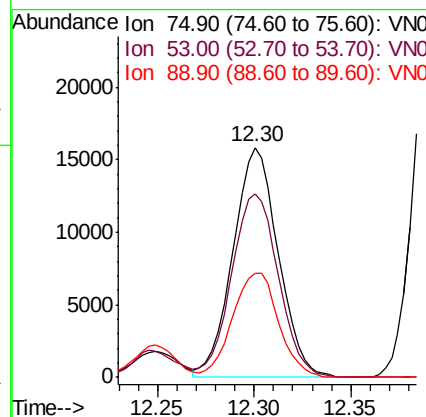
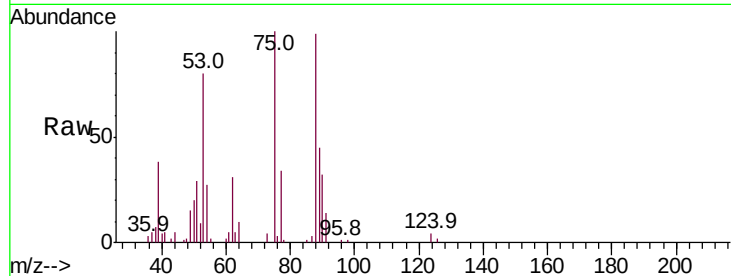
ClientSampleId :

VN0517MBS01

Tot Ion:	75	Resp:	25784
Ion	Ratio	Lower	Upper
75	100		
53	82.8	65.1	97.7
89	46.3	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.274 ug/l

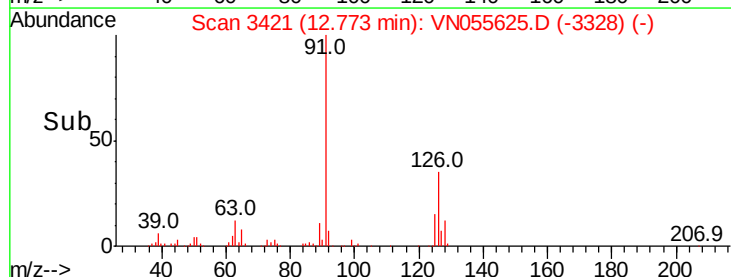
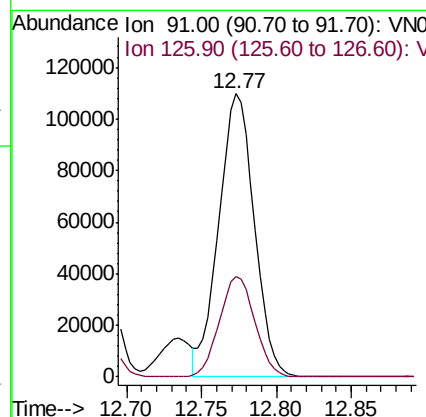
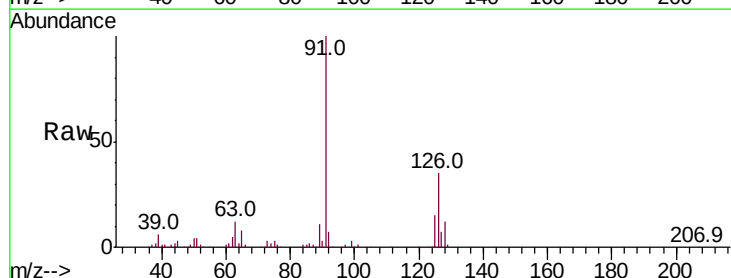
RT: 12.77 min Scan# 3421

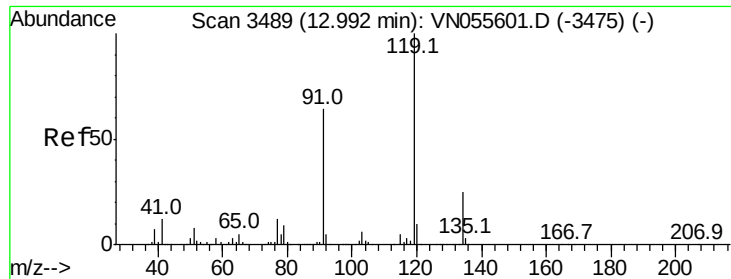
Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	91	Resp:	180681
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.6





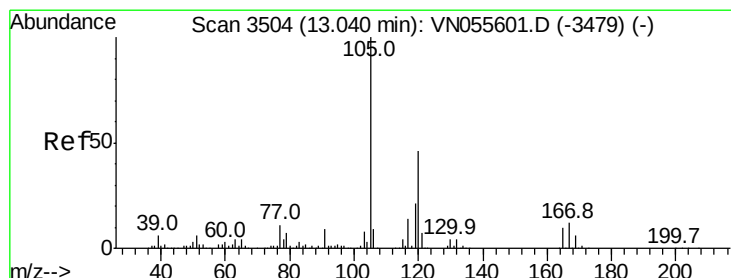
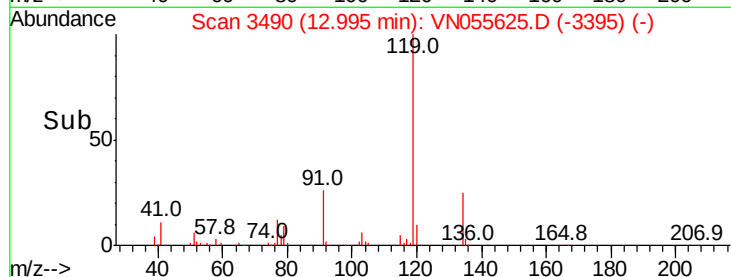
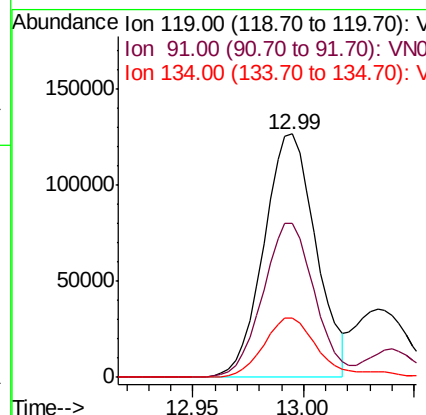
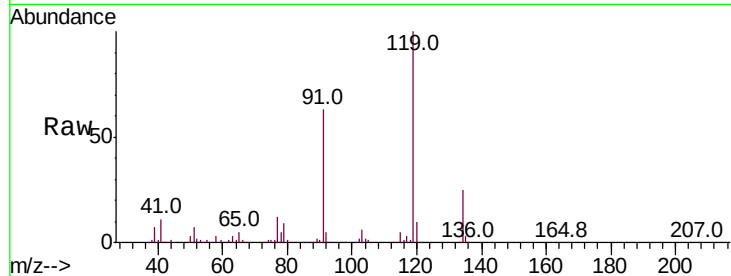
#83
 tert-Butylbenzene
 Concen: 19.804 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206475		
91	62.6	31.3	93.8	
134	26.5	13.2	39.6	

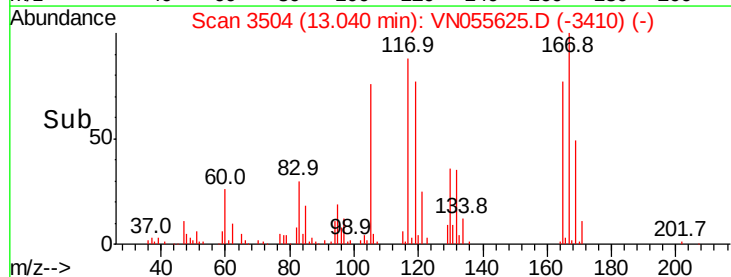
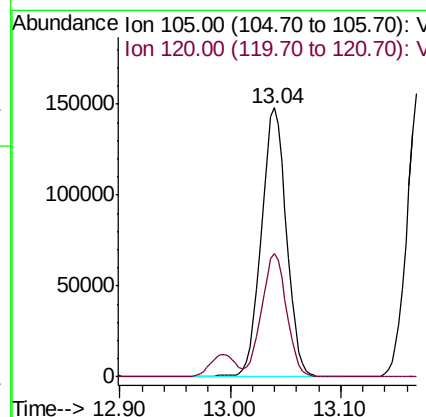
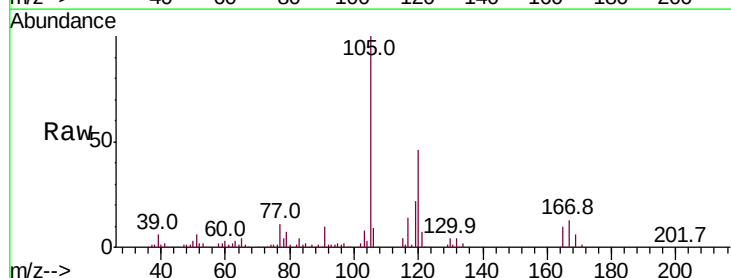
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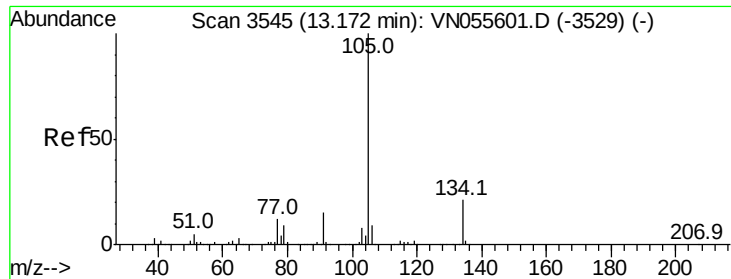
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.624 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233964		
120	45.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.552 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBS01

Tot Ion:105 Resp: 263457

Ion Ratio Lower Upper

105 100

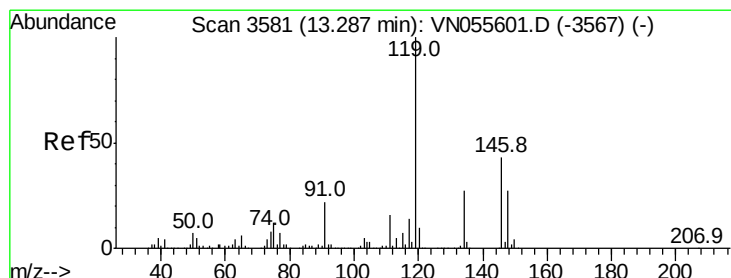
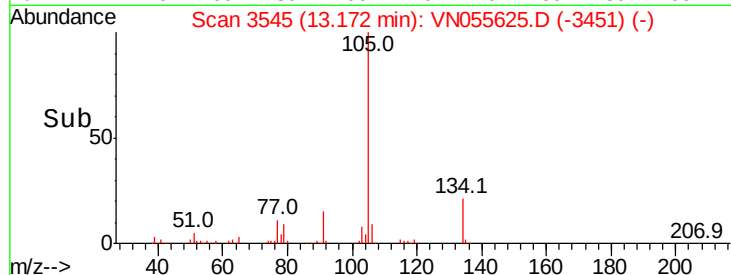
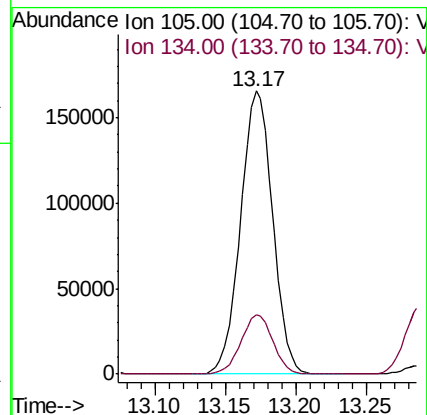
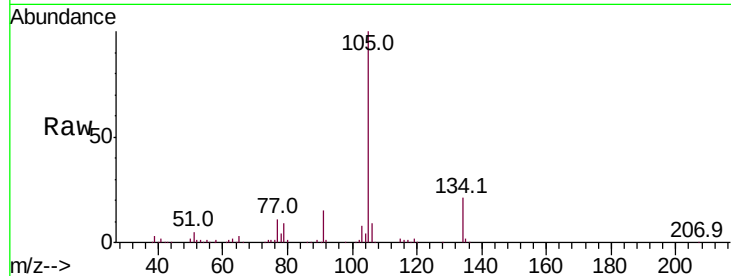
134 20.8 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.297 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

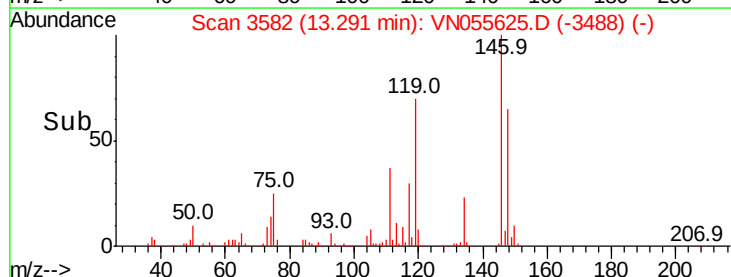
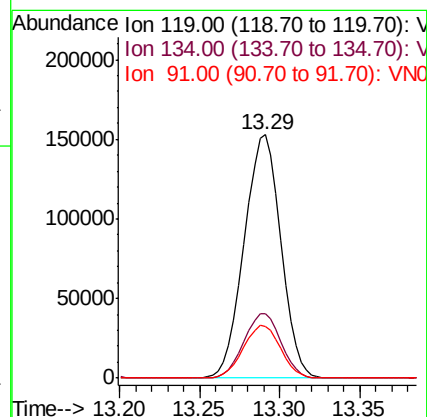
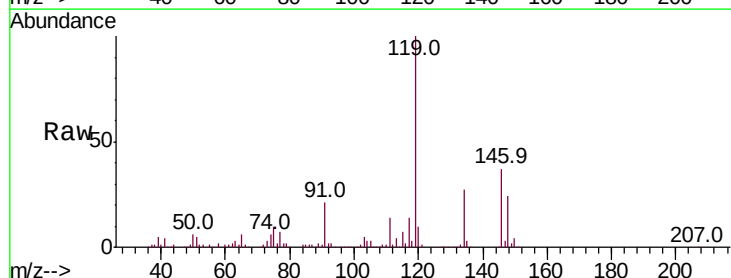
Tgt Ion:119 Resp: 239592

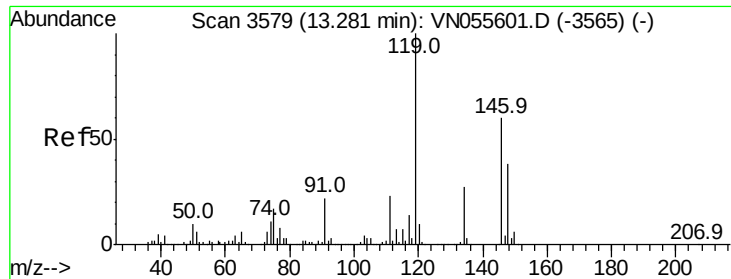
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.1 11.0 33.0





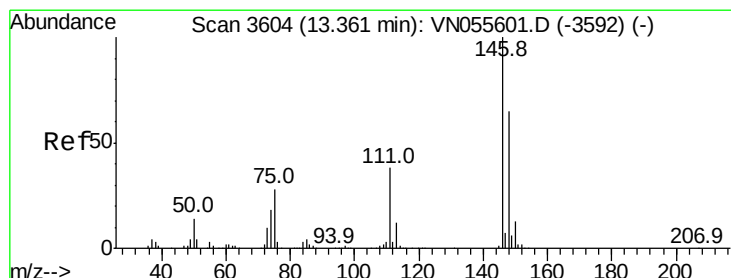
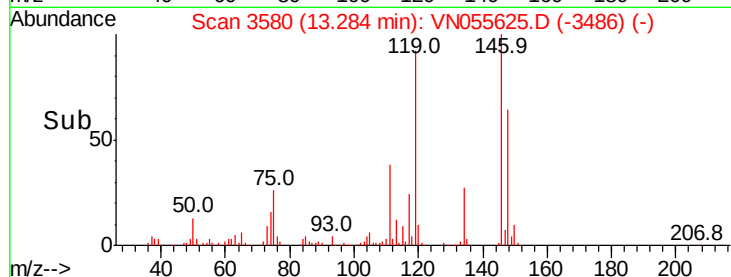
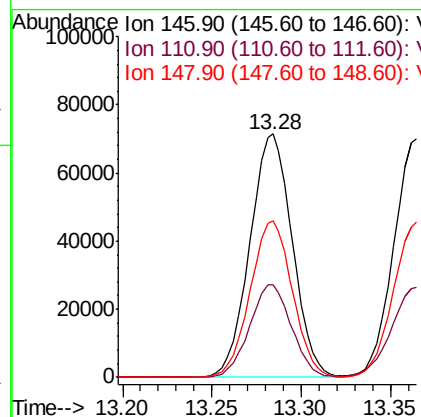
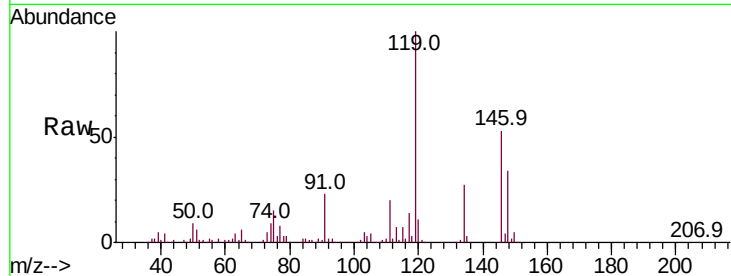
#87
 1,3-Dichlorobenzene
 Concen: 18.516 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118810		
111	37.5	18.9	56.9	
148	64.1	31.9	95.9	

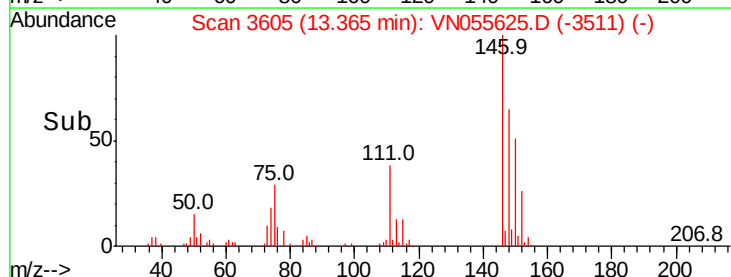
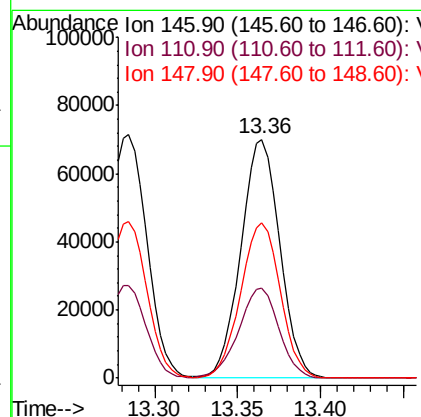
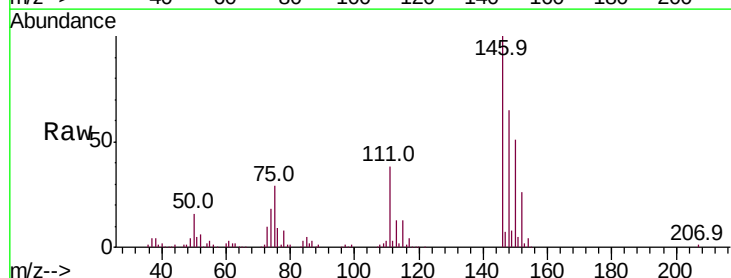
Manual Integrations
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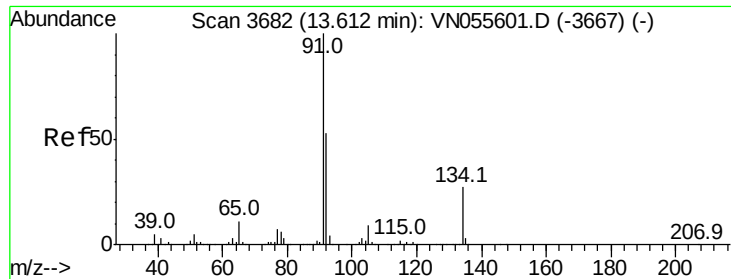
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#88
 1,4-Dichlorobenzene
 Concen: 18.739 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114809		
111	39.1	18.8	56.4	
148	66.1	32.4	97.0	





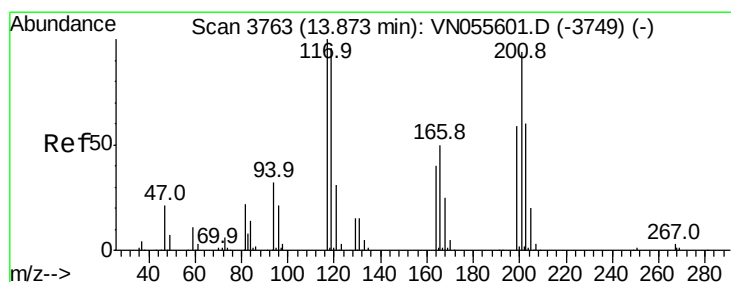
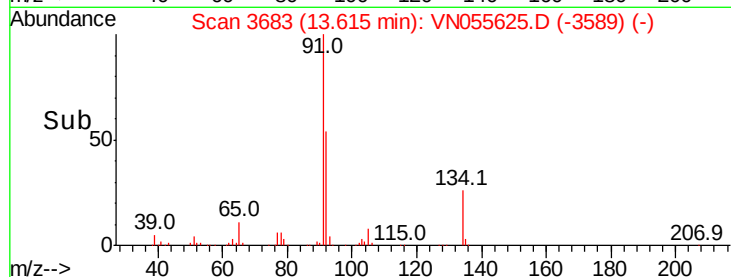
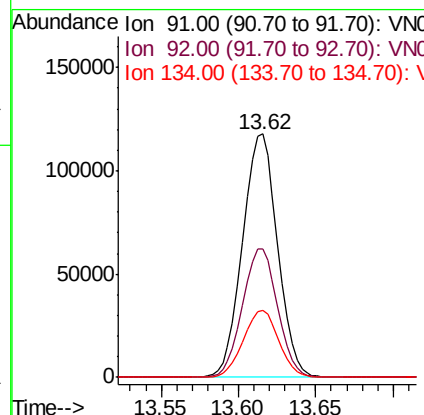
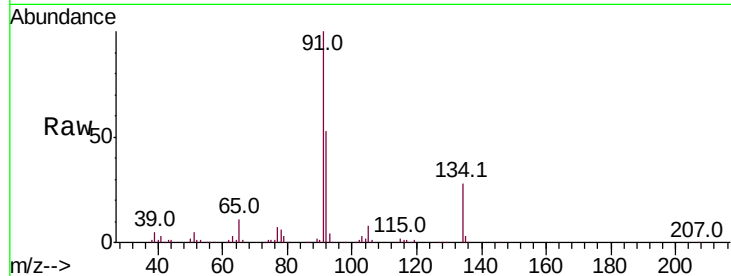
#89
n-Butylbenzene
Concen: 17.876 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	27.7	13.7	41.1

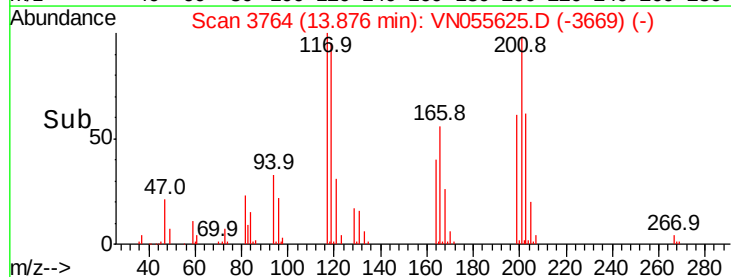
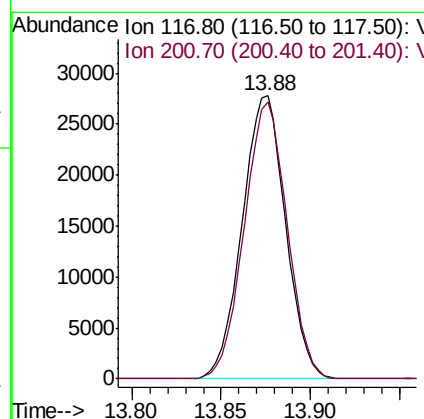
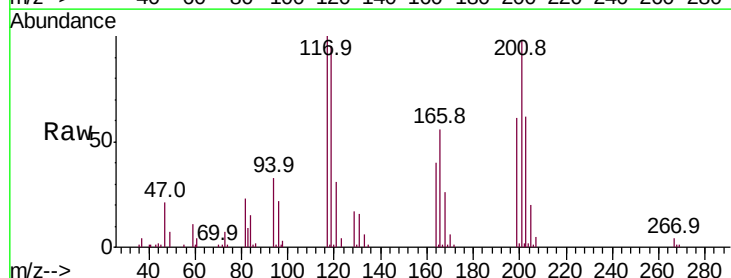
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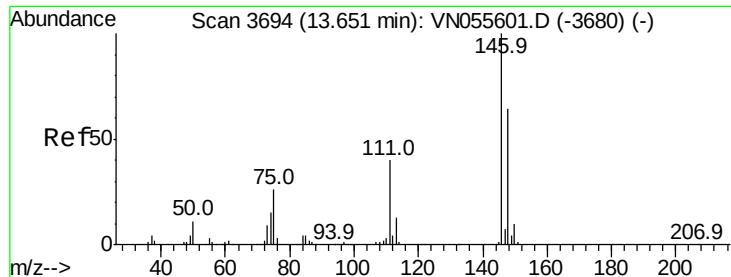
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#90
Hexachloroethane
Concen: 19.728 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055625.D
Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	47.1	141.3





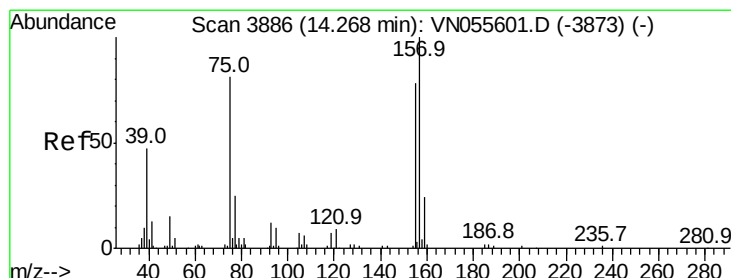
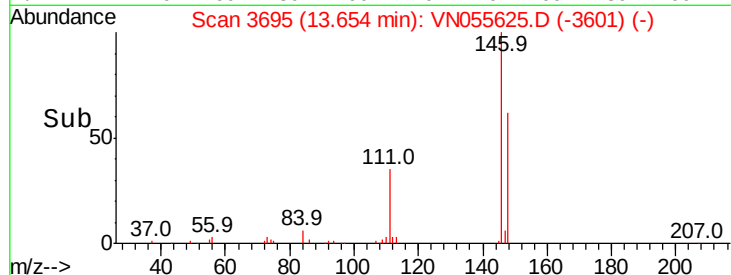
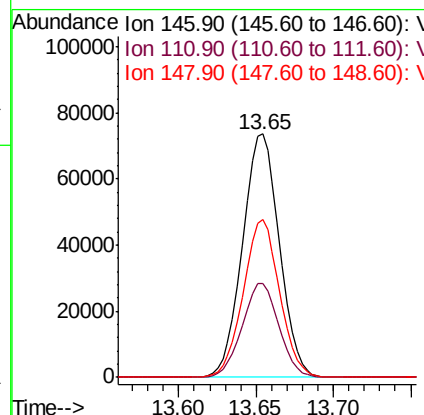
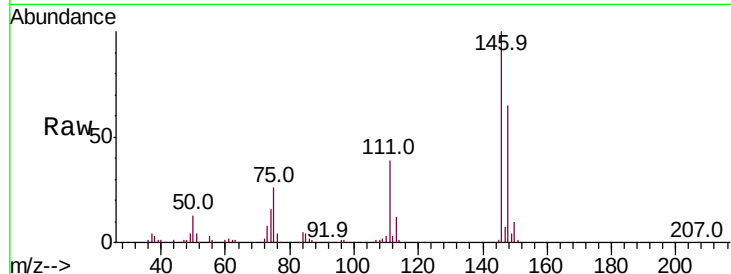
#91
 1,2-Dichlorobenzene
 Concen: 19.057 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	63.8	32.1	96.3

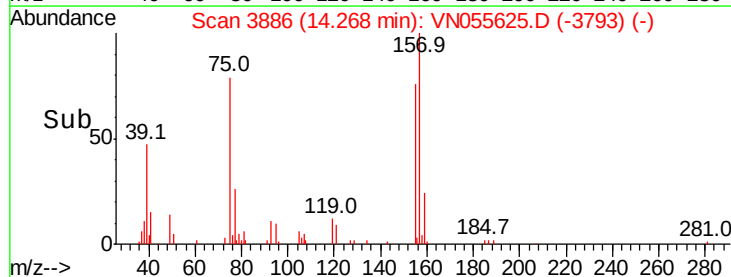
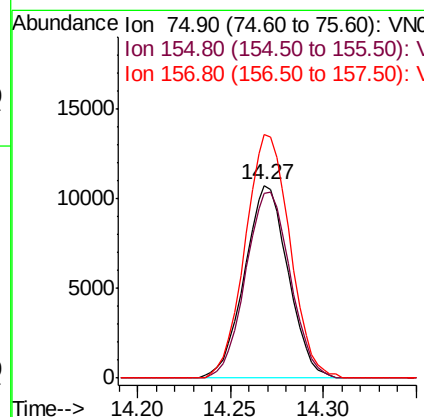
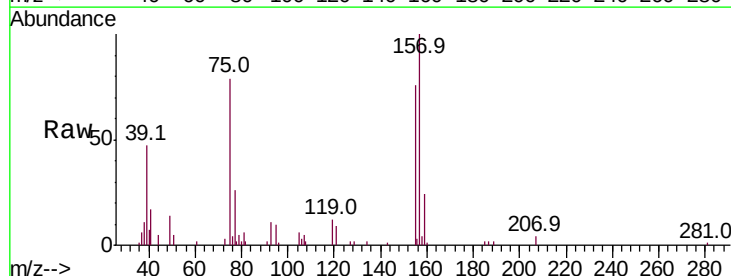
Manual Integrations
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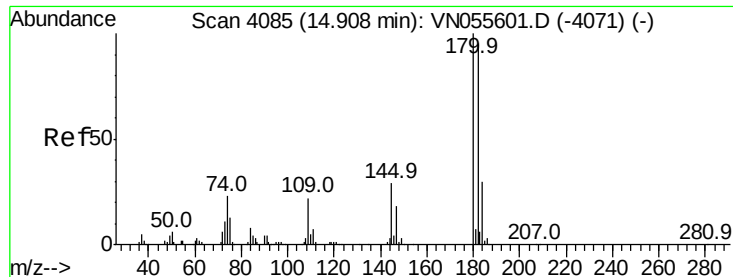
MMDadoda
 5/20/2019 9:09:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.563 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055625.D
 Acq: 17 May 2019 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	48.4	145.0
157	129.3	62.3	186.8





#93

1,2,4-Trichlorobenzene

Concen: 19.283 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

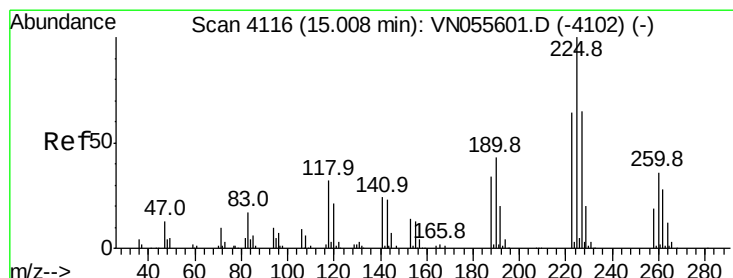
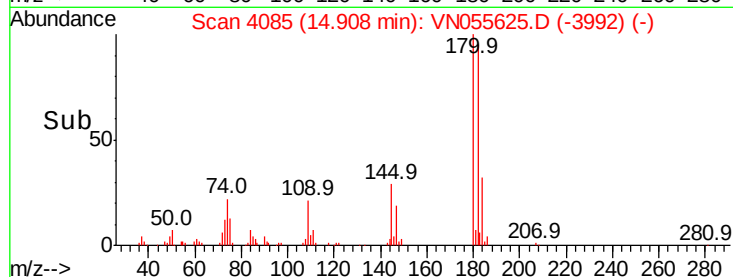
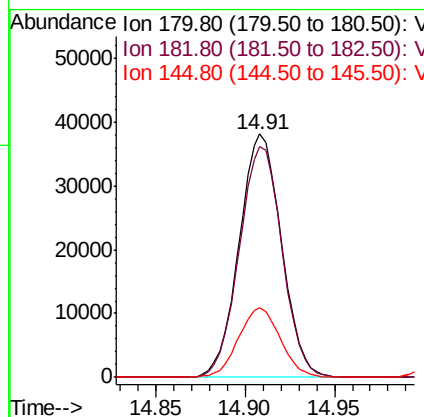
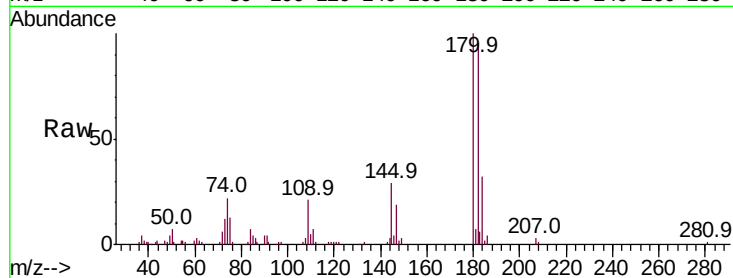
ClientSampleId :

VN0517MBS01

Tot Ion:	180	Resp:	62785
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	28.2	14.3	42.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:09:04 AM



#94

Hexachlorobutadiene

Concen: 18.209 ug/l

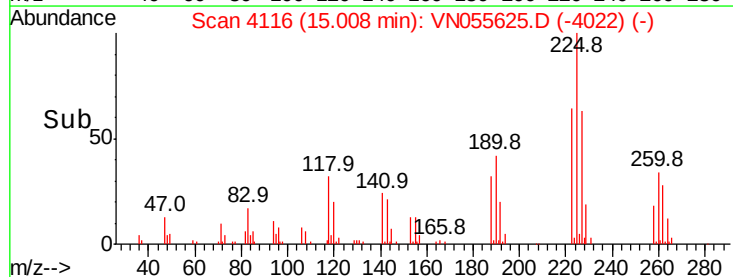
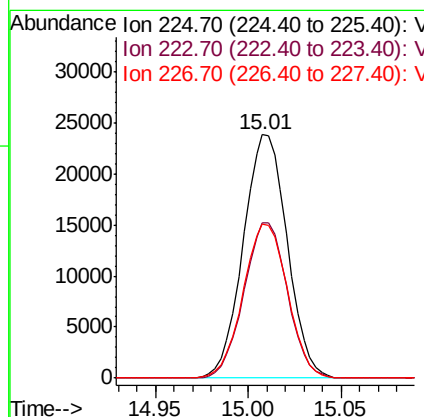
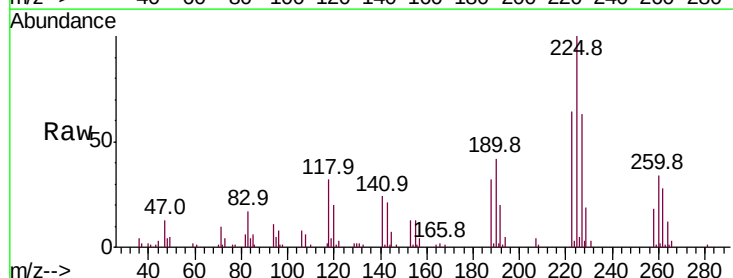
RT: 15.01 min Scan# 4116

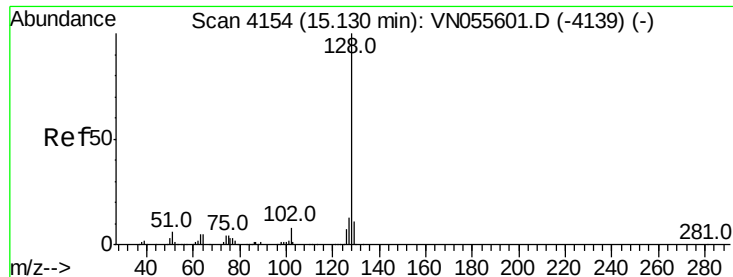
Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	225	Resp:	39425
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.6	94.7
227	63.8	32.4	97.0





#95

Naphthalene

Concen: 18.976 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Instrument :

MSVOA_N

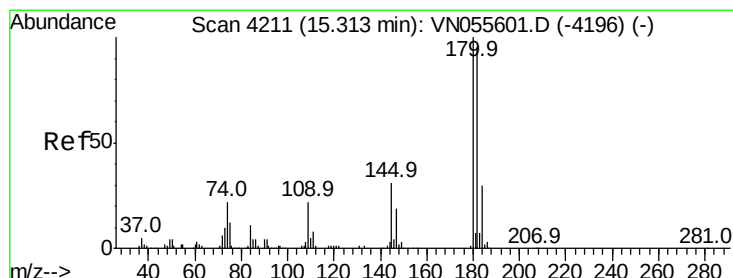
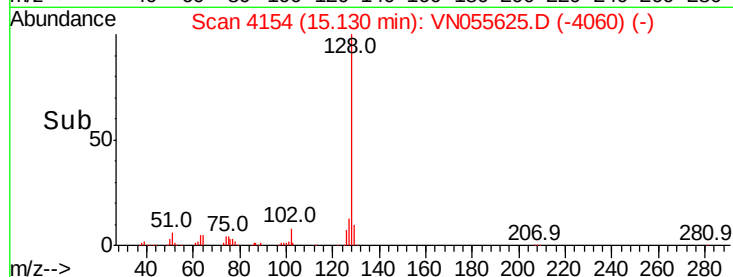
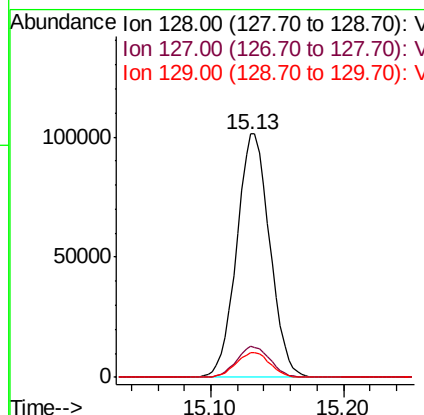
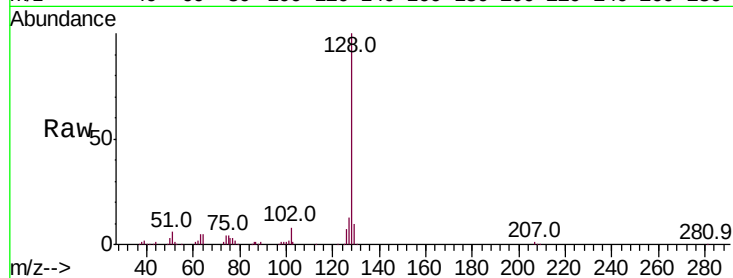
ClientSampleId :

VN0517MBS01

Tot Ion:	128	Resp:	175315
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:09:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.801 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055625.D

Acq: 17 May 2019 21:05

Tgt Ion:	180	Resp:	67409
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.6
145	30.1	15.4	46.1

