

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
 Data File : VN057166.D
 Acq On : 10 Aug 2019 10:38
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:55:29 PM

Quant Time: Aug 11 03:44:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:32:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.58	128	169718	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	932978	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	829243	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	327531	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	11.92	95	378132	30.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.07%
63) Toluene-d8	9.56	98	1139479	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	456016	49.260	ug/l 99
3) Chloromethane	2.00	50	520483	48.537	ug/l 99
4) Vinyl Chloride	2.11	62	521904	47.841	ug/l 98
5) Bromomethane	2.43	94	366651	47.181	ug/l 99
6) Chloroethane	2.55	64	332241	46.965	ug/l 99
7) Trichlorofluoromethane	2.82	101	762390	46.869	ug/l 99
8) Diethyl Ether	3.14	74	281504	46.433	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	457344	46.480	ug/l 99
10) 1,1-Dichloroethene	3.43	96	457069	46.982	ug/l 98
11) Methyl Iodide	3.63	142	739556	48.719	ug/l 98
12) Methyl Acetate	3.89	43	462010	45.589	ug/l 100
13) Acrolein	3.31	56	282464	252.737	ug/l 98
14) Acrylonitrile	4.45	53	1011599	239.256	ug/l 100
15) Acetone	3.47	58	351293	250.346	ug/l 94
16) Carbon Disulfide	3.72	76	1244675	47.424	ug/l 99
17) Allyl chloride	3.91	41	654937	45.665	ug/l 98
18) Methylene Chloride	4.10	84	519092	47.065	ug/l 99
19) trans-1,2-Dichloroethene	4.51	96	482319	46.245	ug/l 97
20) Diisopropyl ether	5.31	45	1369353	46.815	ug/l 96
21) 1,1-Dichloroethane	5.25	63	841810	46.208	ug/l 99
22) cis-1,2-Dichloroethene	6.21	96	552799	46.568	ug/l 98
23) tert-Butyl Alcohol	4.24	59	330891	237.162	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	1353221	47.302	ug/l 99
25) Chloroform	6.76	83	863386	46.091	ug/l 99
26) Cyclohexane	7.07	56	736682	47.303	ug/l # 99
29) 1,1-Dichloropropene	7.20	75	661178	47.124	ug/l 99
30) 2-Butanone	6.20	43	1346236	243.717	ug/l 100
31) 2,2-Dichloropropane	6.21	77	708807	47.251	ug/l 99
32) 1,1,1-Trichloroethane	6.98	97	758093	46.657	ug/l 99
33) Carbon Tetrachloride	7.18	117	678833	46.933	ug/l 97
34) Benzene	7.46	78	1994805	46.577	ug/l 97
35) Methacrylonitrile	6.54	41	269246	48.228	ug/l 92
36) 1,2-Dichloroethane	7.54	62	639096	46.711	ug/l 99
37) Trichloroethene	8.27	130	568089	46.678	ug/l 100
38) Methylcyclohexane	8.52	83	790118	47.192	ug/l 100
39) 1,2-Dichloropropane	8.56	63	513078	27.074	ug/l 95
40) Dibromomethane	8.65	93	332937	46.847	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	668739	47.322	ug/l	98
42) Vinyl Acetate	5.26	43	5501955	239.595	ug/l	100
43) Ethyl Acetate	6.28	43	501522	49.229	ug/l	99
44) Isopropyl Acetate	7.56	43	855759	46.264	ug/l	97
45) 1,4-Dioxane	8.64	88	168029	973.435	ug/l	98
46) Methyl methacrylate	8.63	41	406729	48.227	ug/l	96
47) n-amyl Acetate	11.58	43	683569	50.231	ug/l	100
48) t-1,3-Dichloropropene	9.86	75	710175	47.129	ug/l	98
49) cis-1,3-Dichloropropene	9.30	75	821316	53.050	ug/l	99
50) 1,1,2-Trichloroethane	10.04	97	477031	46.963	ug/l	98
51) Ethyl methacrylate	9.90	69	700006	48.834	ug/l	98
52) 1,3-Dichloropropane	10.19	76	792577	46.812	ug/l	100
53) Dibromochloromethane	10.39	129	547710	47.853	ug/l	99
54) 1,2-Dibromoethane	10.50	107	504296	47.561	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	1010248	249.605	ug/l	100
56) Bromoform	11.64	173	408151	48.257	ug/l	100
58) 4-Methyl-2-Pentanone	9.45	43	2541888	238.612	ug/l	99
59) 2-Hexanone	10.24	43	1877864	245.191	ug/l	99
61) Tetrachloroethene	10.11	164	568673	44.681	ug/l	98
62) Toluene	9.63	91	2190638	46.411	ug/l	100
64) Chlorobenzene	10.93	112	1372570	47.280	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.01	131	521152	46.812	ug/l	98
66) Ethyl Benzene	11.01	91	2401270	47.459	ug/l	99
67) m/p-Xylenes	11.12	106	1836537	96.252	ug/l	100
68) o-Xylene	11.46	106	887566	47.913	ug/l	98
69) Styrene	11.47	104	1458521	49.101	ug/l	100
70) Isopropylbenzene	11.76	105	2391765	47.956	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.02	83	647043	47.369	ug/l	100
72) 1,2,3-Trichloropropane	12.07	75	566878m	46.805	ug/l	
73) Bromobenzene	12.04	156	631965	48.867	ug/l	96
74) n-propylbenzene	12.11	91	2597623	49.614	ug/l	100
75) 2-Chlorotoluene	12.20	91	1576313	48.676	ug/l	98
76) 1,3,5-Trimethylbenzene	12.26	105	2018248	50.060	ug/l	88
77) t-1,4-Dichloro-2-butene	11.82	75	198963	49.453	ug/l	96
78) 4-Chlorotoluene	12.30	91	1477385	49.121	ug/l	99
79) tert-butylbenzene	12.52	119	1754635	47.406	ug/l	98
80) 1,2,4-Trimethylbenzene	12.57	105	1936476	48.898	ug/l	99
81) sec-Butylbenzene	12.70	105	2251888	48.254	ug/l	99
82) p-Isopropyltoluene	12.82	119	2038492	49.055	ug/l	99
83) 1,3-Dichlorobenzene	12.81	146	981799	49.858	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	916012	50.007	ug/l	99
85) n-Butylbenzene	13.15	91	1485986	49.457	ug/l	99
86) Hexachloroethane	13.41	117	359500	47.578	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	971453	49.746	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	91491	47.739	ug/l	97
89) 1,2,4-Trichlorobenzene	14.45	180	409667	52.359	ug/l	99
90) Hexachlorobutadiene	14.55	225	405153	48.124	ug/l	98
91) Naphthalene	14.67	128	700998	47.289	ug/l	100
92) 1,2,3-Trichlorobenzene	14.83	180	372231	51.776	ug/l	98

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ClientSampleId :
VSTDICC050

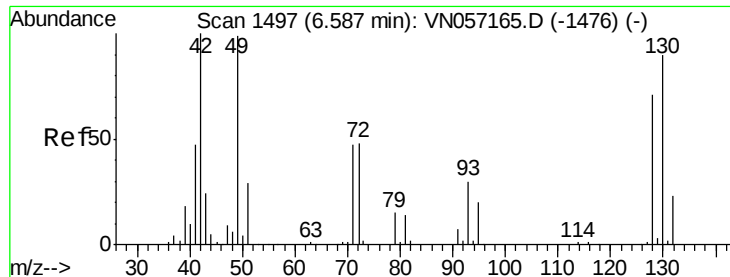
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



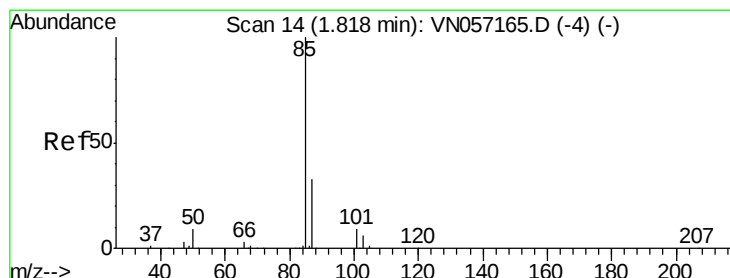
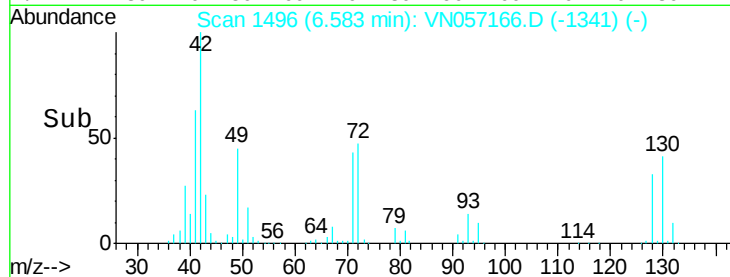
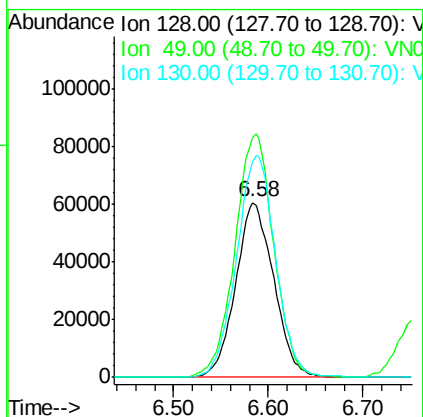
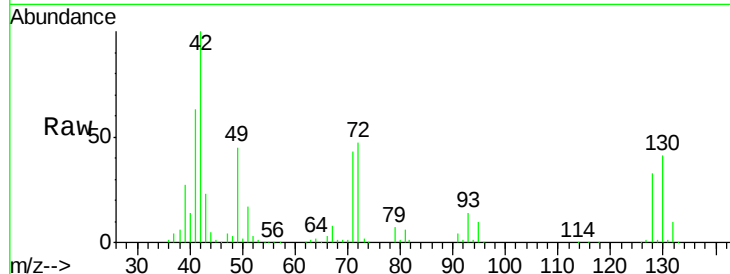
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	169718		
49	142.2	0.0	361.0	
130	129.9	0.0	329.5	

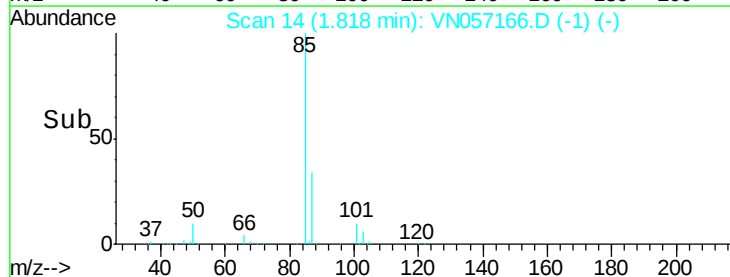
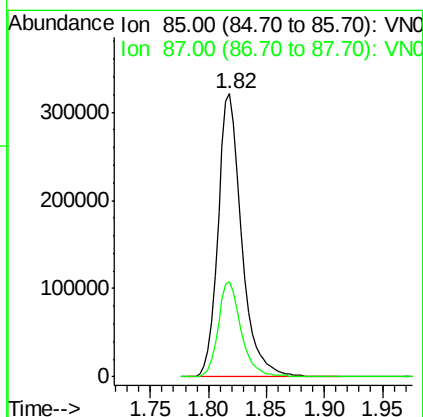
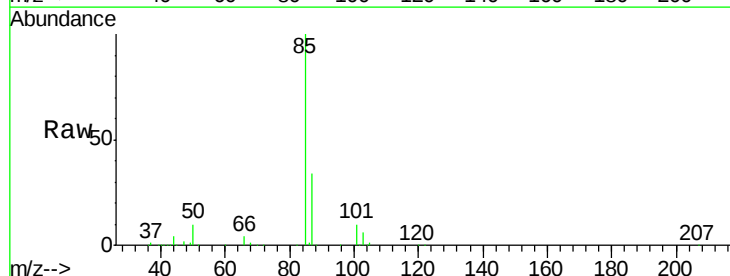
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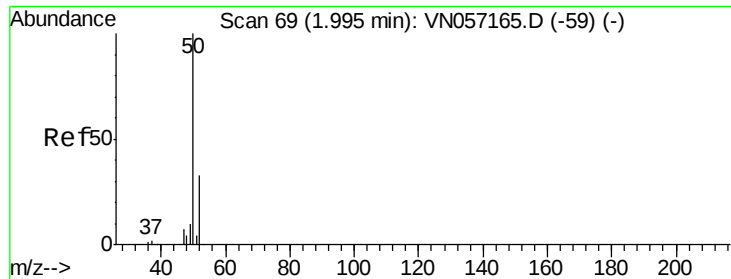
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#2
 Dichlorodifluoromethane
 Concen: 49.260 ug/l
 RT: 1.82 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	456016		
87	33.6	16.5	49.5	





#3

Chloromethane

Concen: 48.537 ug/l

RT: 2.00 min Scan# 69

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 520483

Ion Ratio Lower Upper

50 100

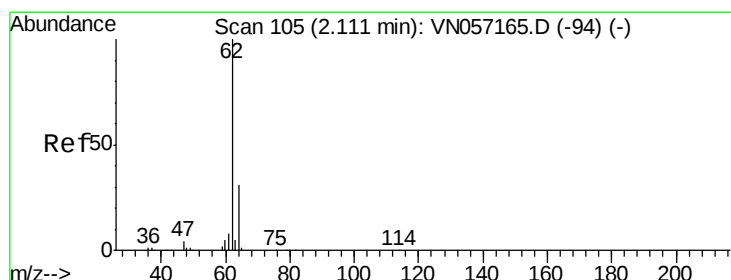
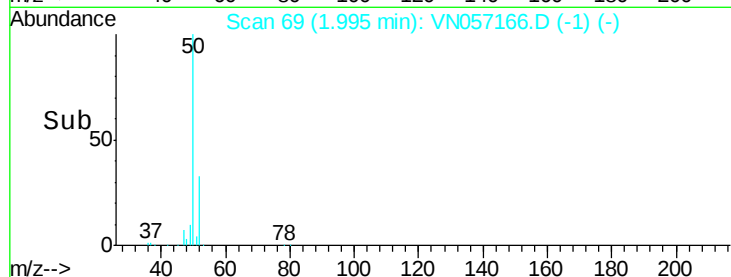
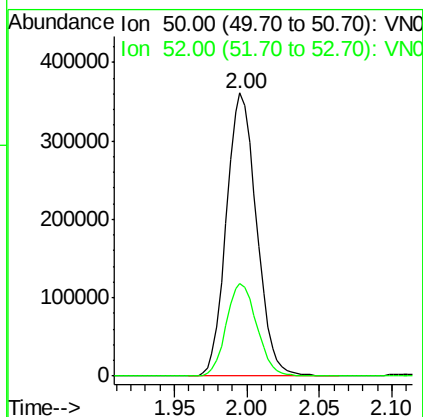
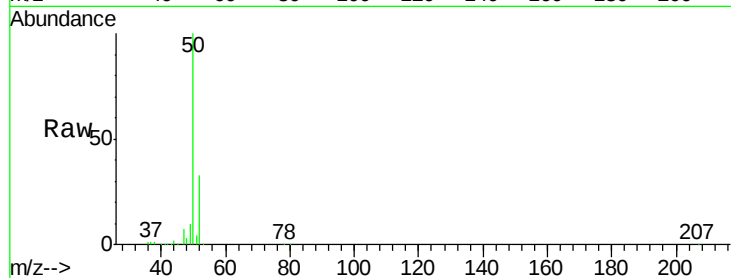
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.841 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057166.D

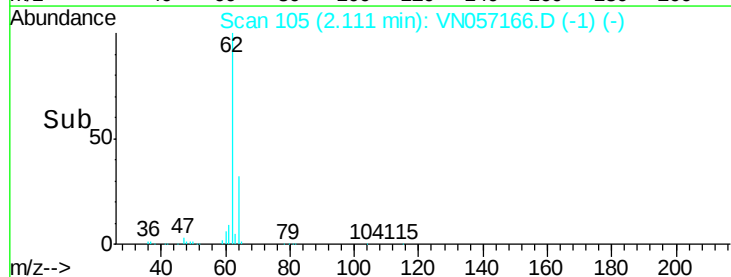
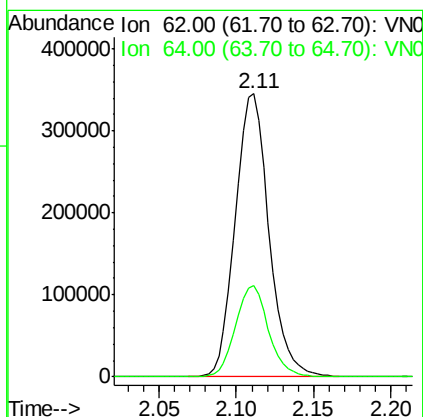
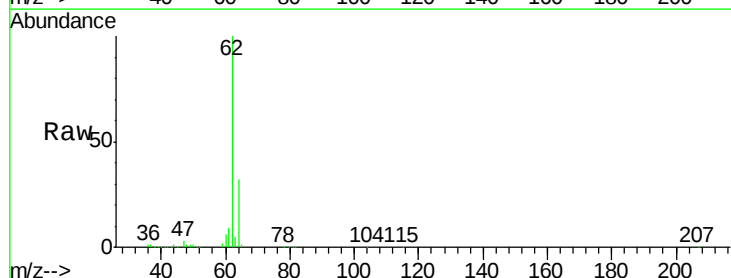
Acq: 10 Aug 2019 10:38

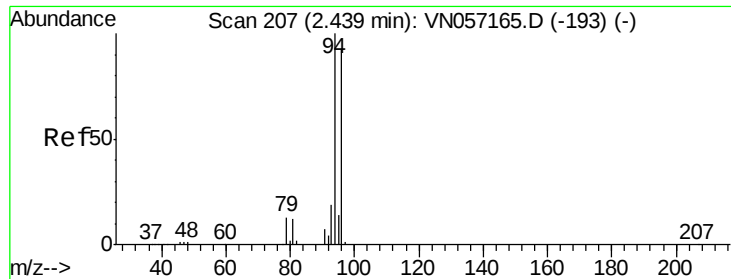
Tgt Ion: 62 Resp: 521904

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 47.181 ug/l

RT: 2.43 min Scan# 204

Delta R.T. -0.01 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 366651

Ion Ratio Lower Upper

94 100

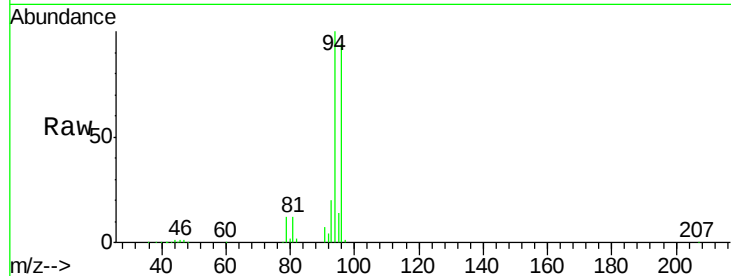
96 93.9 74.7 112.1

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO

2.43

200000

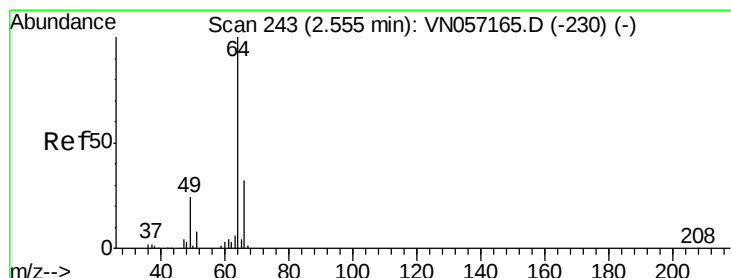
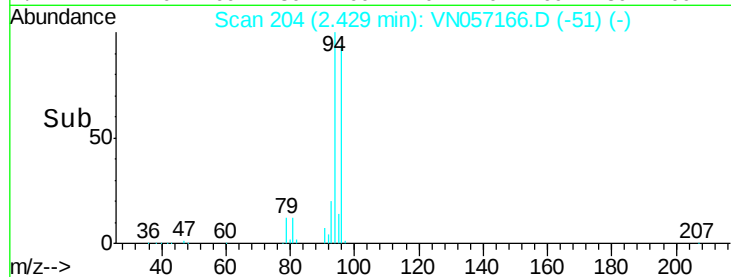
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.965 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN057166.D

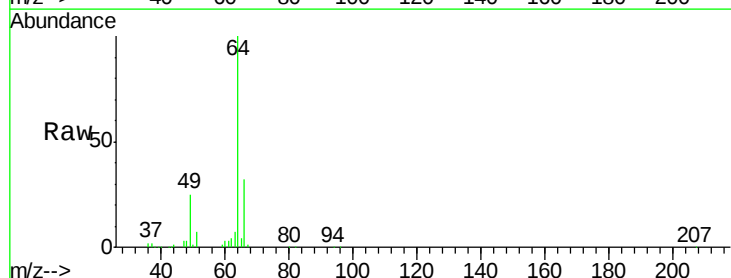
Acq: 10 Aug 2019 10:38

Tgt Ion: 64 Resp: 332241

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO

2.55

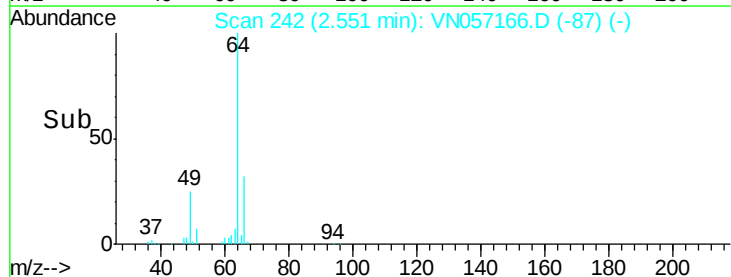
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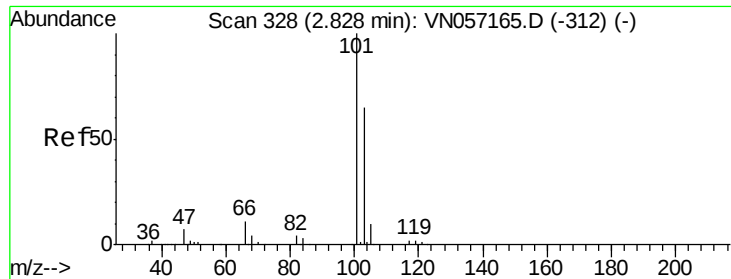
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Time-->





#7

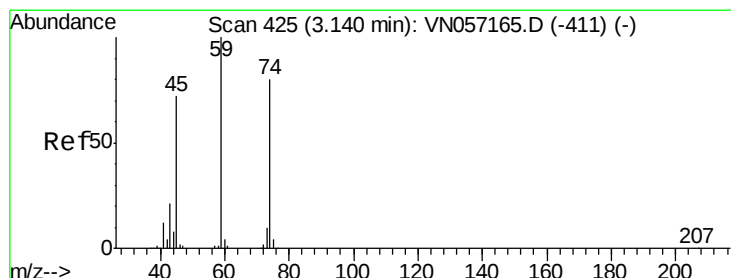
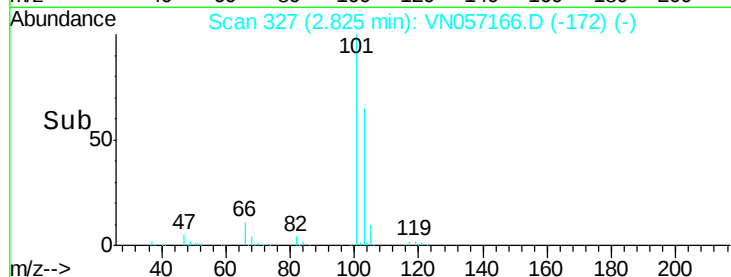
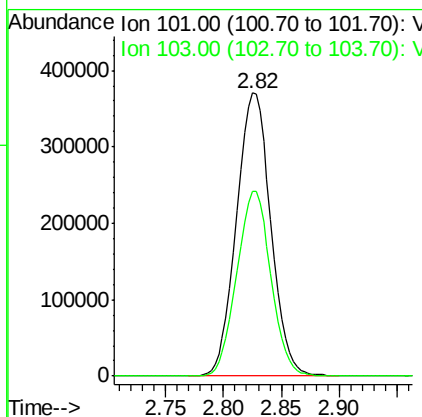
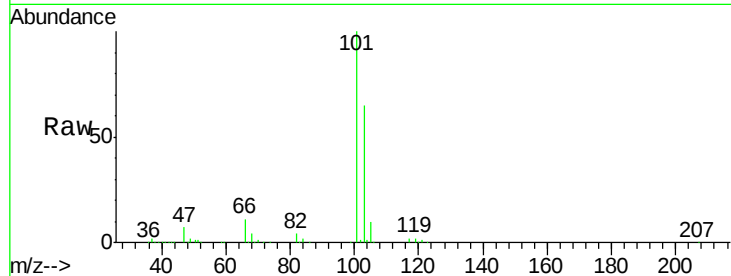
Trichlorofluoromethane
 Concen: 46.869 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

Manual Integrations
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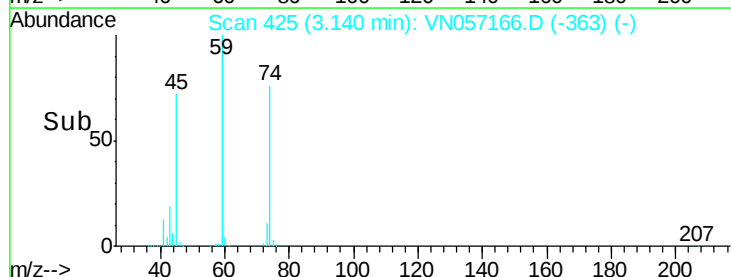
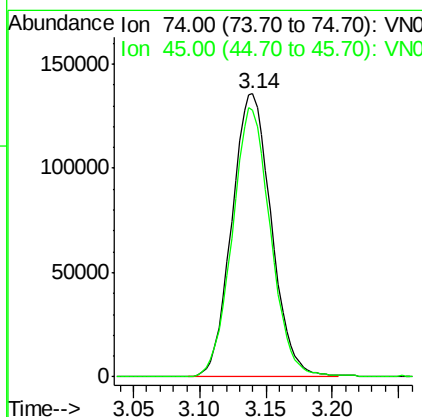
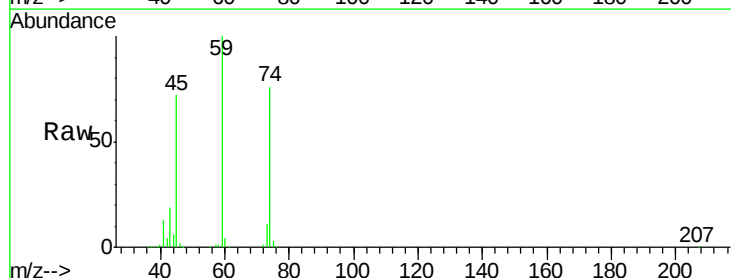
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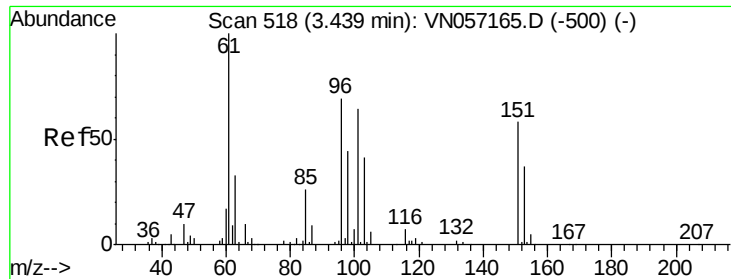


#8

Diethyl Ether
 Concen: 46.433 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	17.9	161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.480 ug/l

RT: 3.44 min Scan# 518

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

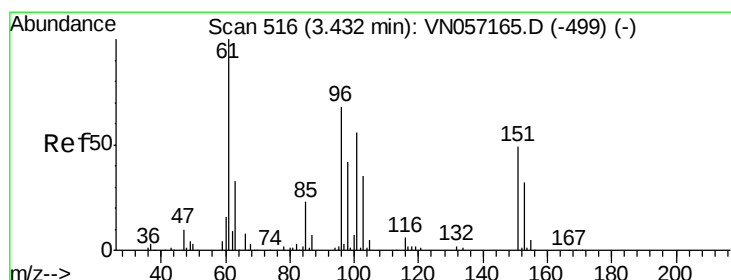
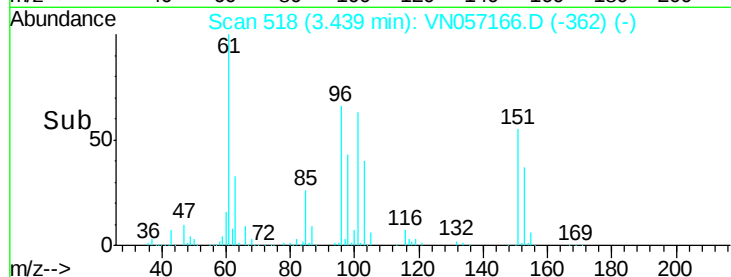
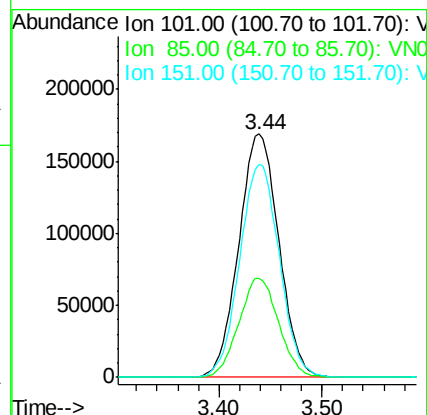
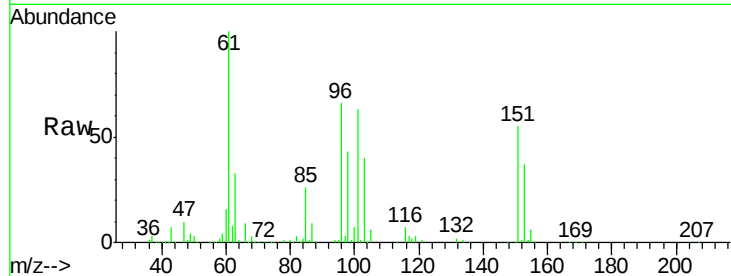
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	457344
Ion Ratio	Lower	Upper	
101	100		
85	40.4	0.0	84.4
151	86.8	0.0	175.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 46.982 ug/l

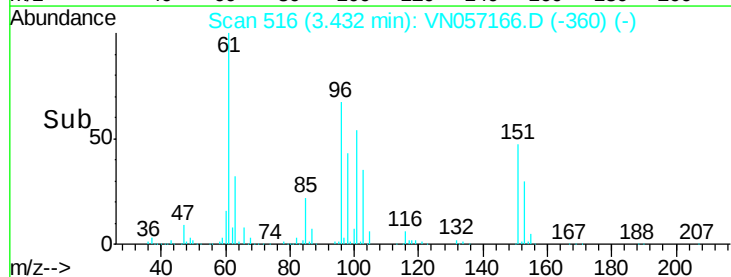
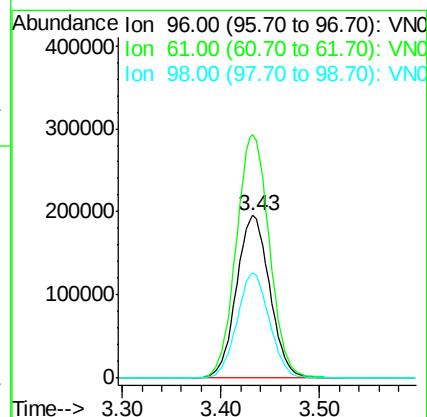
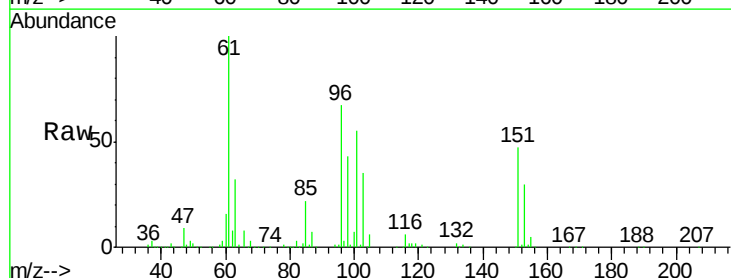
RT: 3.43 min Scan# 516

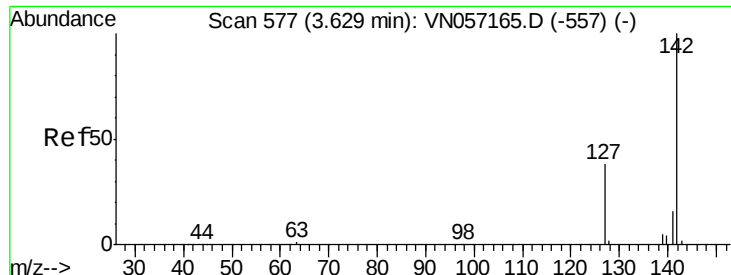
Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Tgt Ion:	96	Resp:	457069
Ion Ratio	Lower	Upper	
96	100		
61	149.6	118.2	177.2
98	64.8	49.3	73.9





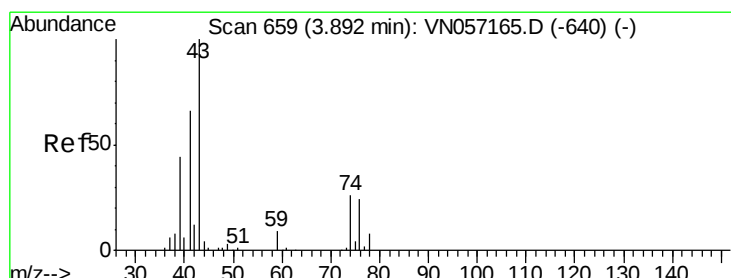
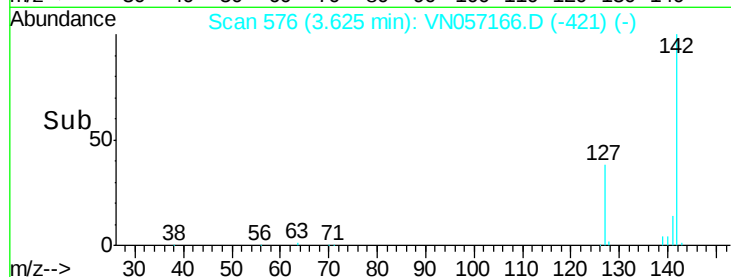
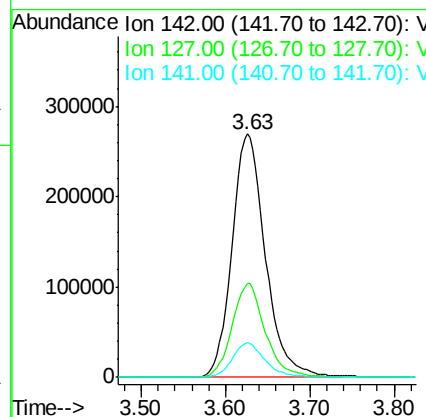
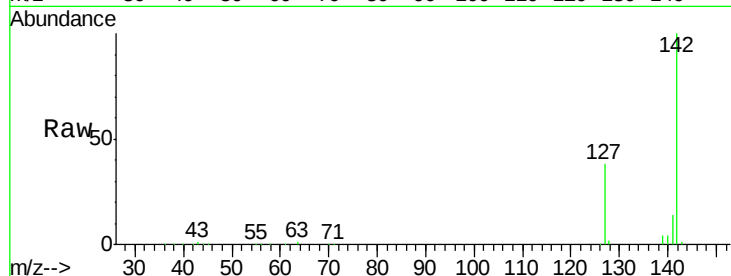
#11
Methyl Iodide
Concen: 48.719 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.4	19.0	57.0
141	14.1	7.8	23.5

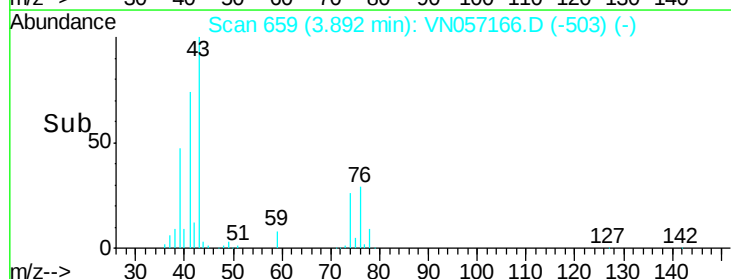
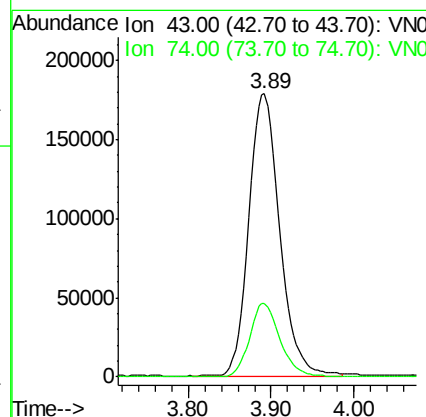
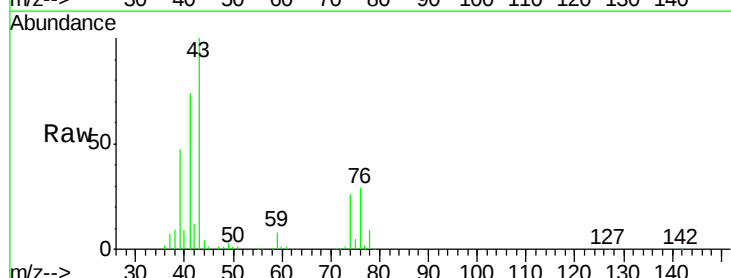
Manual Integrations
APPROVED

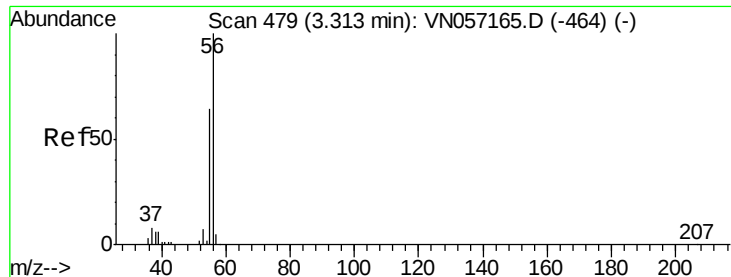
MMDadoda
8/12/2019 3:55:29 PM



#12
Methyl Acetate
Concen: 45.589 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.5	30.7





#13

Acrolein

Concen: 252.737 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.01 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 56 Resp: 282464

Ion Ratio Lower Upper

56 100

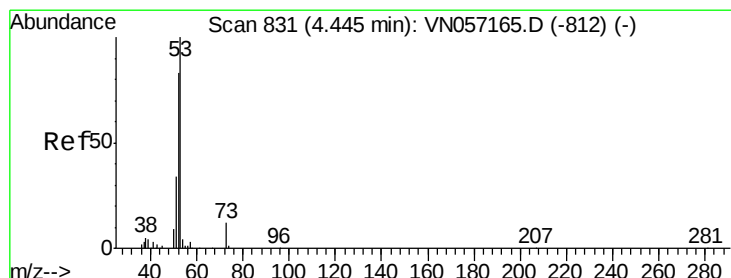
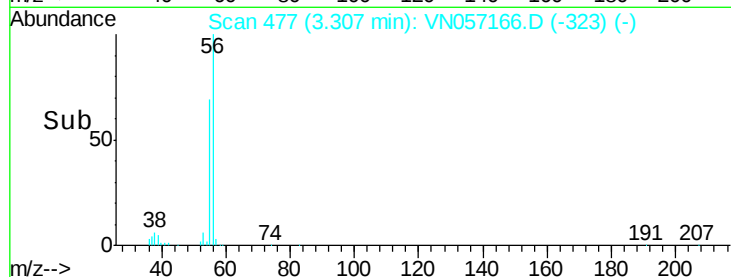
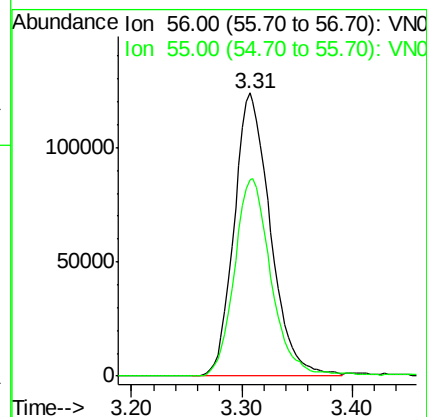
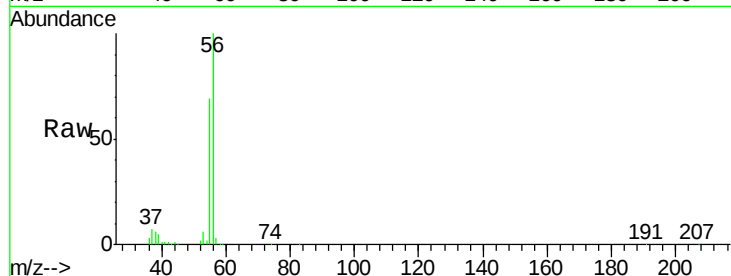
55 69.2 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:55:29 PM



#14

Acrylonitrile

Concen: 239.256 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

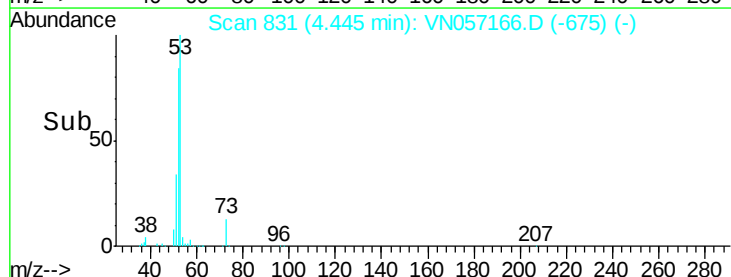
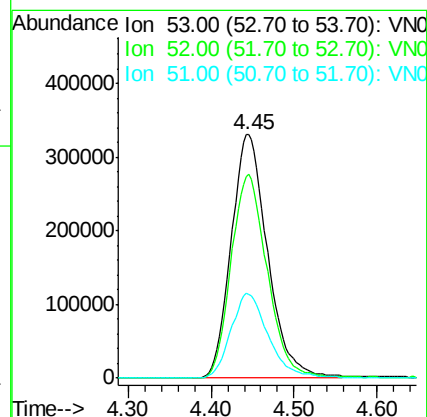
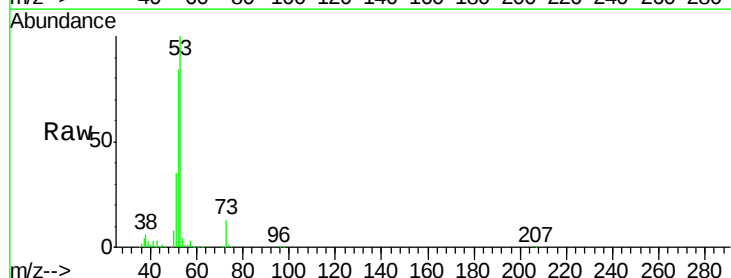
Tgt Ion: 53 Resp: 1011599

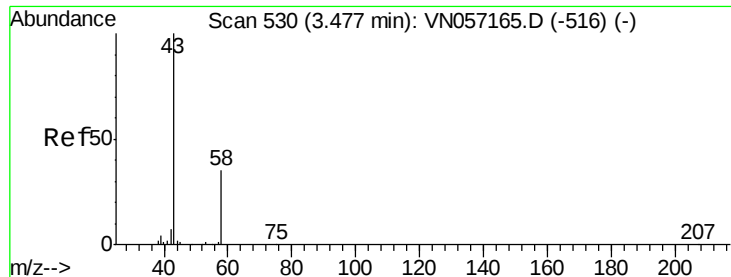
Ion Ratio Lower Upper

53 100

52 82.6 41.1 123.4

51 35.4 17.4 52.3





#15

Acetone

Concen: 250.346 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 351293

Ion Ratio Lower Upper

58 100

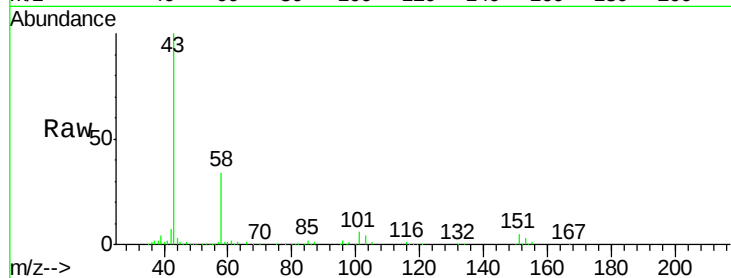
43 294.4 226.2 339.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN057166.D (-529) (-)

Ion 43.00 (42.70 to 43.70): VN057166.D (-529) (-)

500000

400000

300000

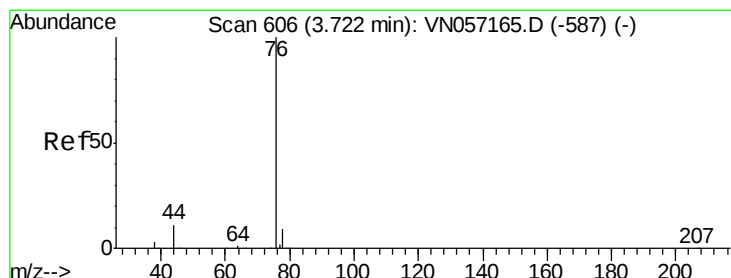
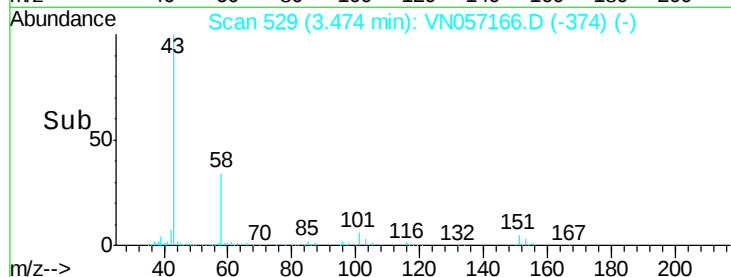
200000

100000

0

3.40 3.45 3.50 3.55

Time-->



#16

Carbon Disulfide

Concen: 47.424 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057166.D

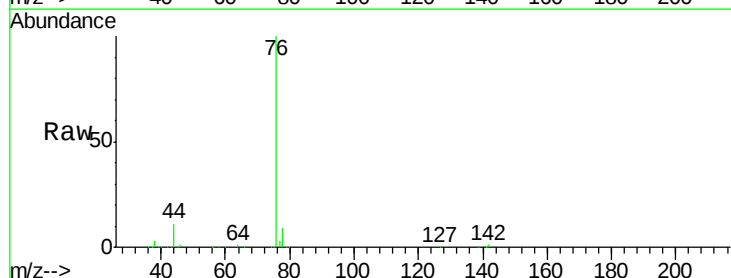
Acq: 10 Aug 2019 10:38

Tgt Ion: 76 Resp: 1244675

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057166.D (-606) (-)

Ion 78.00 (77.70 to 78.70): VN057166.D (-606) (-)

600000

500000

400000

300000

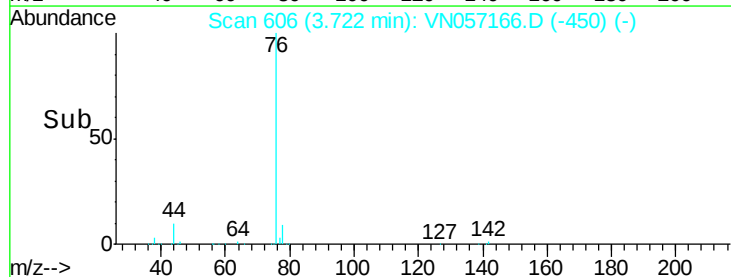
200000

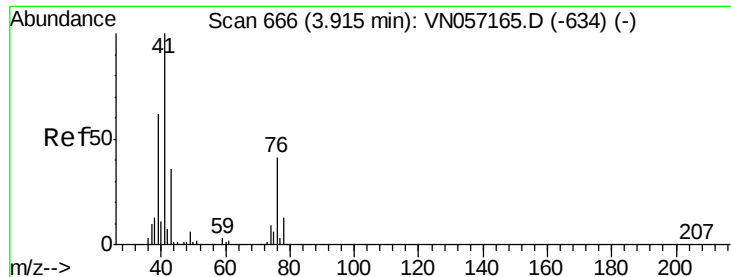
100000

0

3.60 3.70 3.80

Time-->





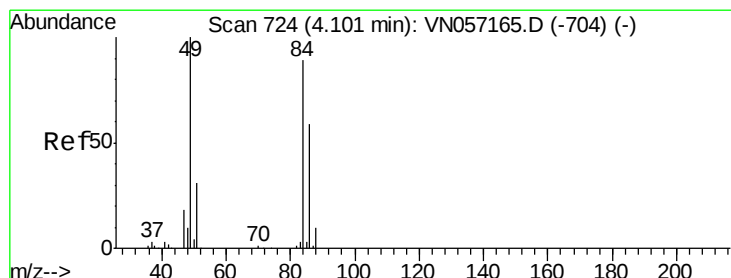
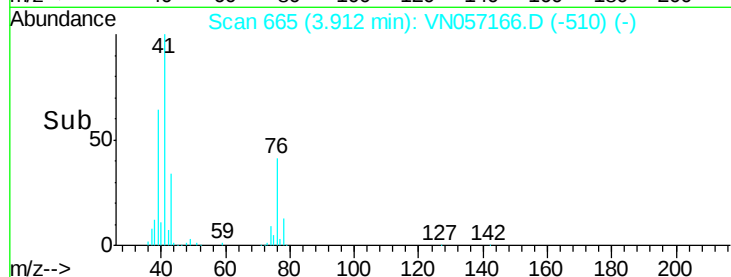
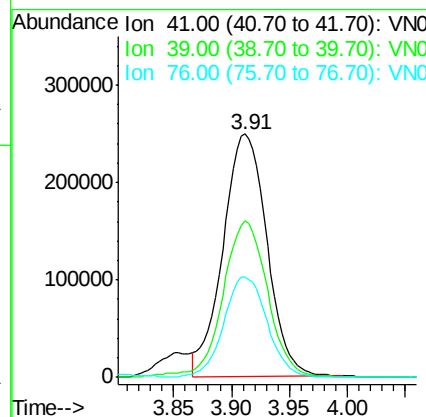
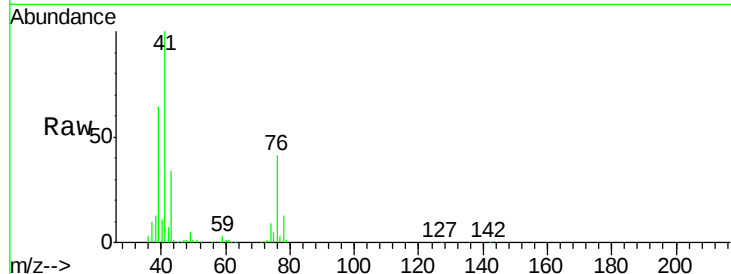
#17
Allvl chloride
Concen: 45.665 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	654937		
39	64.5		31.2	93.6
76	41.1		20.5	61.6

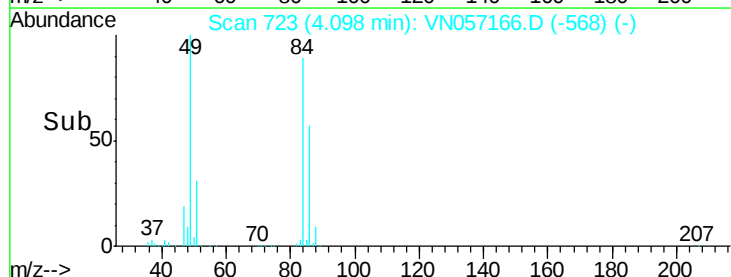
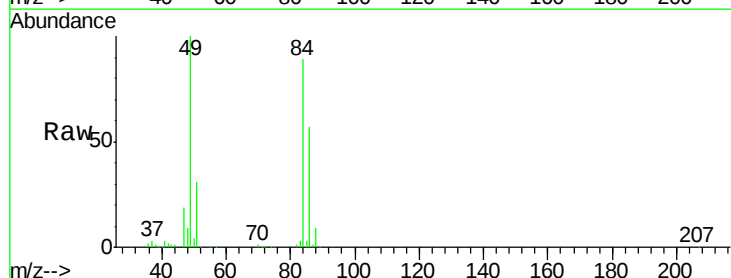
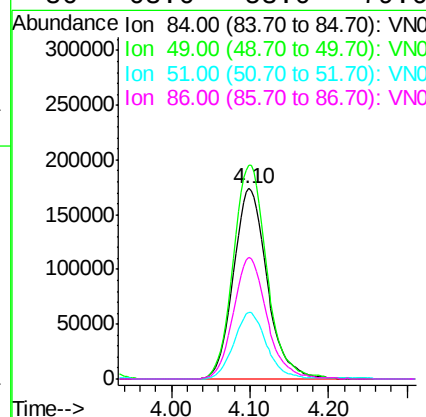
Manual Integrations
APPROVED

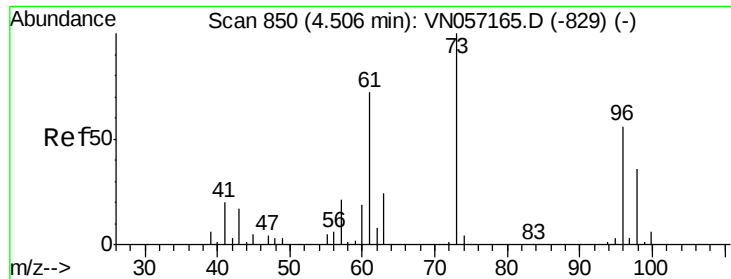
MMDadoda
8/12/2019 3:55:29 PM



#18
Methylene Chloride
Concen: 47.065 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	519092		
49	111.8		90.1	135.1
51	35.1		27.9	41.9
86	63.6		53.0	79.6





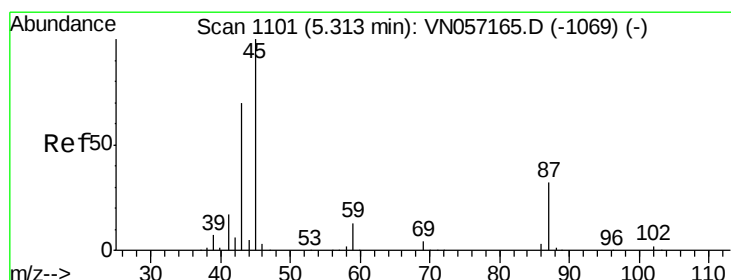
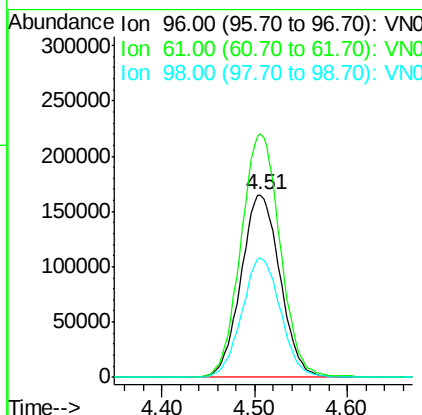
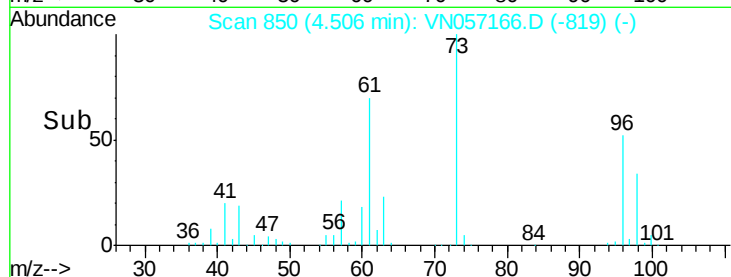
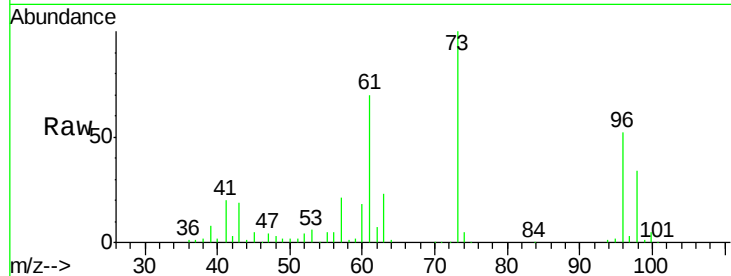
#19
trans-1,2-Dichloroethene
Concen: 46.245 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.3	103.6	155.4
98	65.3	51.3	76.9

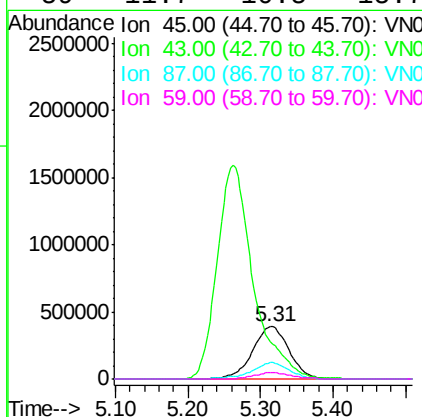
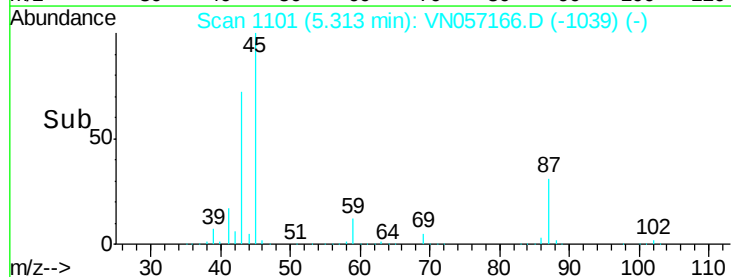
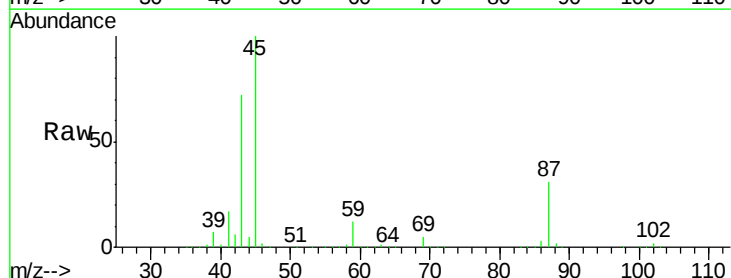
Manual Integrations
APPROVED

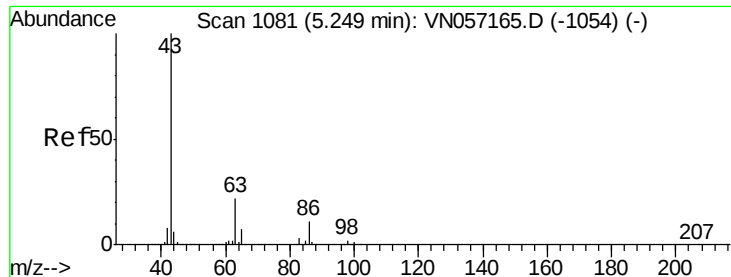
MMDadoda
8/12/2019 3:55:29 PM



#20
Diisopropyl ether
Concen: 46.815 ug/l
RT: 5.31 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.6	60.0	90.0
87	30.9	25.9	38.9
59	11.7	10.5	15.7





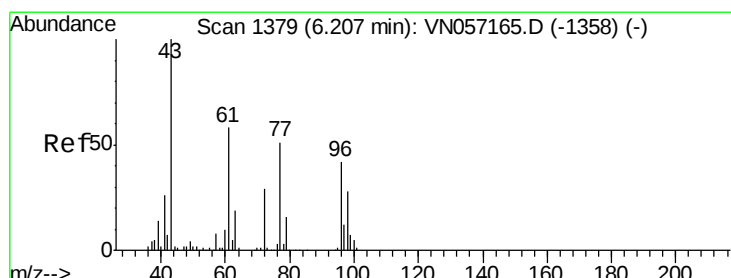
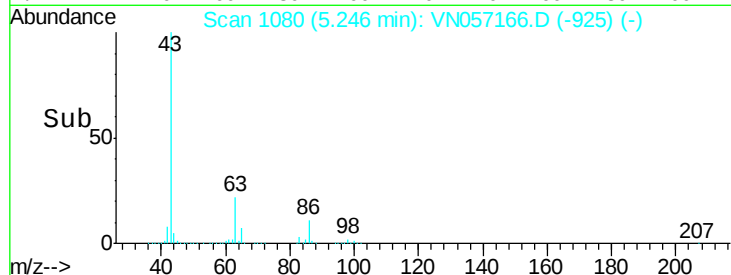
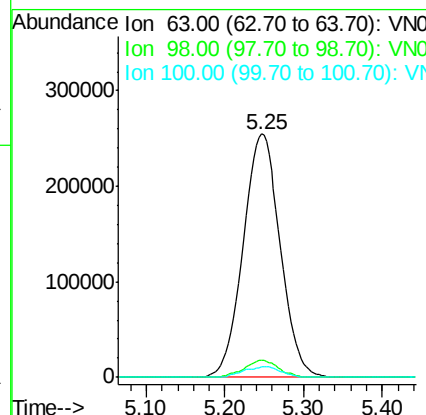
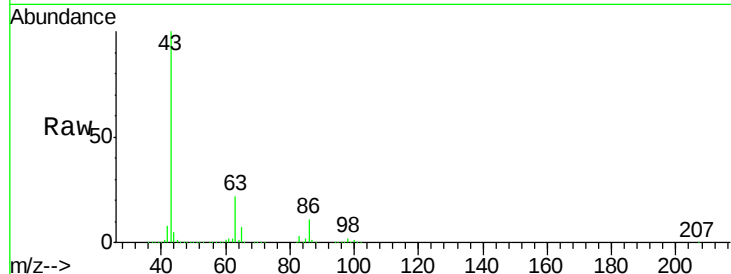
#21
 1,1-Dichloroethane
 Concen: 46.208 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.3	3.5	10.4	
100	4.4	1.9	5.7	

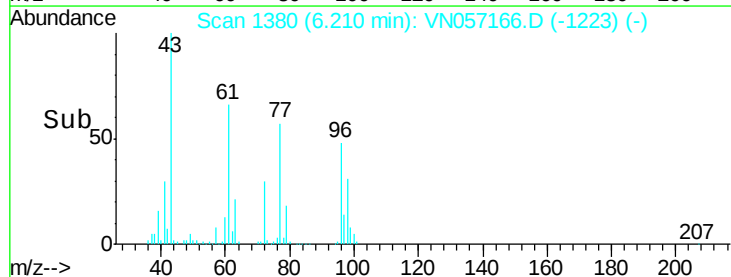
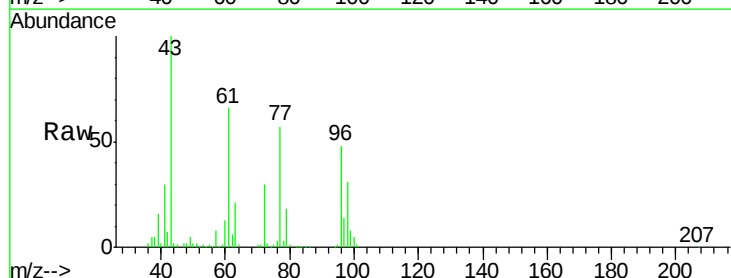
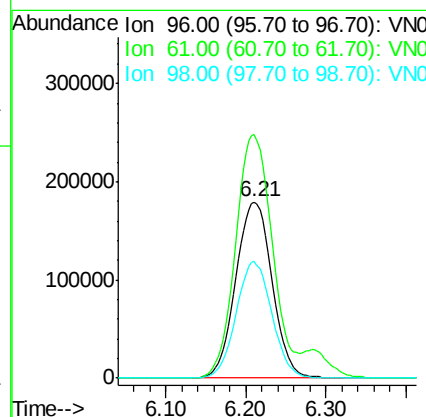
Manual Integrations
 APPROVED

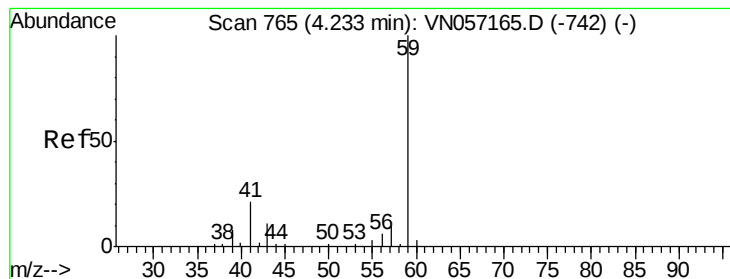
MMDadoda
 8/12/2019 3:55:29 PM



#22
 cis-1,2-Dichloroethene
 Concen: 46.568 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.5	109.2	163.8	
98	64.8	51.7	77.5	





#23

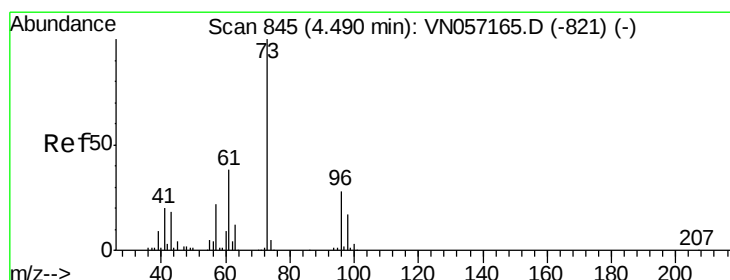
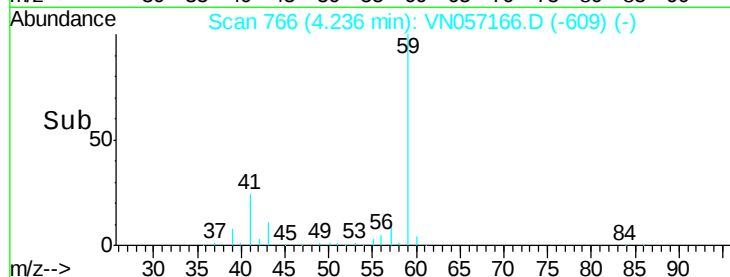
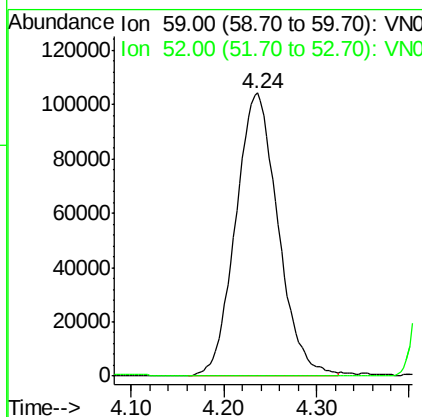
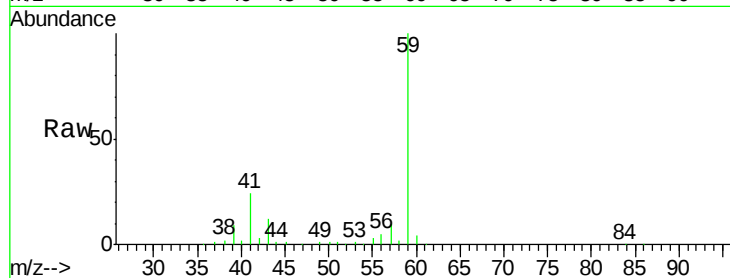
tert-Butyl Alcohol
 Concen: 237.162 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	330891		
52	52	0.0	0.2	0.2	0.2

Manual Integrations
 APPROVED

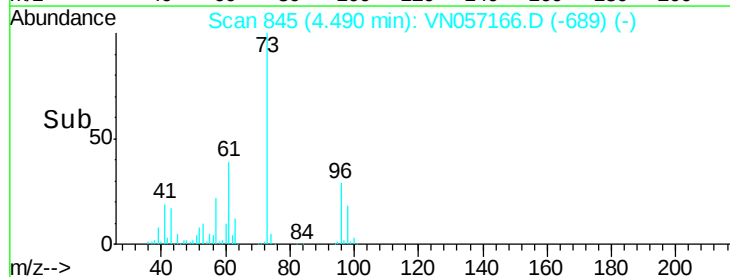
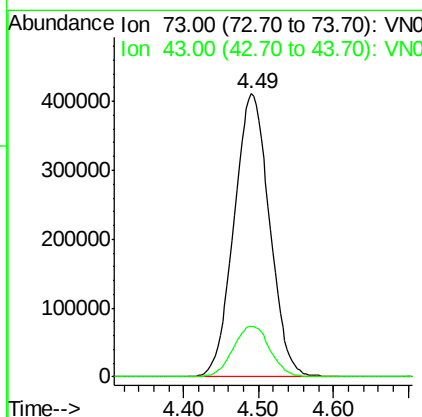
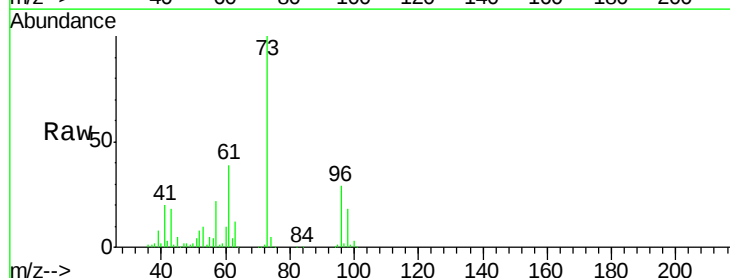
MMDadoda
 8/12/2019 3:55:29 PM

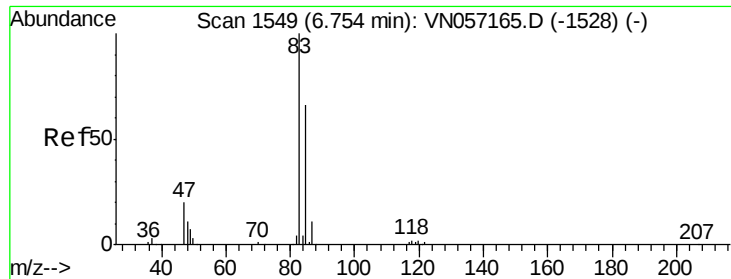


#24

Methyl tert-Butyl Ether
 Concen: 47.302 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	1353221		
43	43	18.5	14.3	21.5	





#25

Chloroform

Concen: 46.091 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 863386

Ion Ratio Lower Upper

83 100

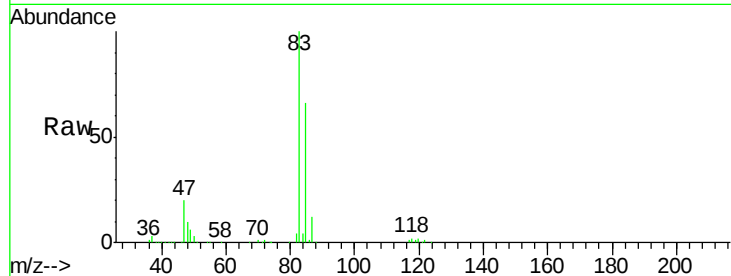
85 66.2 52.5 78.7

Manual Integrations

APPROVED

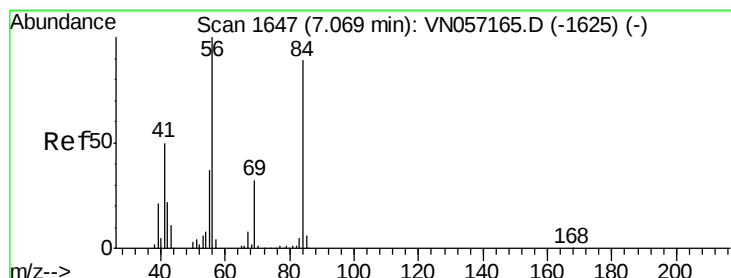
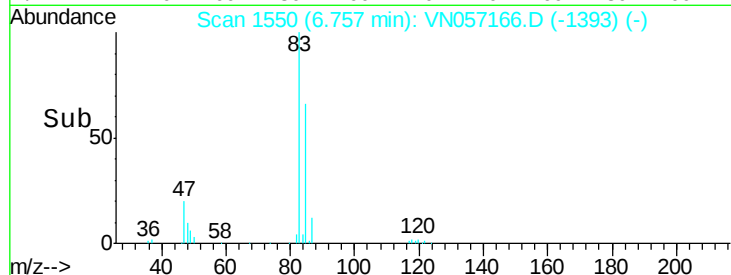
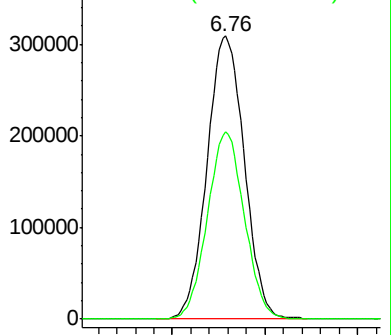
MMDadoda

8/12/2019 3:55:29 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 47.303 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

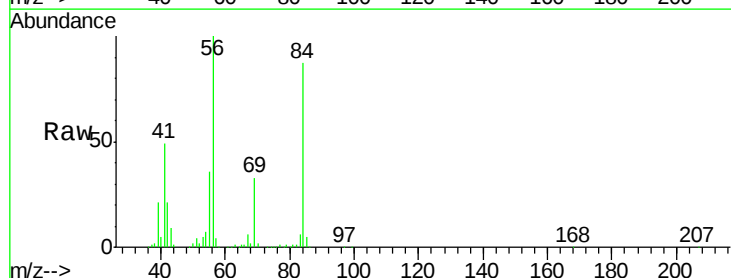
Tgt Ion: 56 Resp: 736682

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

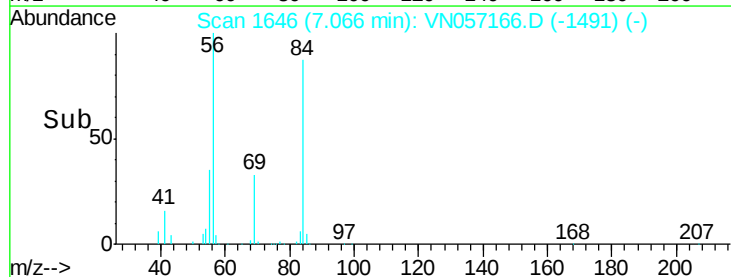
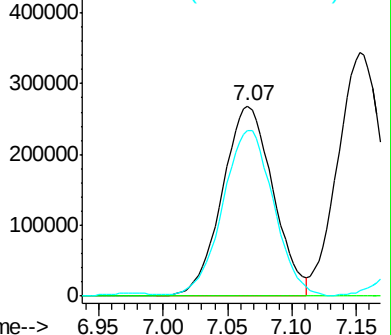
84 87.5 70.8 106.2

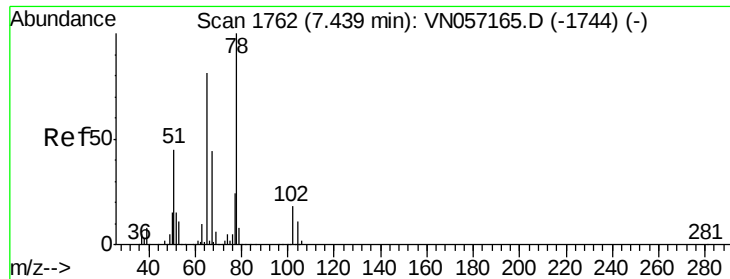


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





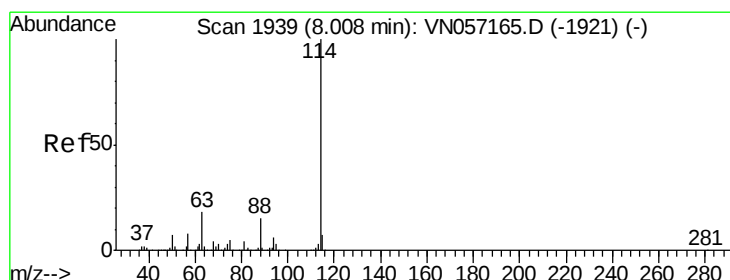
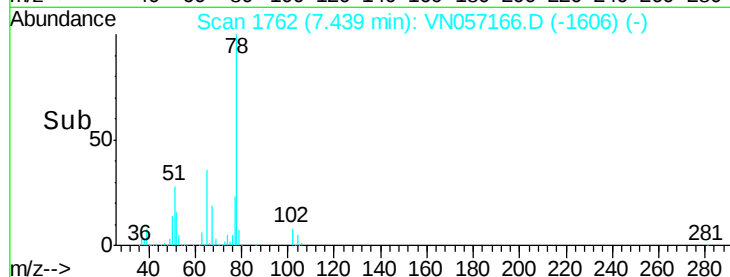
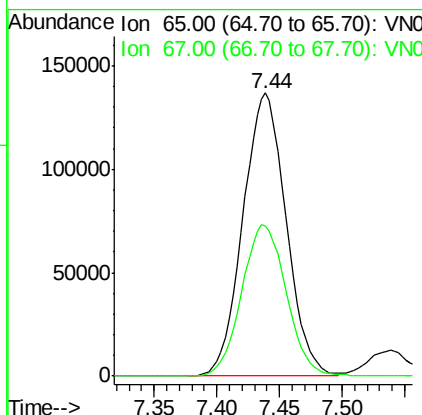
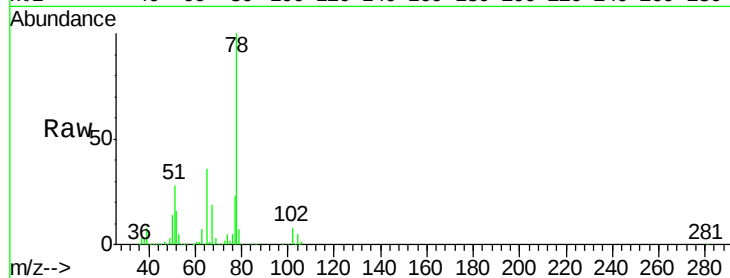
#27
 1,2-Dichloroethane-d4
 Concen: 29.606 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	42.4	63.6

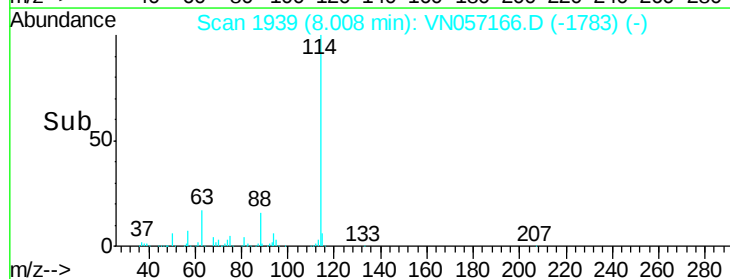
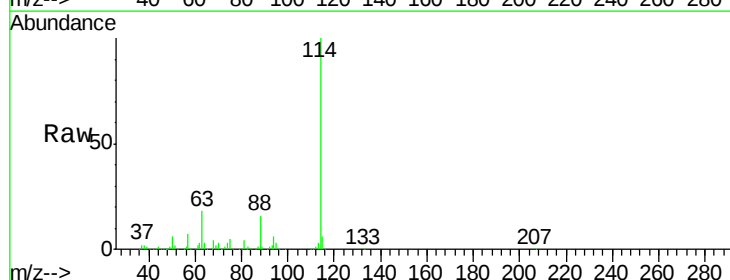
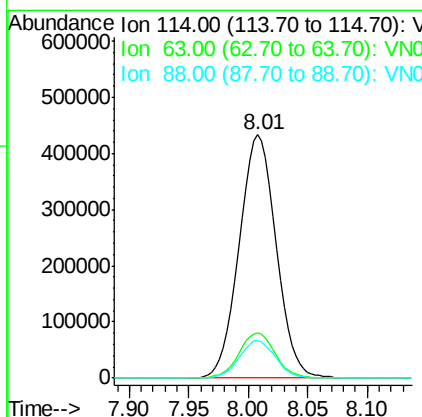
Manual Integrations
 APPROVED

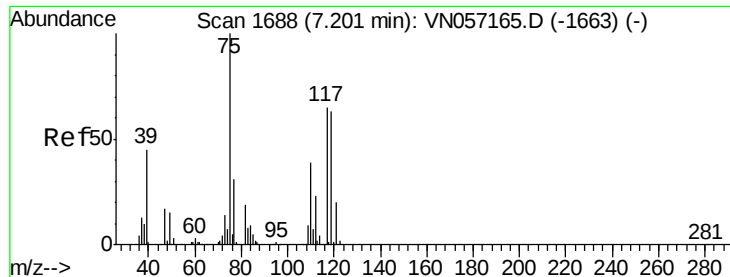
MMDadoda
 8/12/2019 3:55:29 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.6	21.8
88	15.2	12.2	18.2





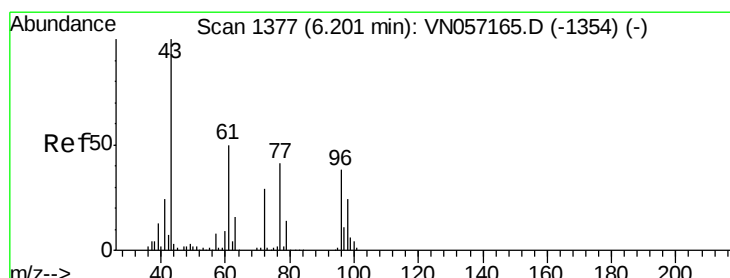
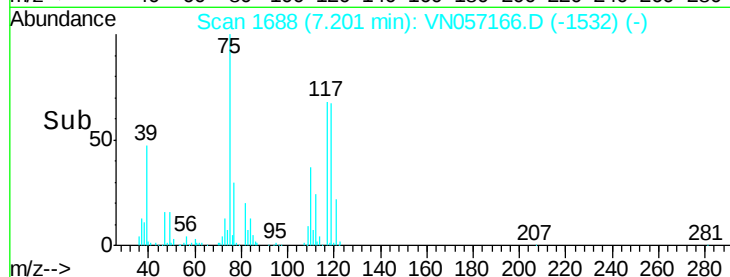
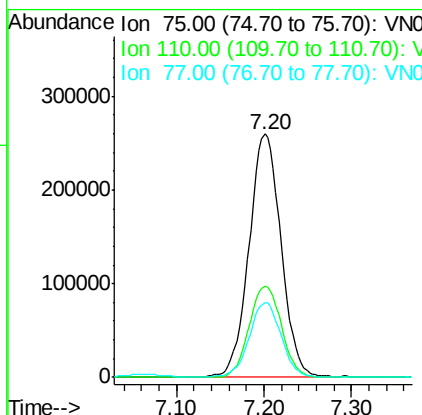
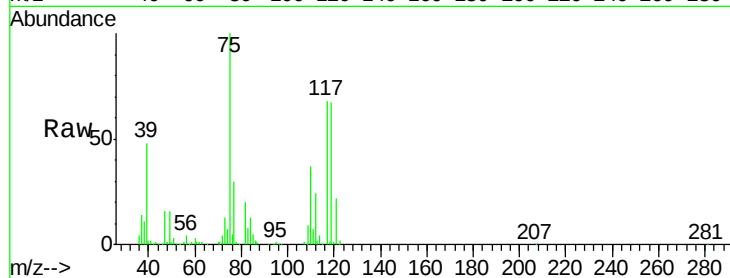
#29
 1,1-Dichloropropene
 Concen: 47.124 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.7	0.0	75.6
77	30.4	0.0	62.4

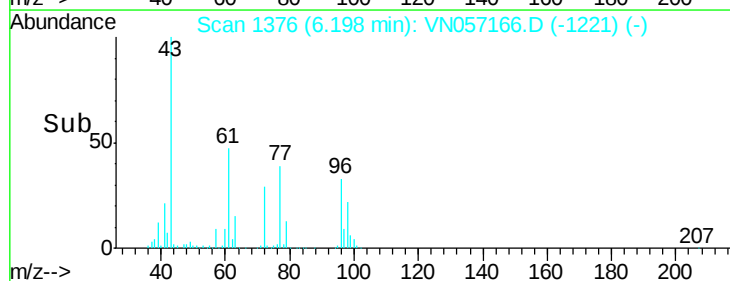
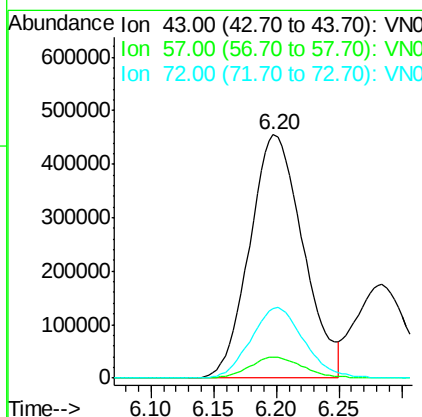
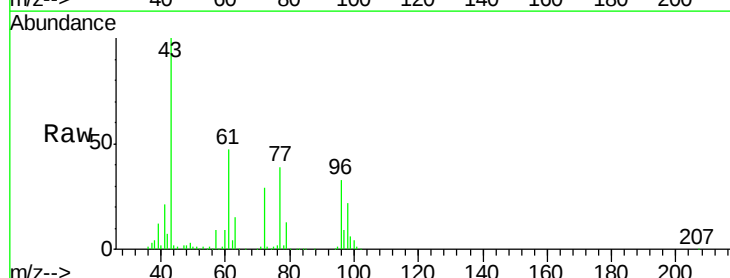
Manual Integrations
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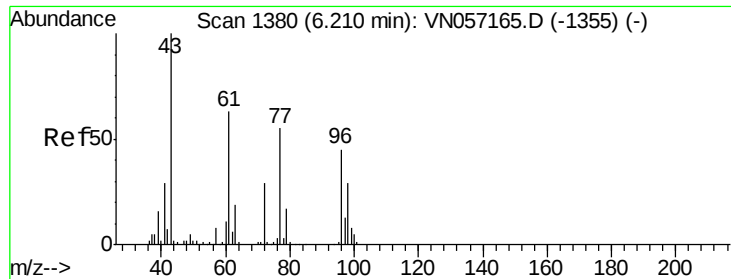
MMDadoda
 8/12/2019 3:55:29 PM



#30
 2-Butanone
 Concen: 243.717 ug/l
 RT: 6.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.6	6.8	10.2
72	29.1	23.0	34.6





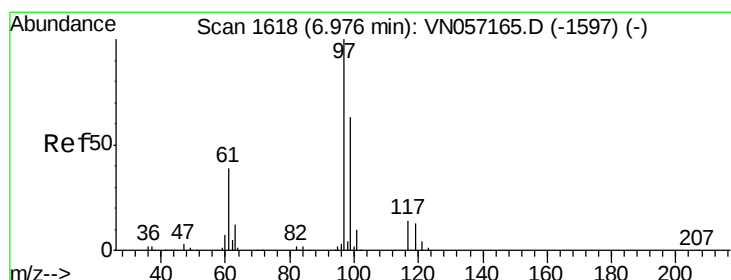
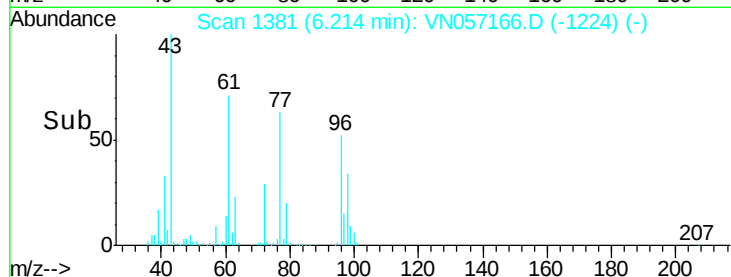
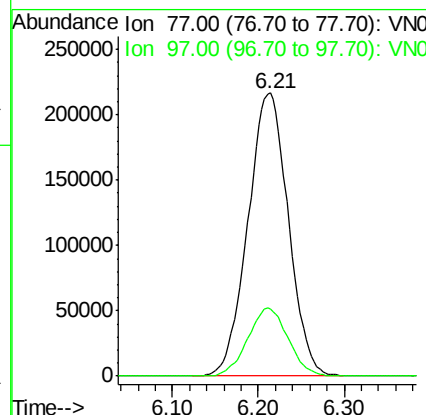
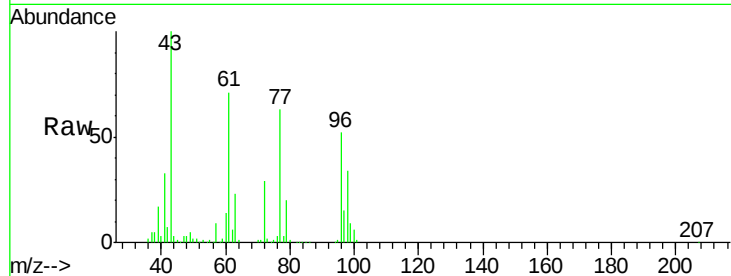
#31
 2,2-Dichloropropane
 Concen: 47.251 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.9	19.4	29.2

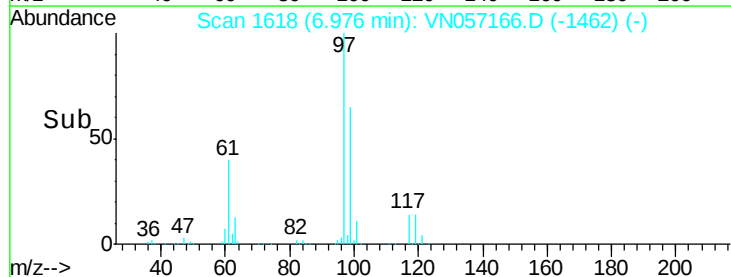
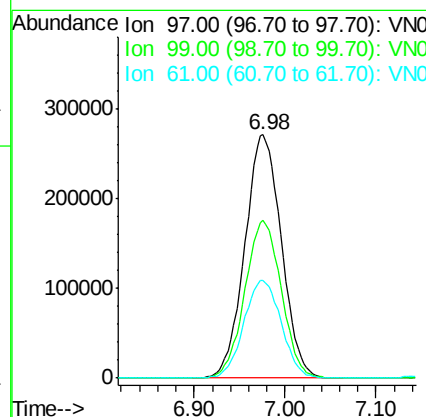
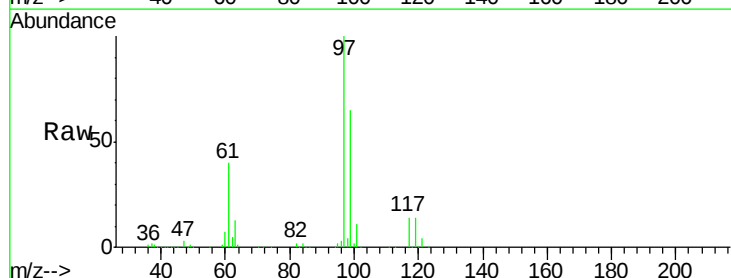
Manual Integrations
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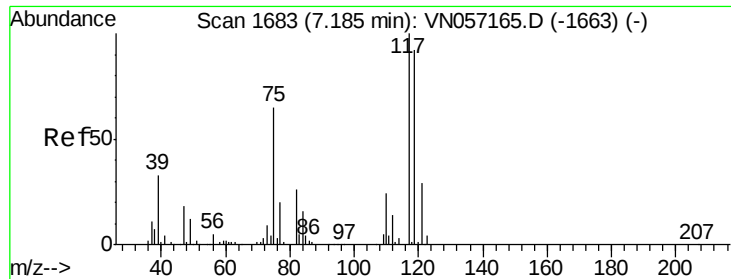
MMDadoda
 8/12/2019 3:55:29 PM



#32
 1,1,1-Trichloroethane
 Concen: 46.657 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.4	78.6
61	41.0	32.3	48.5





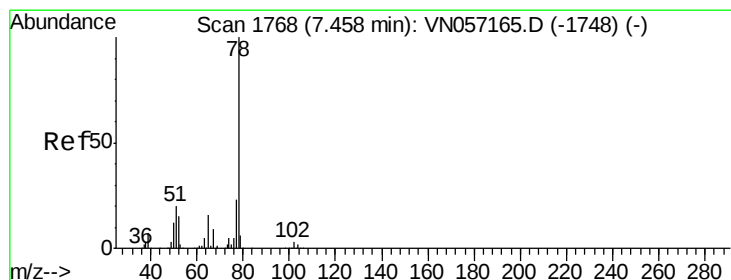
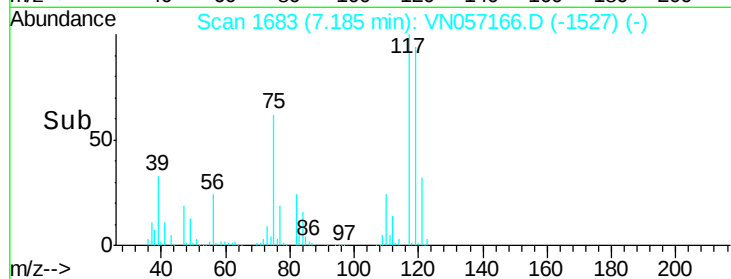
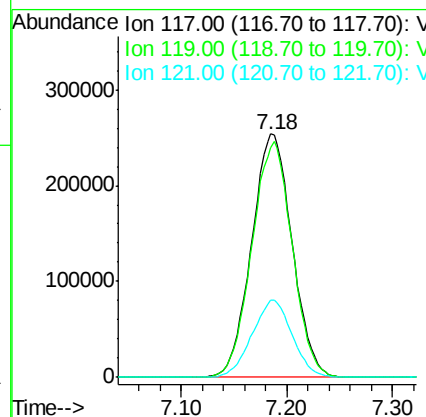
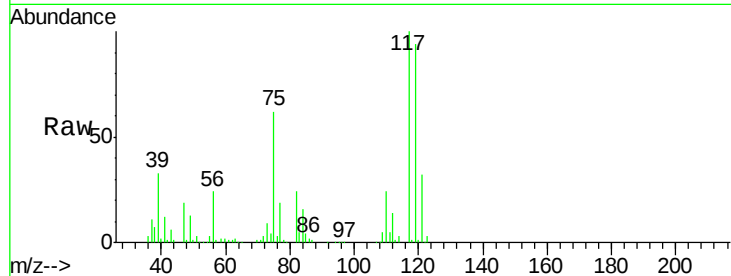
#33
Carbon Tetrachloride
Concen: 46.933 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.9	110.9
121	31.8	23.4	35.2

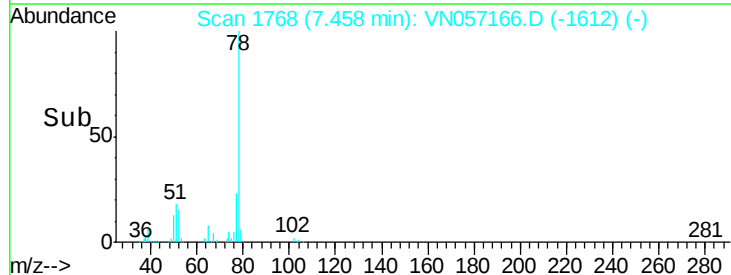
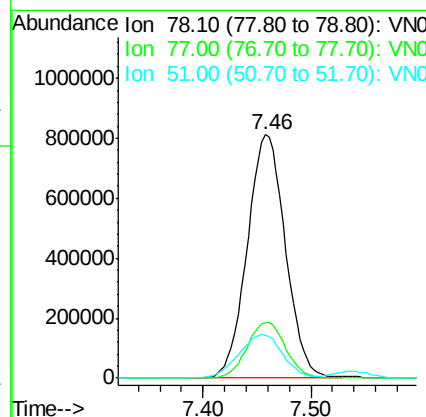
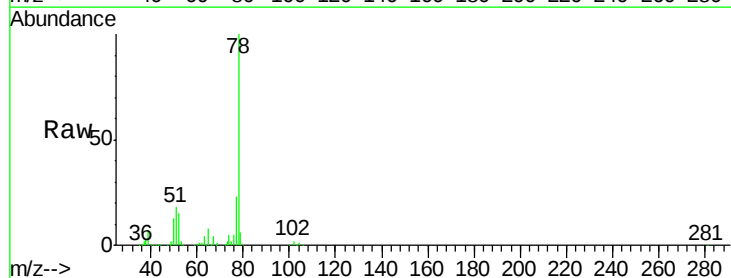
Manual Integrations
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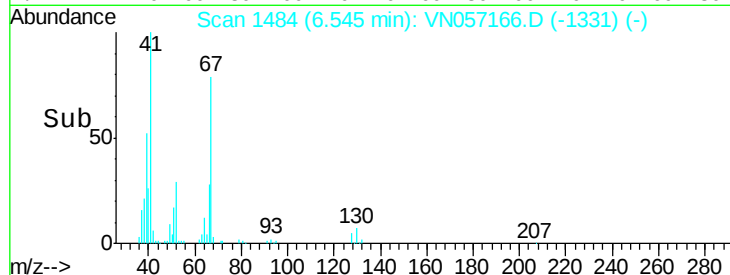
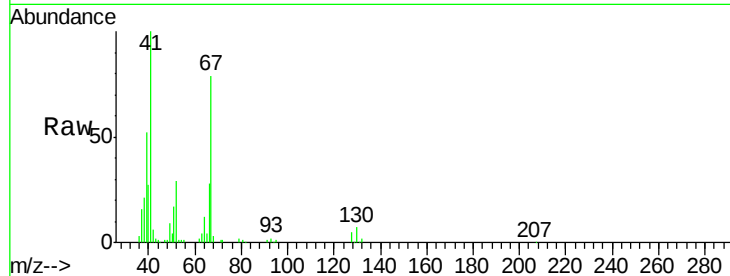
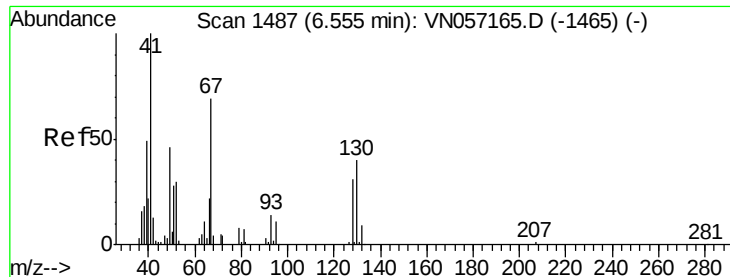
MMDadoda
8/12/2019 3:55:29 PM



#34
Benzene
Concen: 46.577 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5
51	17.7	16.2	24.2





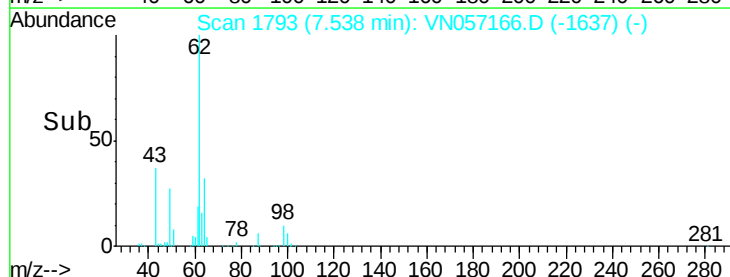
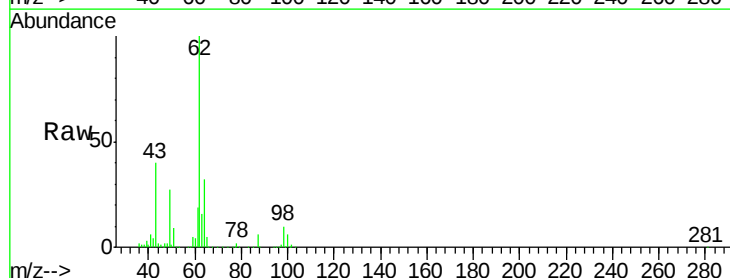
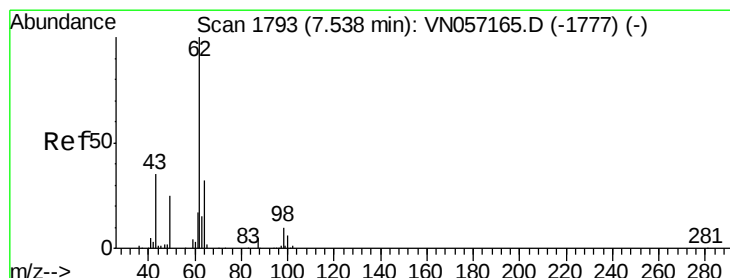
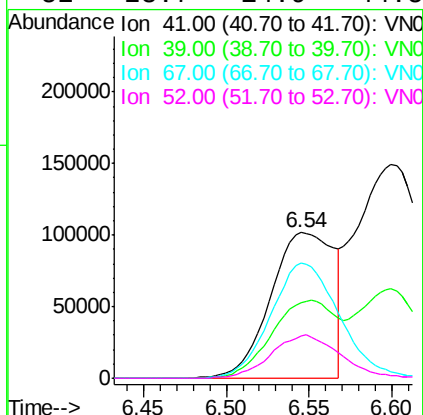
#35
Methacrylonitrile
Concen: 48.228 ug/l
RT: 6.54 min Scan# 1484
Delta R.T. -0.01 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		269246		
39	51.7	24.6	74.0		
67	79.3	34.4	103.2		
52	28.7	14.9	44.5		

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

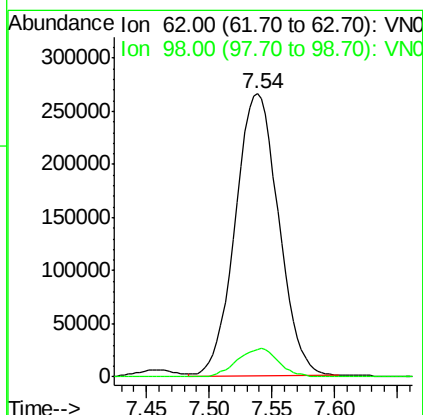
Manual Integrations
APPROVED

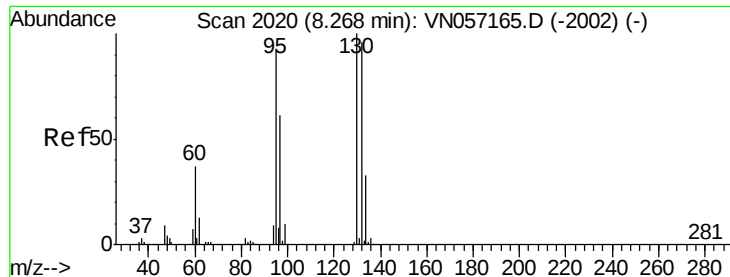
MMDadoda
8/12/2019 3:55:29 PM



#36
1,2-Dichloroethane
Concen: 46.711 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		639096		
98	9.8	8.2	12.4		





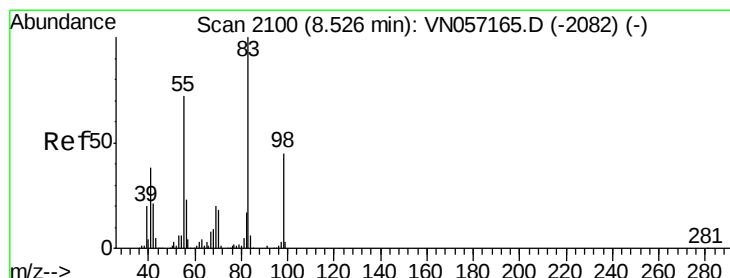
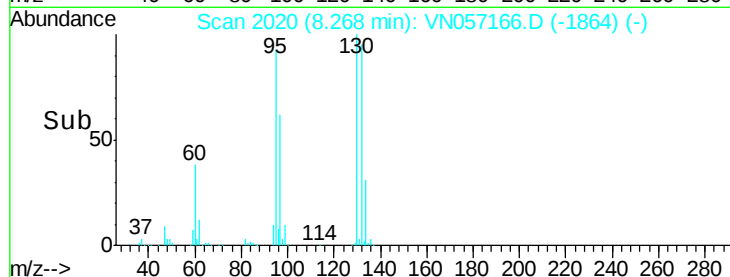
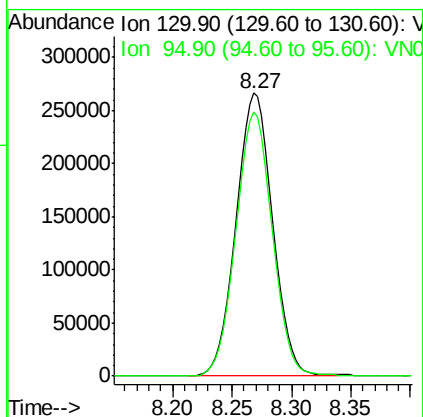
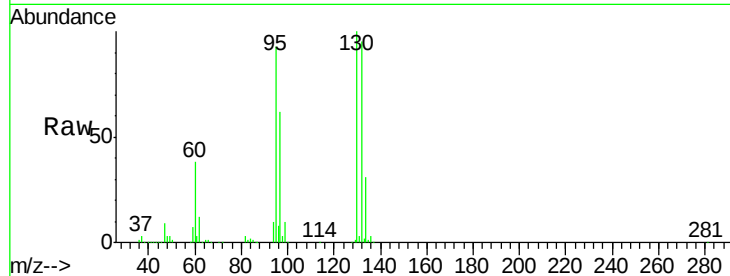
#37
 Trichloroethene
 Concen: 46.678 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	568089		
95	93.4	74.6	112.0	

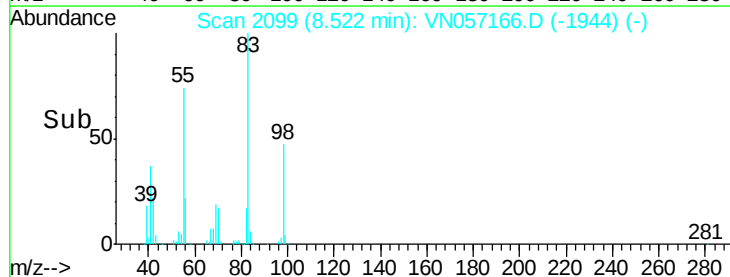
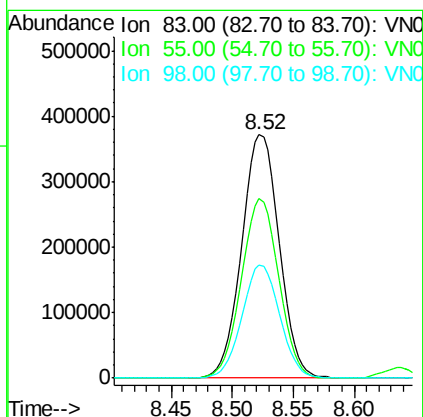
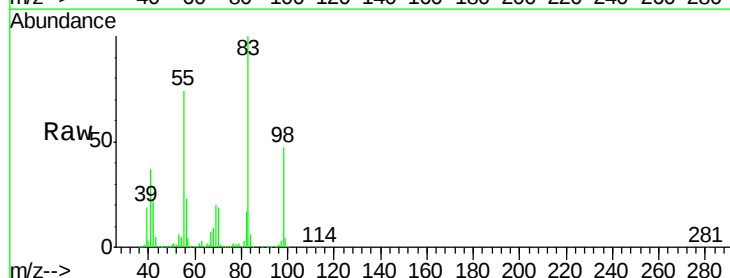
Manual Integrations
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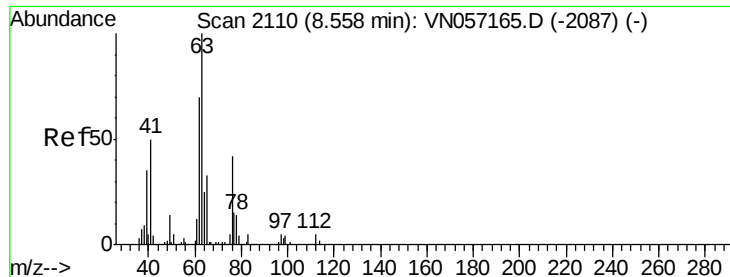
MMDadoda
 8/12/2019 3:55:29 PM



#38
 Methylcyclohexane
 Concen: 47.192 ug/l
 RT: 8.52 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	790118		
55	73.3	36.5	109.7	
98	46.6	23.4	70.0	





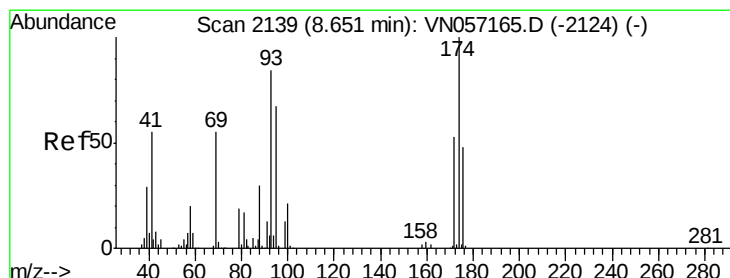
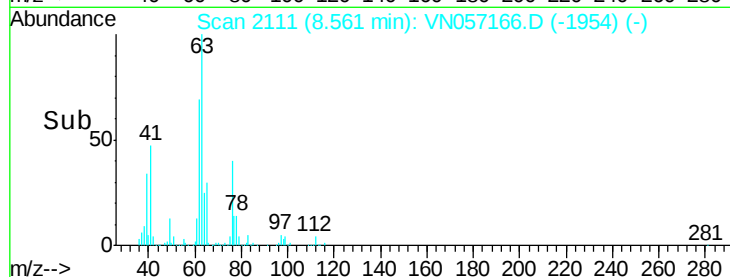
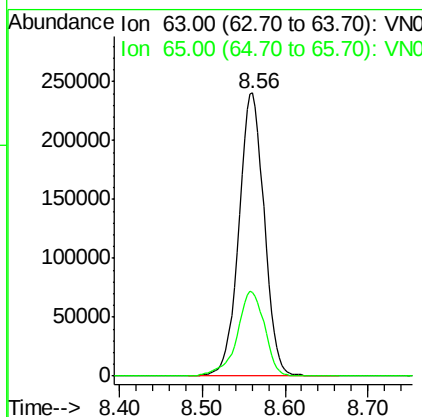
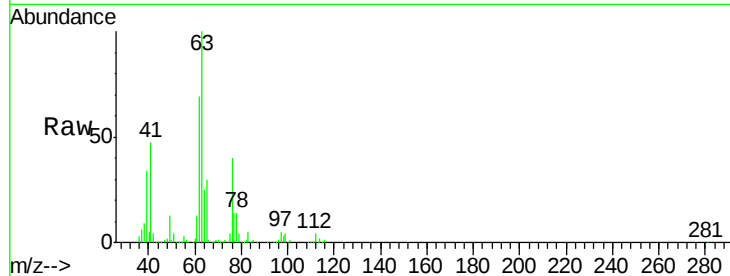
#39
 1,2-Dichloropropane
 Concen: 27.074 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

Tot Ion	63	Resp	513078
Ion Ratio	Lower	Upper	
63	100		
65	29.8	26.2	39.4

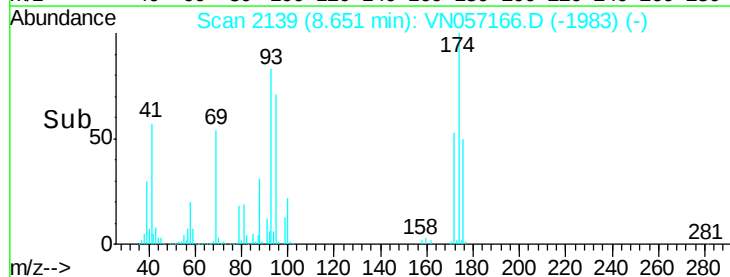
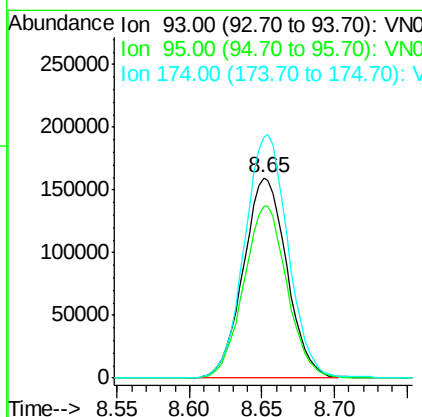
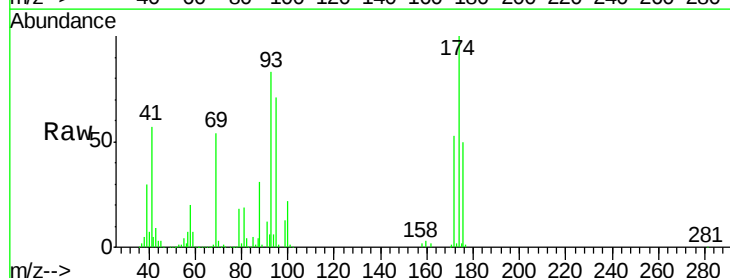
Manual Integrations
 APPROVED

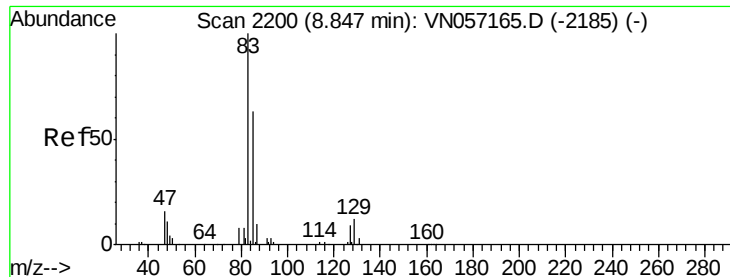
MMDadoda
 8/12/2019 3:55:29 PM



#40
 Dibromomethane
 Concen: 46.847 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	93	Resp	332937
Ion Ratio	Lower	Upper	
93	100		
95	85.3	0.0	165.0
174	121.5	0.0	245.4





#41

Bromodichloromethane

Concen: 47.322 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

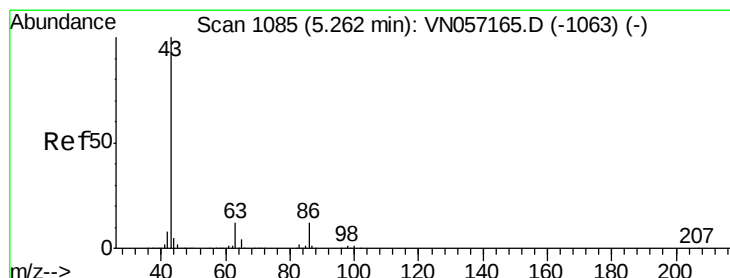
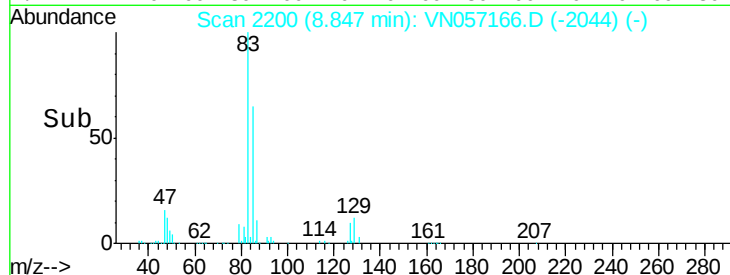
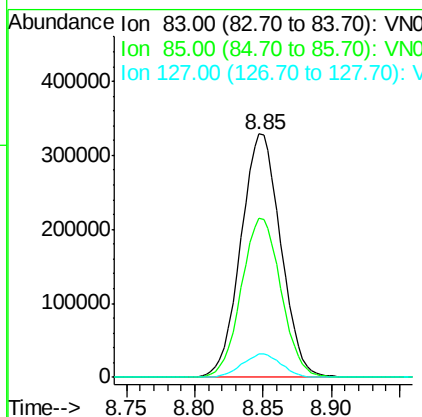
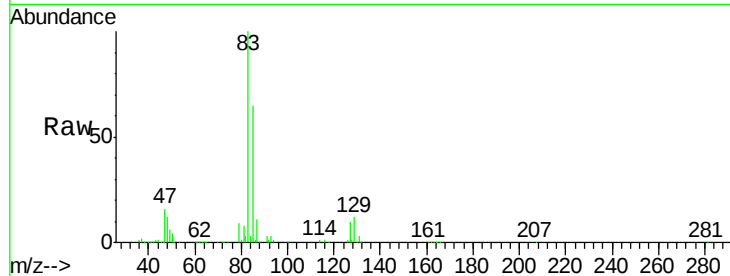
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	668739
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	76.0
127	9.6	7.0	10.6

Manual Integrations
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8/12/2019 3:55:29 PM



#42

Vinyl Acetate

Concen: 239.595 ug/l

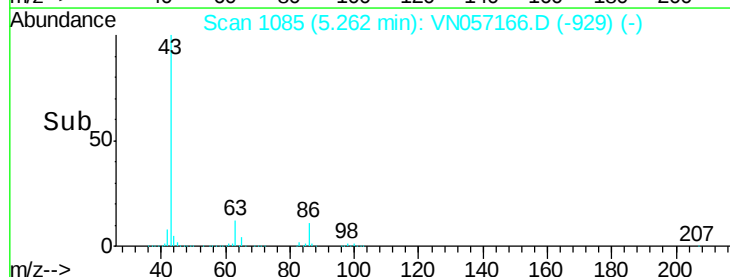
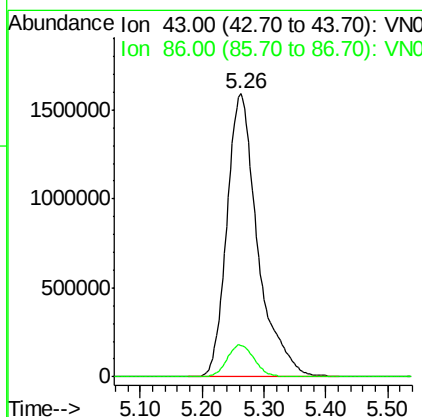
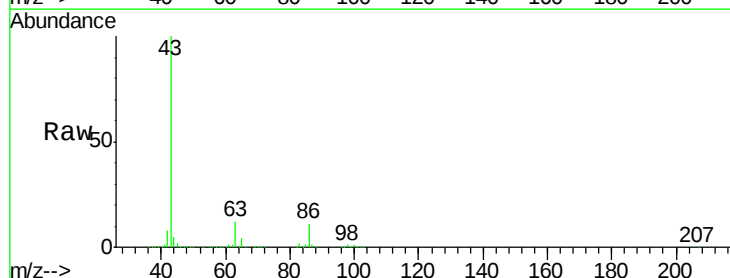
RT: 5.26 min Scan# 1085

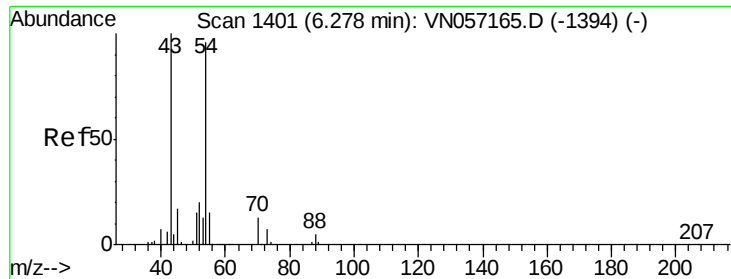
Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Tgt Ion:	43	Resp:	5501955
Ion Ratio	Lower	Upper	
43	100		
86	10.1	8.0	12.0





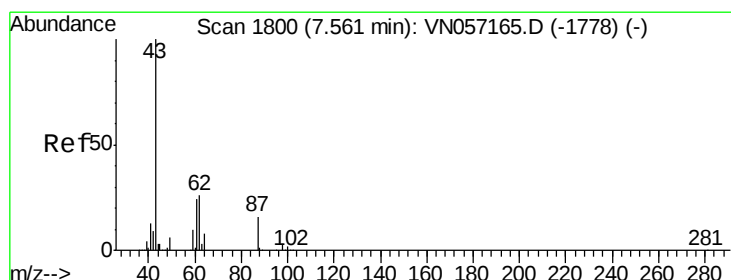
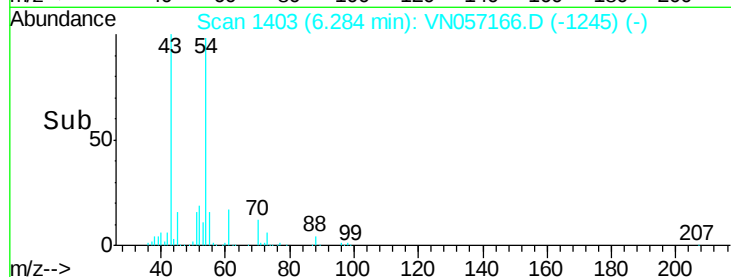
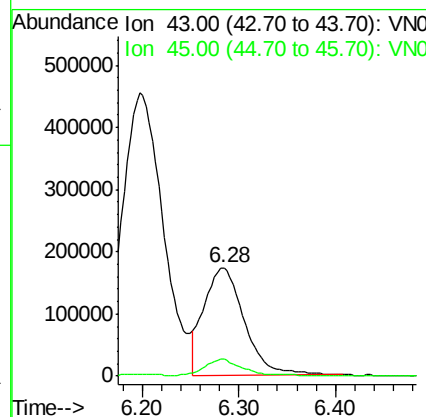
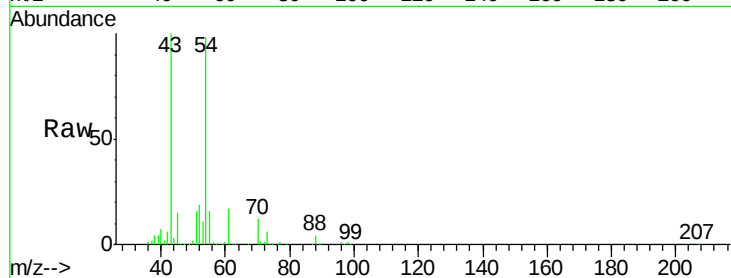
#43
Ethyl Acetate
Concen: 49.229 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
501522	100	13.0		10.1	15.1

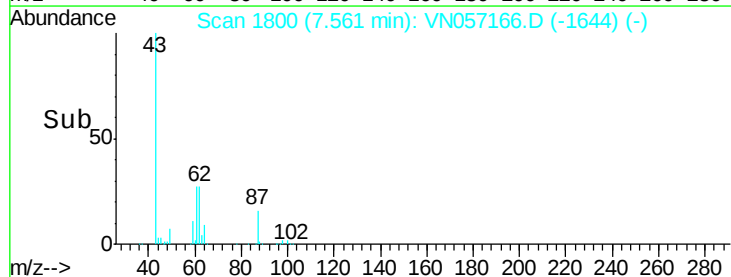
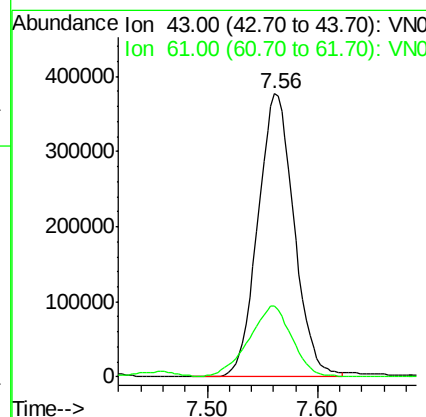
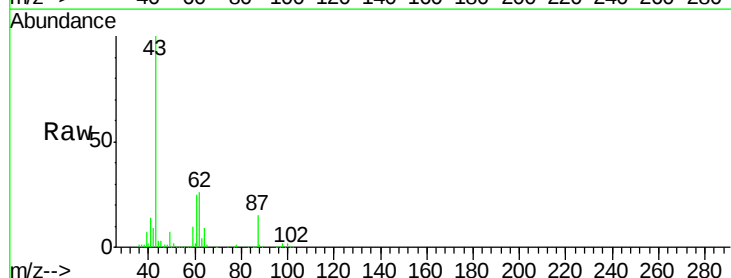
Manual Integrations
APPROVED

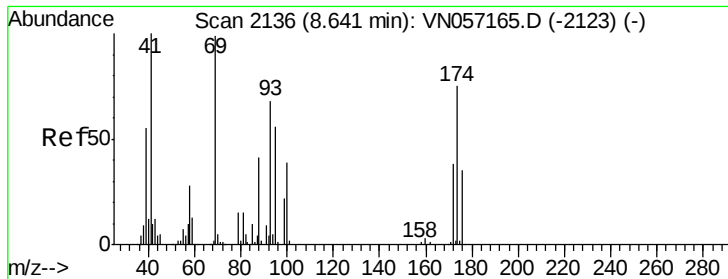
MMDadoda
8/12/2019 3:55:29 PM



#44
Isopropyl Acetate
Concen: 46.264 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	43	61	Ratio	Lower	Upper
855759	100	29.5		22.2	33.4





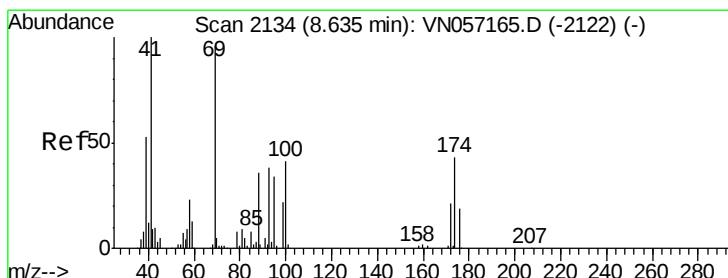
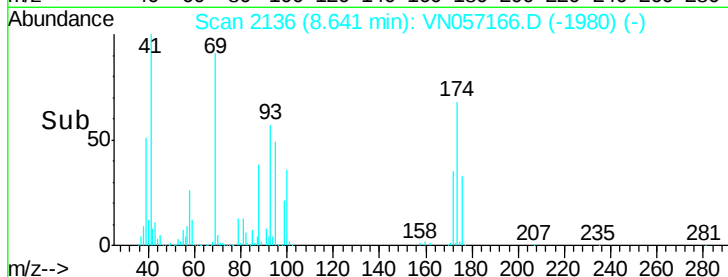
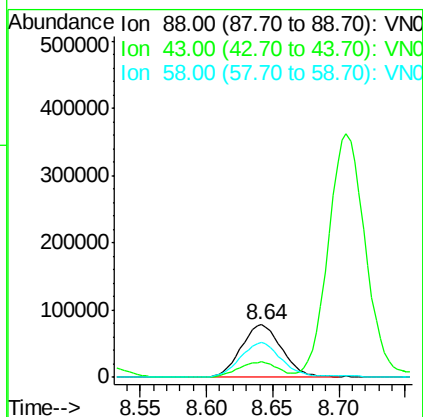
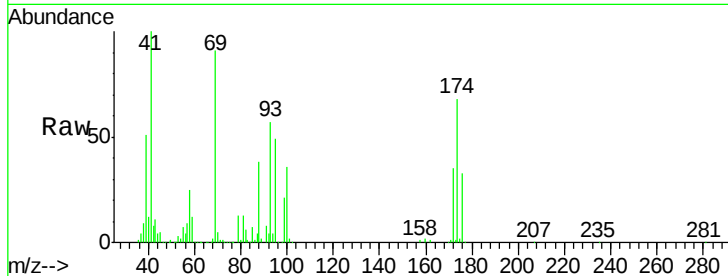
#45
1,4-Dioxane
Concen: 973.435 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.5	30.7
58	66.3	53.8	80.8

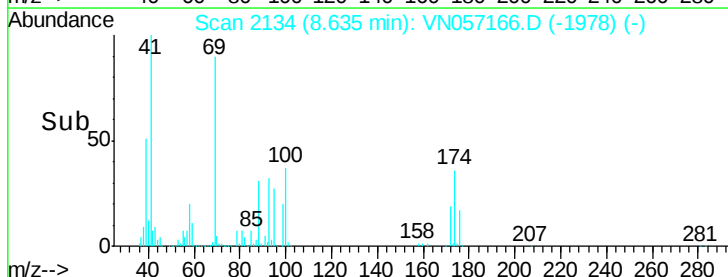
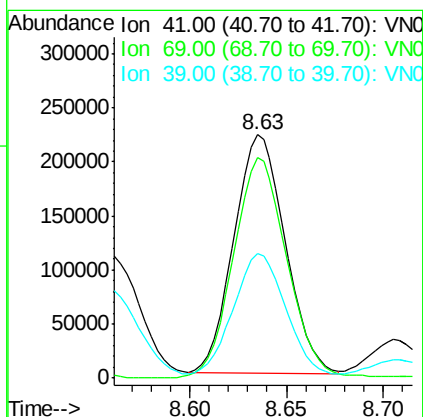
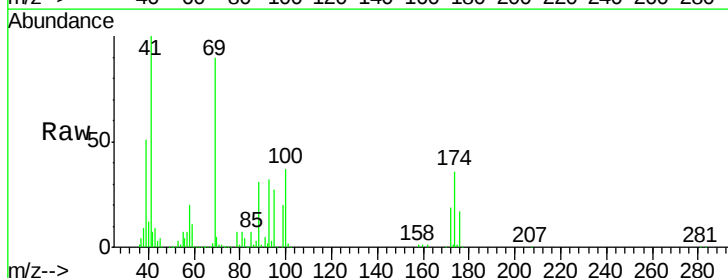
Manual Integrations
APPROVED

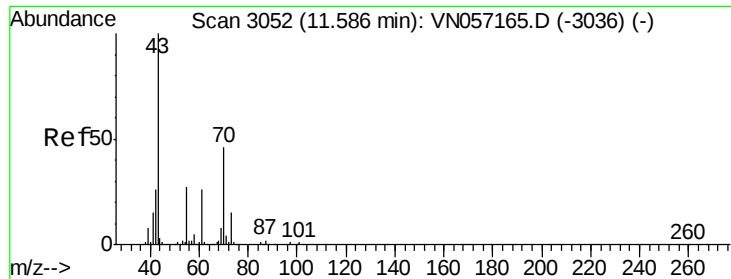
MMDadoda
8/12/2019 3:55:29 PM



#46
Methyl methacrylate
Concen: 48.227 ug/l
RT: 8.63 min Scan# 2134
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.5	48.1	144.4
39	50.6	26.5	79.5





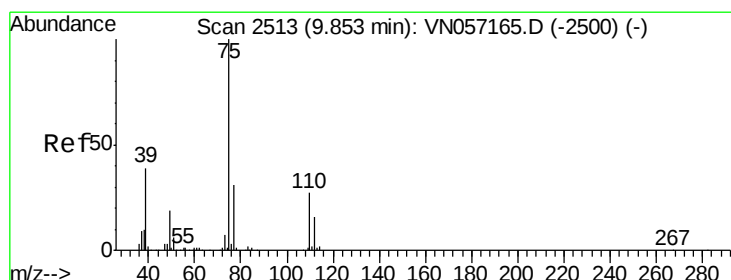
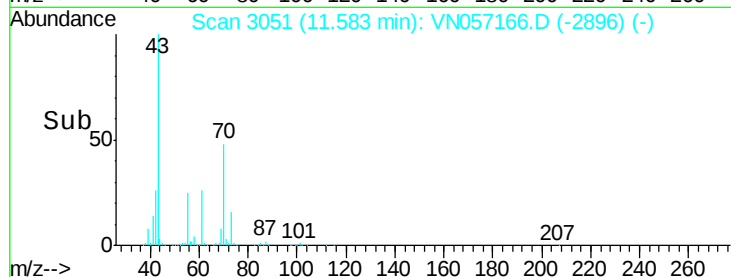
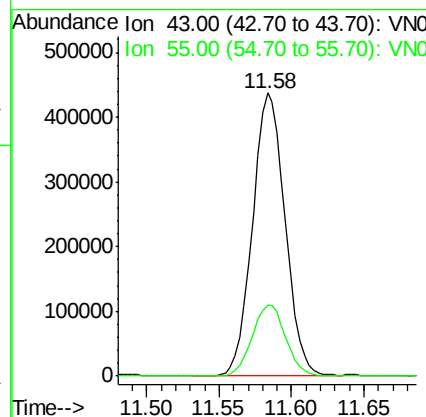
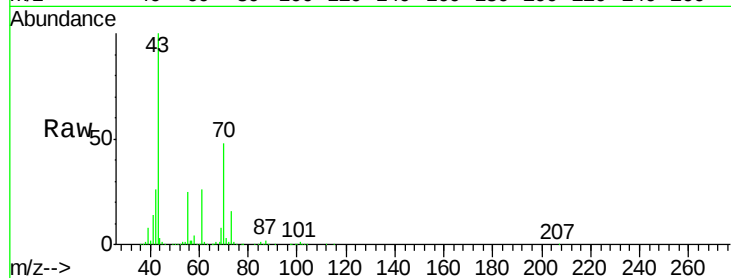
#47
n-amvl Acetate
Concen: 50.231 ug/l
RT: 11.58 min Scan# 3051
Delta R.T. -0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 683569
Ion Ratio Lower Upper
43 100
55 25.9 20.7 31.1

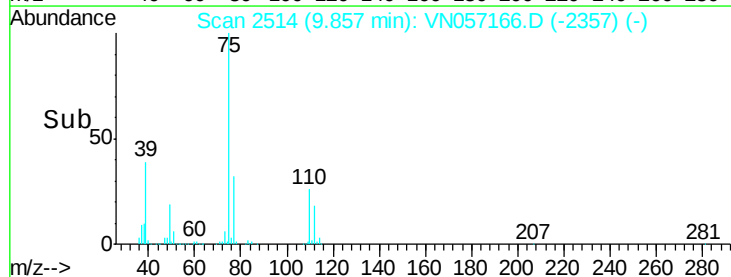
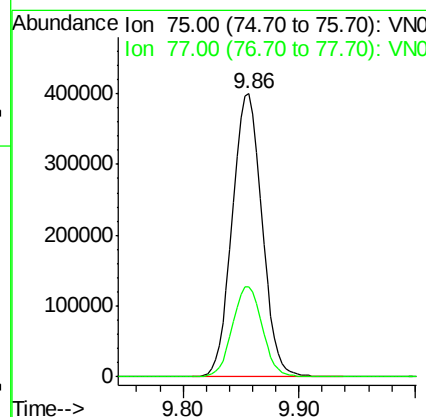
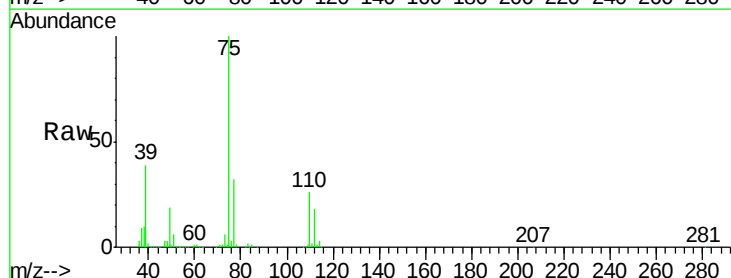
Manual Integrations
APPROVED

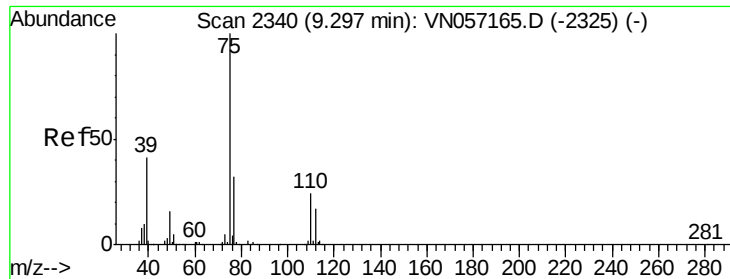
MMDadoda
8/12/2019 3:55:29 PM



#48
t-1,3-Dichloropropene
Concen: 47.129 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion: 75 Resp: 710175
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3





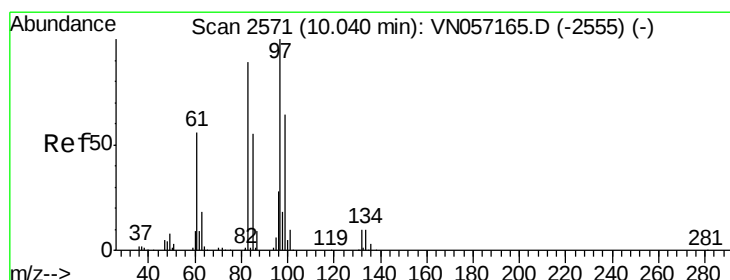
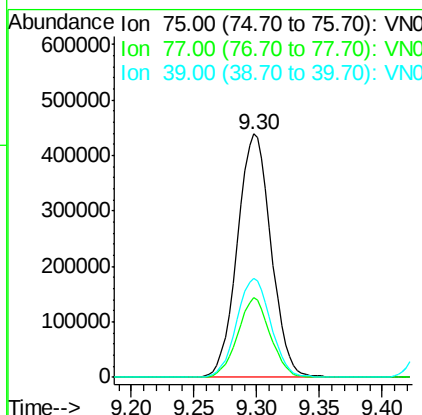
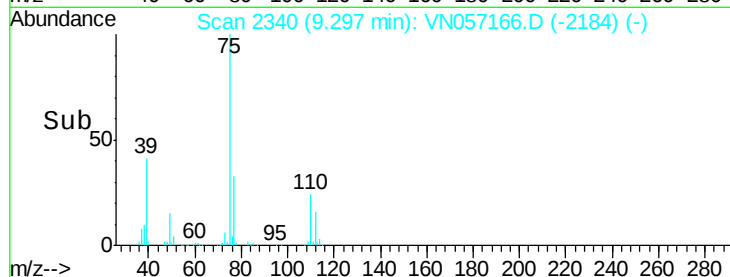
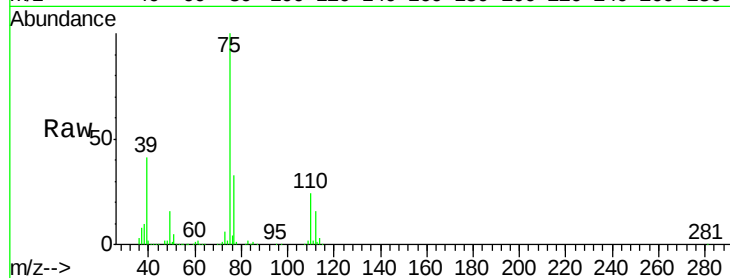
#49
 cis-1,3-Dichloropropene
 Concen: 53.050 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	75	Resp:	821316
Ion Ratio	Lower	Upper	
75	100		
77	32.8	25.8	38.8
39	40.7	33.0	49.6

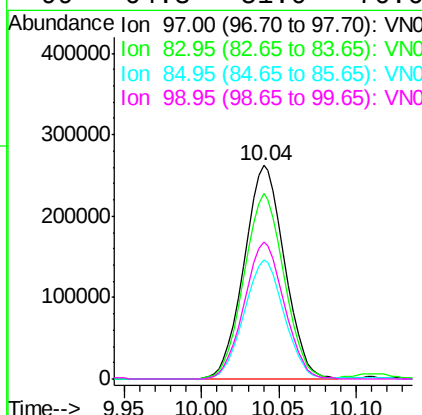
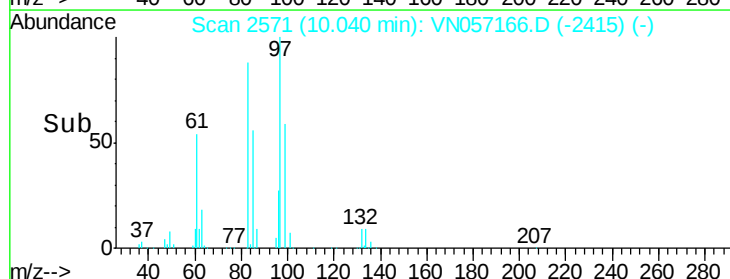
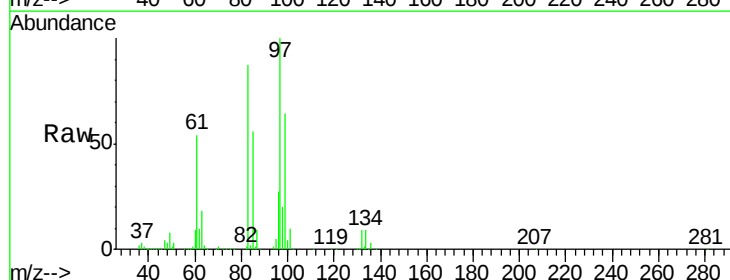
Manual Integrations
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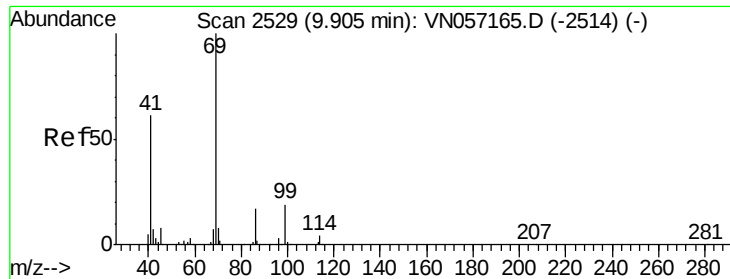
MMDadoda
 8/12/2019 3:55:29 PM



#50
 1,1,2-Trichloroethane
 Concen: 46.963 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion:	97	Resp:	477031
Ion Ratio	Lower	Upper	
97	100		
83	86.6	71.4	107.0
85	55.6	43.8	65.8
99	64.3	51.0	76.6





#51

Ethyl methacrylate

Concen: 48.834 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

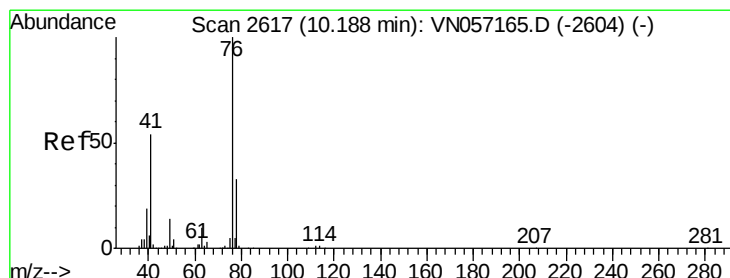
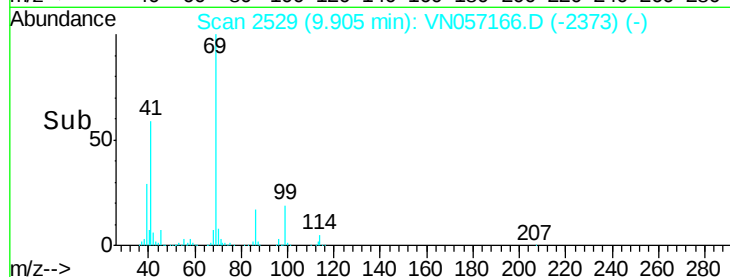
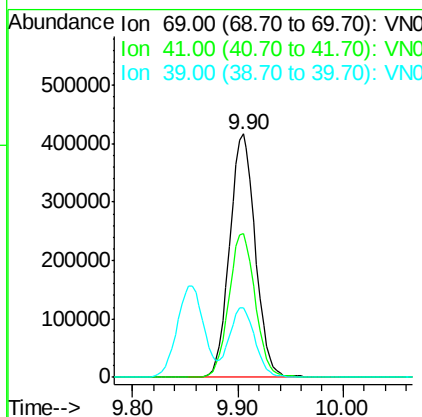
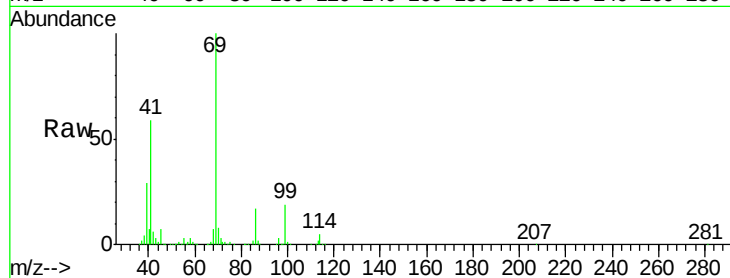
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	700006
Ion Ratio		Lower	Upper
69	100		
41	58.6	30.4	91.2
39	28.7	14.8	44.4

Manual Integrations
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8/12/2019 3:55:29 PM



#52

1,3-Dichloropropane

Concen: 46.812 ug/l

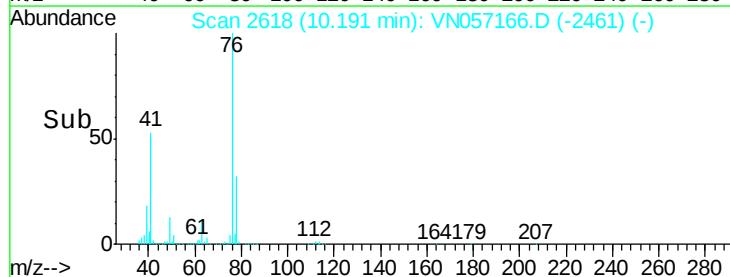
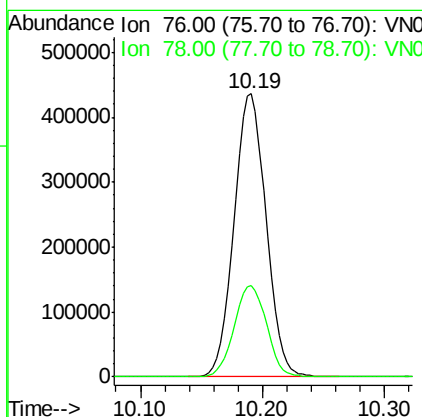
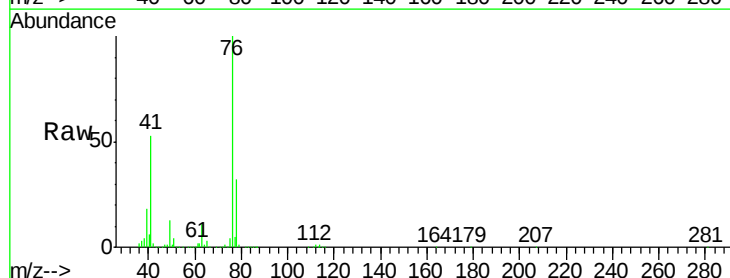
RT: 10.19 min Scan# 2618

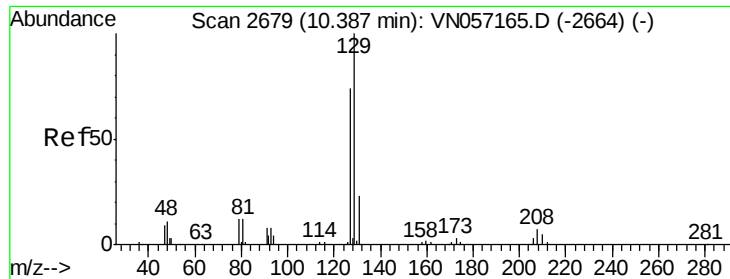
Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Tgt Ion:	76	Resp:	792577
Ion Ratio		Lower	Upper
76	100		
78	32.7	0.0	65.0





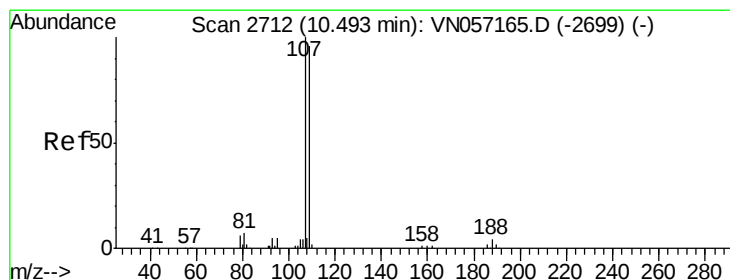
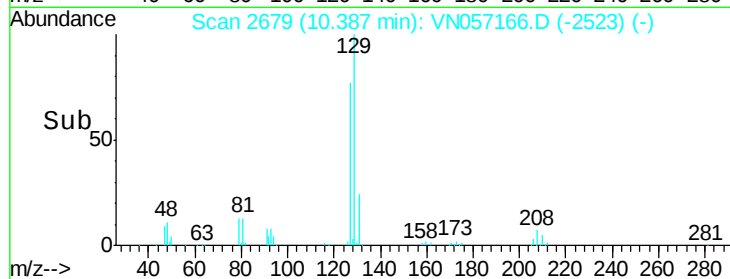
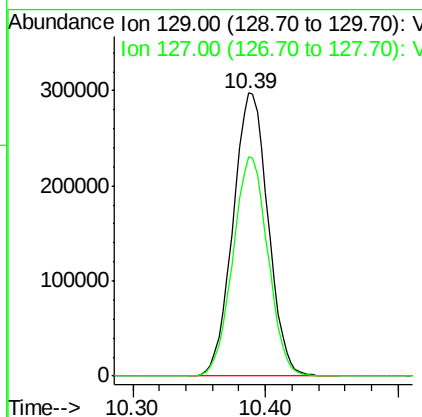
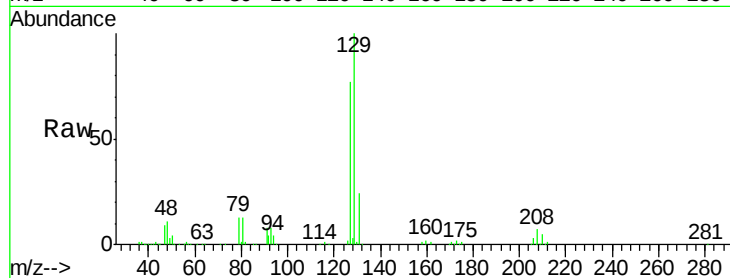
#53
 Dibromochloromethane
 Concen: 47.853 ug/l
 RT: 10.39 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		547710		
127	77.3	38.2	114.6		

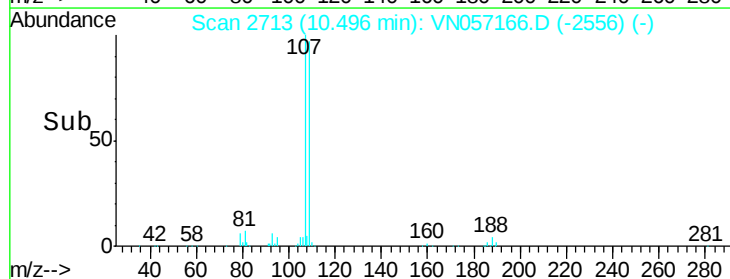
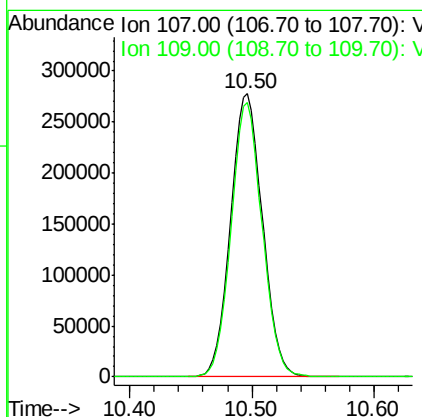
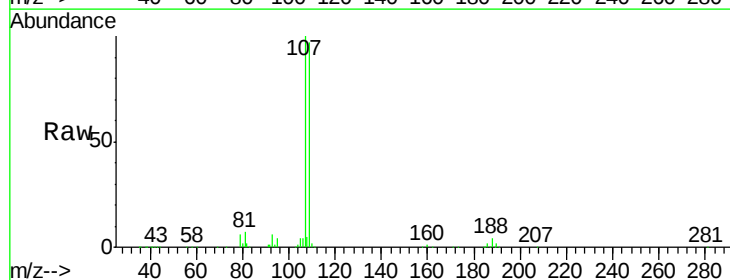
Manual Integrations
 APPROVED

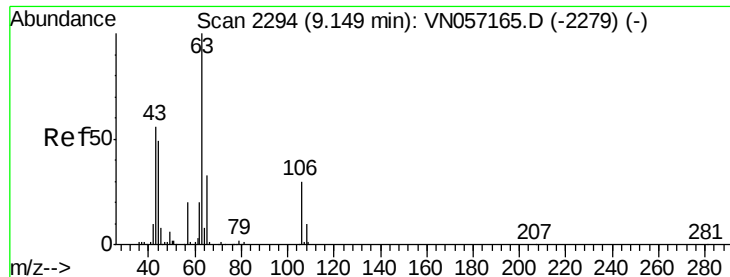
MMDadoda
 8/12/2019 3:55:29 PM



#54
 1,2-Dibromoethane
 Concen: 47.561 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		504296		
109	94.5	76.8	115.2		





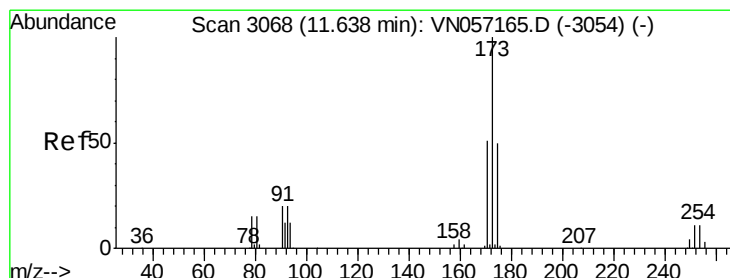
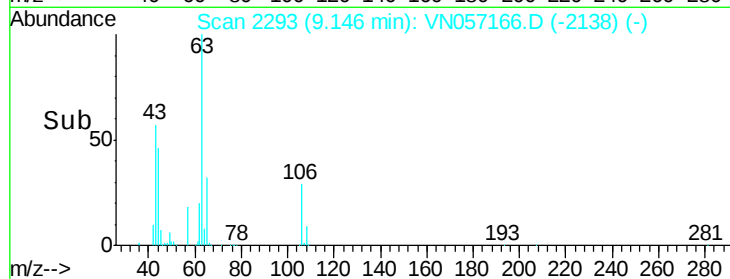
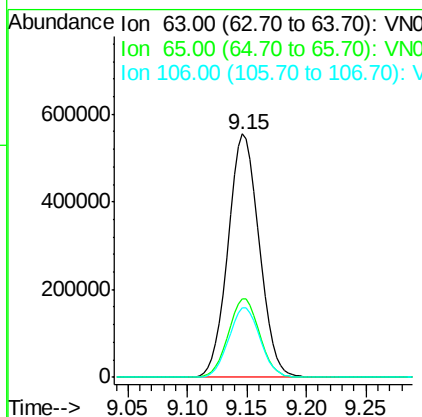
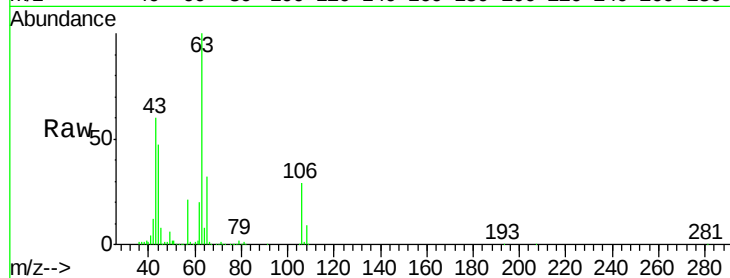
#55
2-Chloroethyl vinyl ether
Concen: 249.605 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 63 Resp: 1010248
Ion Ratio Lower Upper
63 100
65 32.5 26.0 39.0
106 28.9 23.3 34.9

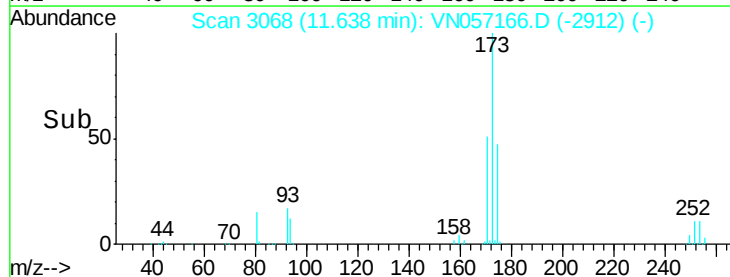
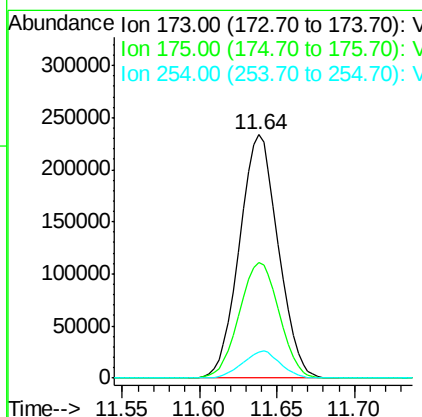
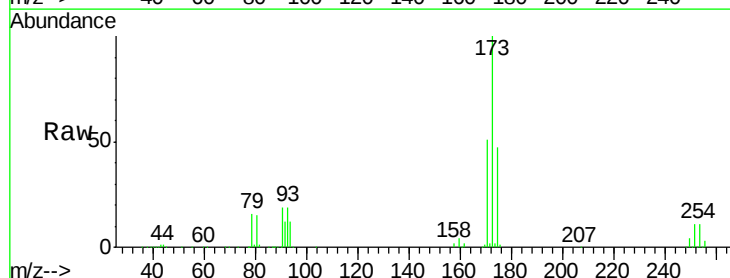
Manual Integrations
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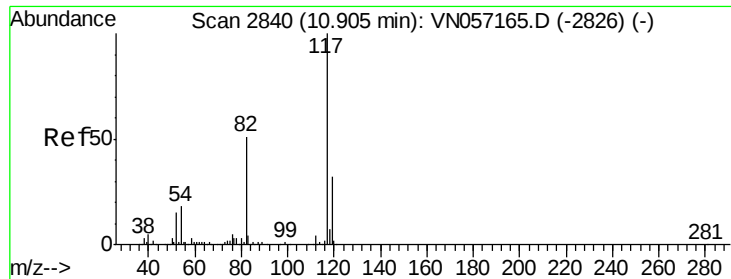
MMDadoda
8/12/2019 3:55:29 PM



#56
Bromoform
Concen: 48.257 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion: 173 Resp: 408151
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.4
254 10.7 8.6 13.0





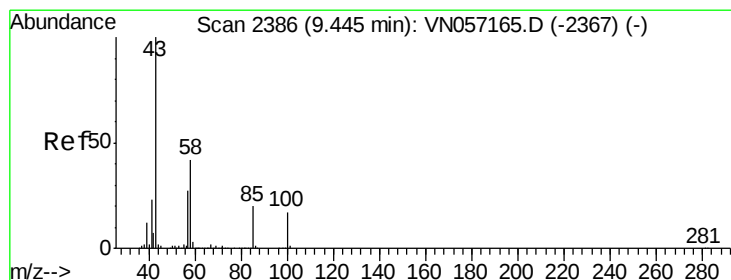
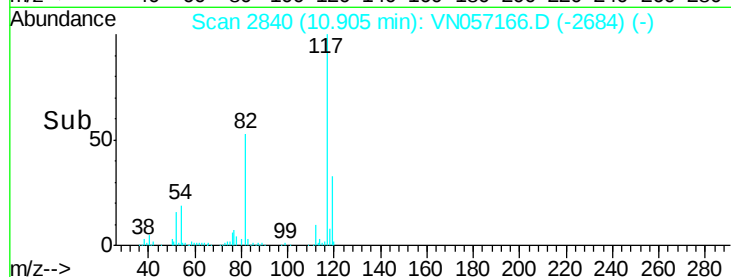
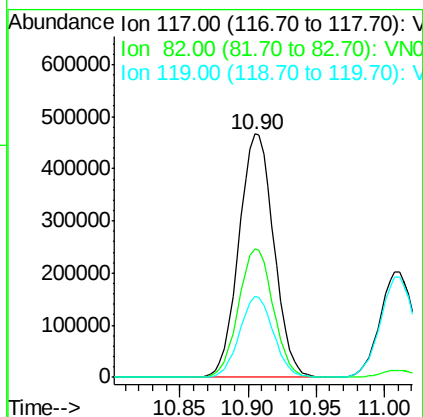
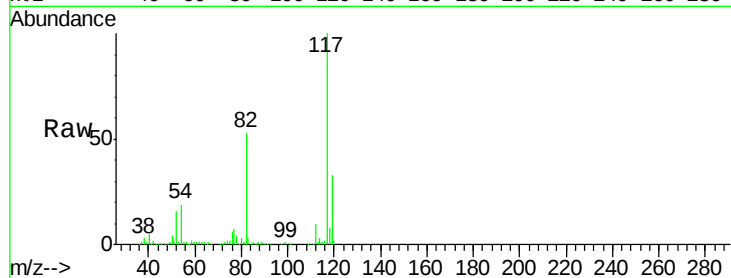
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.5	62.3
119	32.1	26.1	39.1

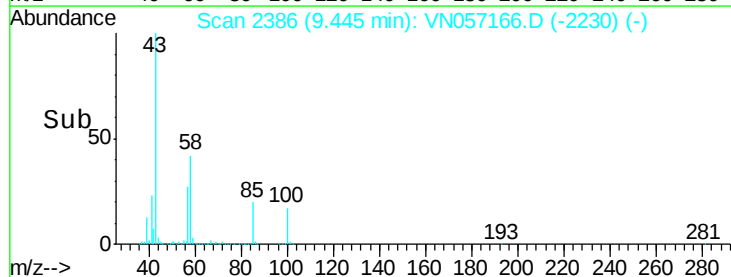
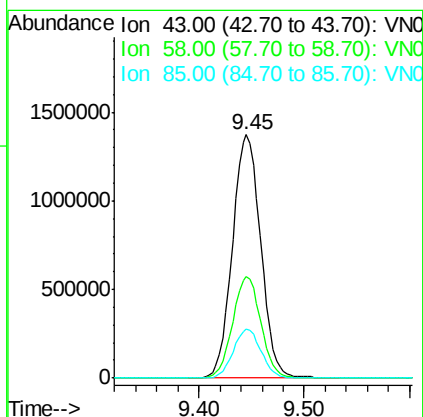
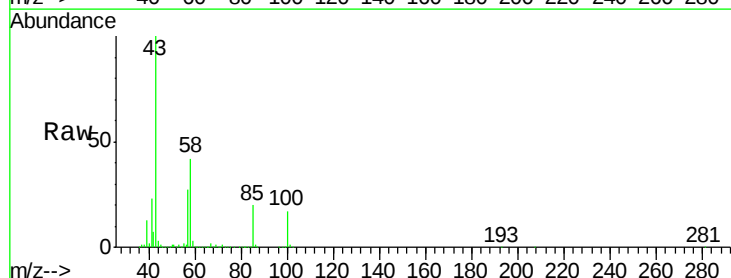
Manual Integrations
APPROVED

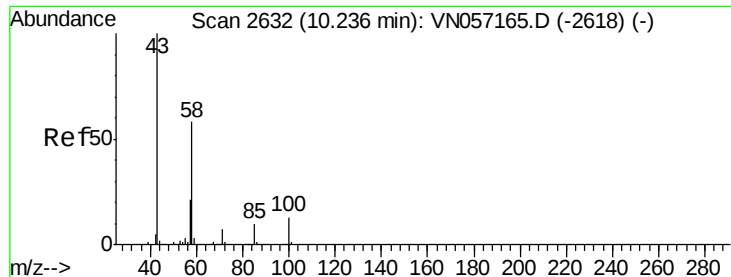
MMDadoda
8/12/2019 3:55:29 PM



#58
4-Methyl-2-Pentanone
Concen: 238.612 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	32.8	49.2
85	19.9	16.4	24.6





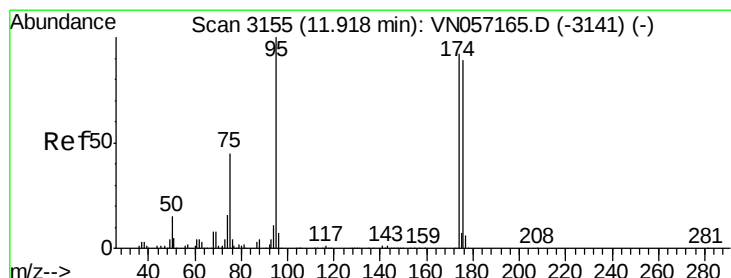
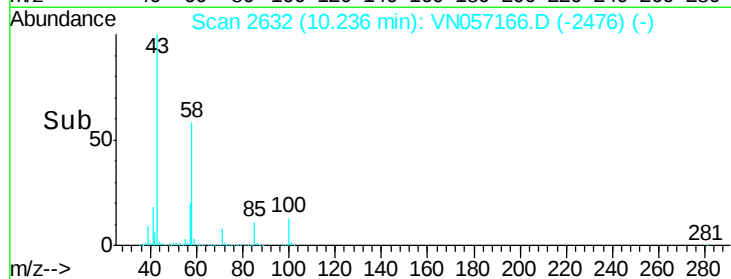
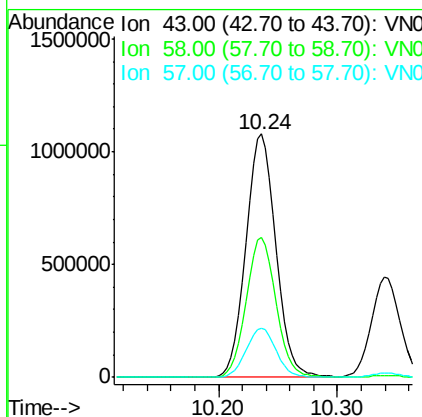
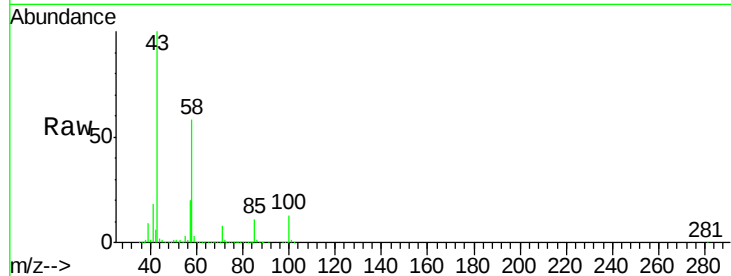
#59
2-Hexanone
Concen: 245.191 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.4	68.2
57	20.4	16.1	24.1

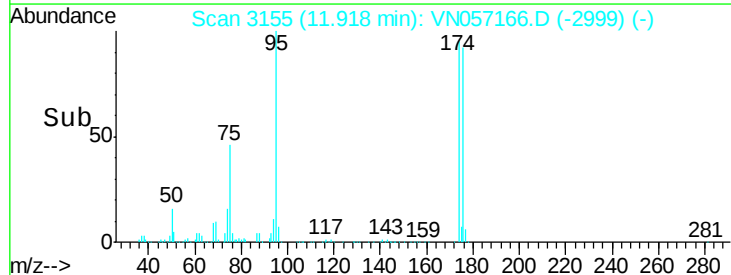
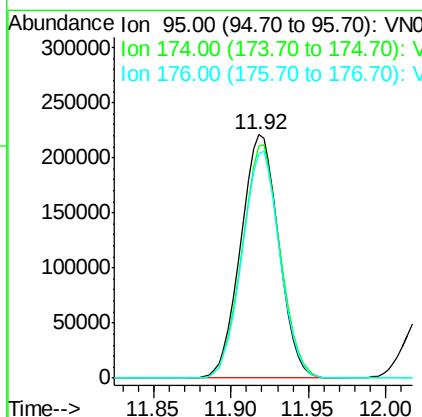
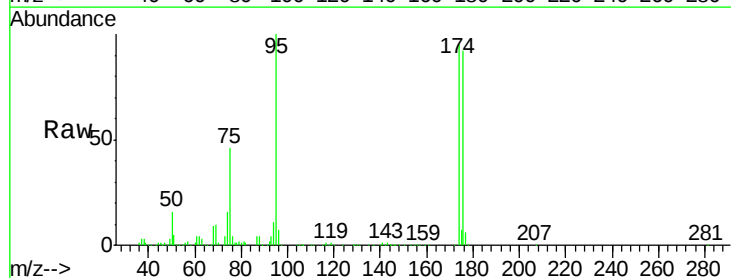
Manual Integrations
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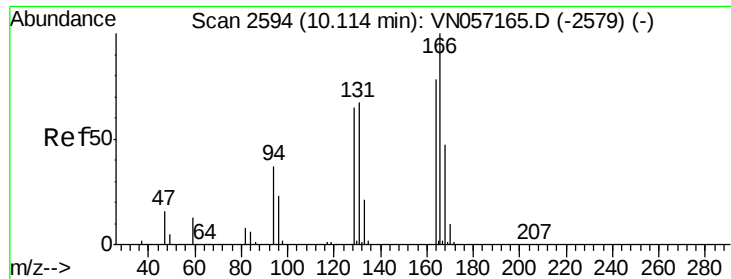
MMDadoda
8/12/2019 3:55:29 PM



#60
4-Bromofluorobenzene
Concen: 30.624 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	74.9	112.3
176	92.2	72.1	108.1





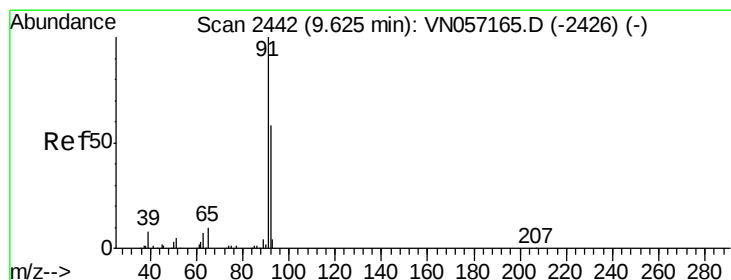
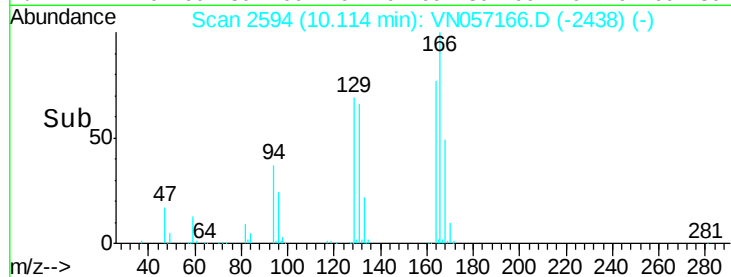
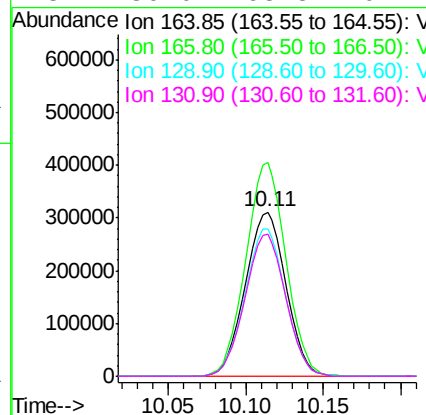
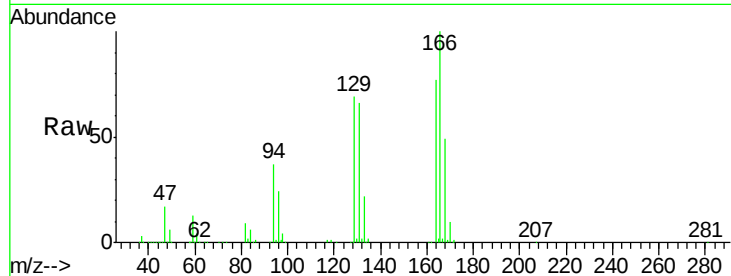
#61
Tetrachloroethene
Concen: 44.681 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.0	154.6
129	89.8	67.3	100.9
131	86.0	68.5	102.7

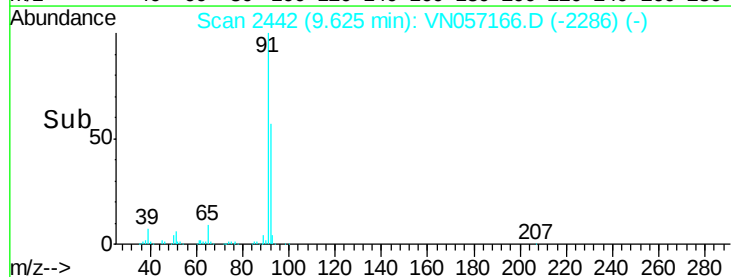
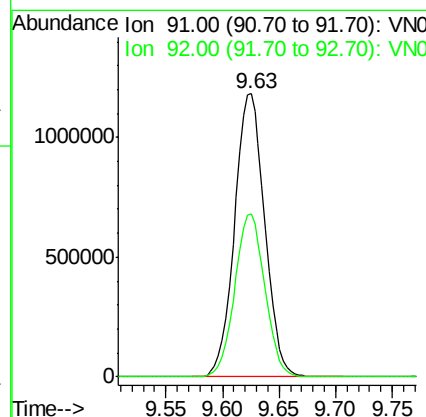
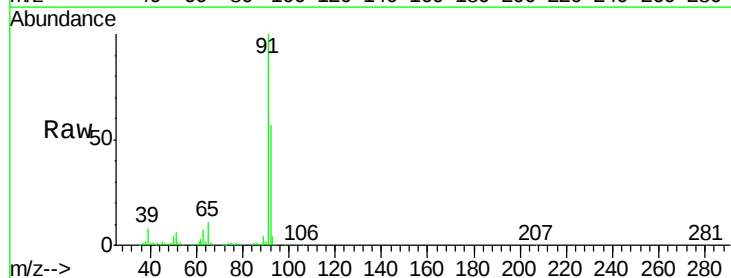
Manual Integrations
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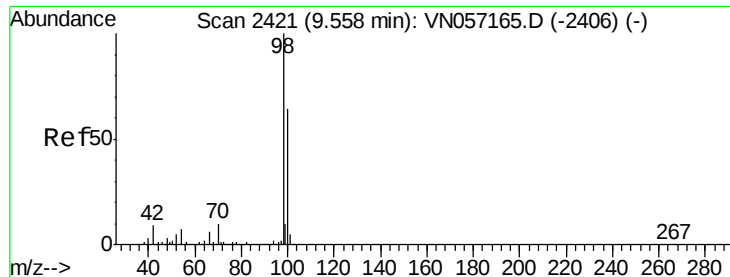
MMDadoda
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#62
Toluene
Concen: 46.411 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.1	69.1





#63

Toluene-d8

Concen: 29.767 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 1139479

Ion Ratio Lower Upper

98 100

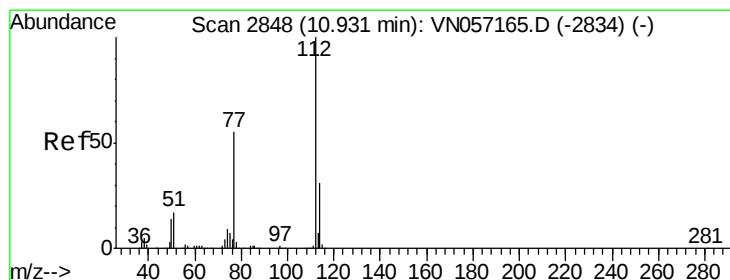
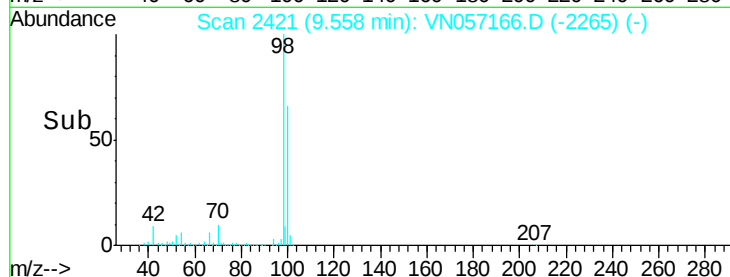
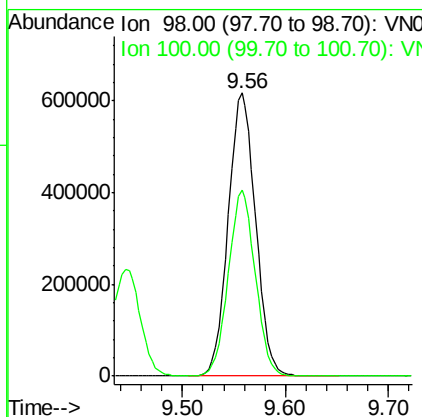
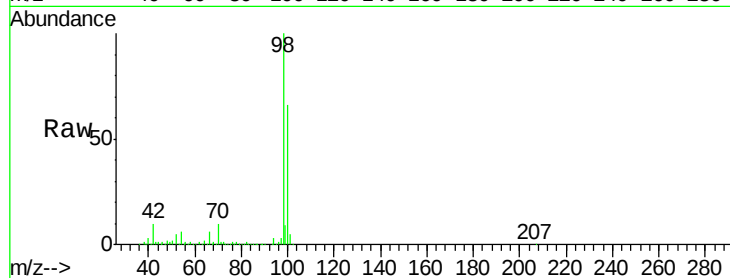
100 64.8 52.4 78.6

Manual Integrations

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#64

Chlorobenzene

Concen: 47.280 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VN057166.D

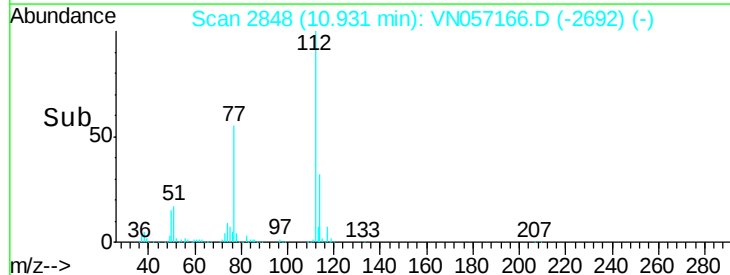
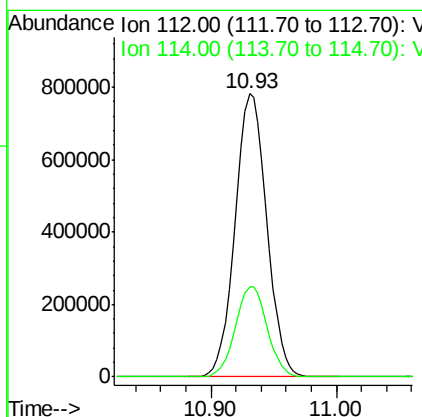
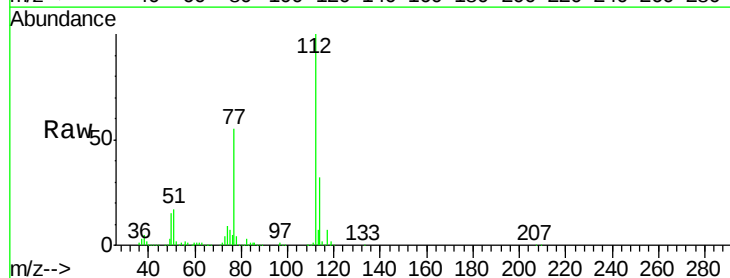
Acq: 10 Aug 2019 10:38

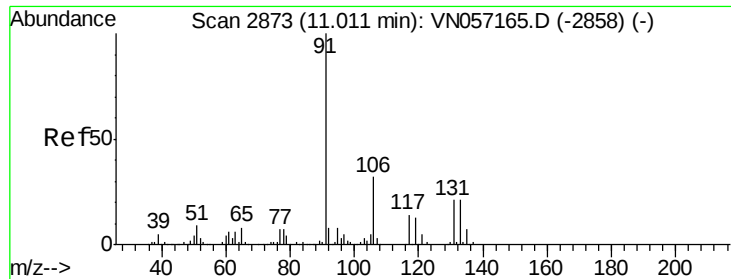
Tgt Ion: 112 Resp: 1372570

Ion Ratio Lower Upper

112 100

114 31.7 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 46.812 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

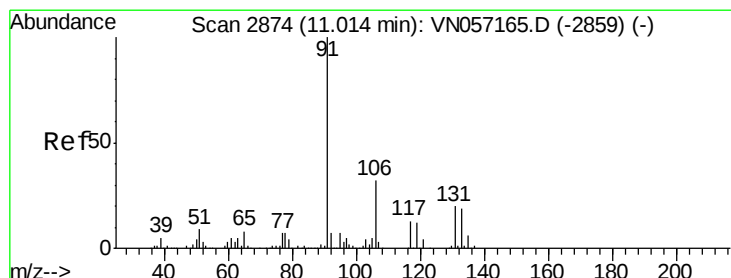
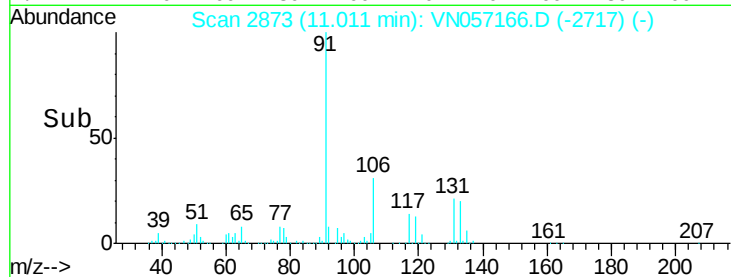
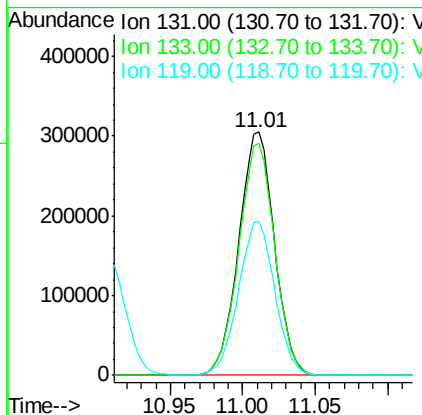
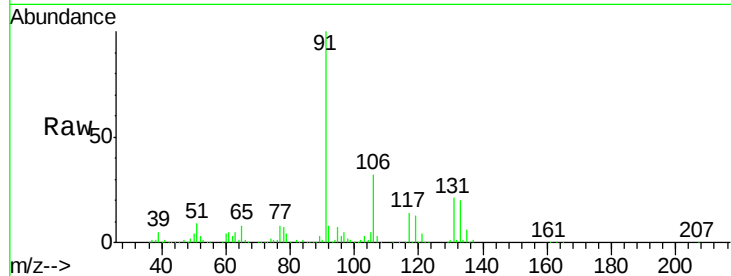
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	521152
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	196.0
119	64.4	0.0	132.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 47.459 ug/l

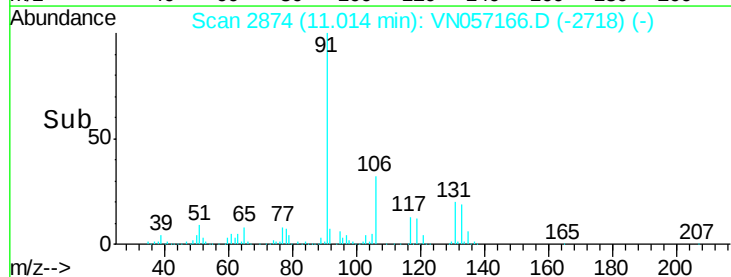
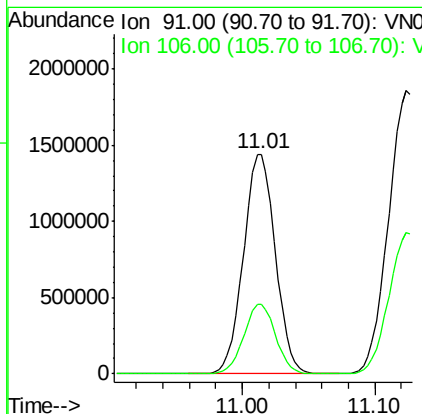
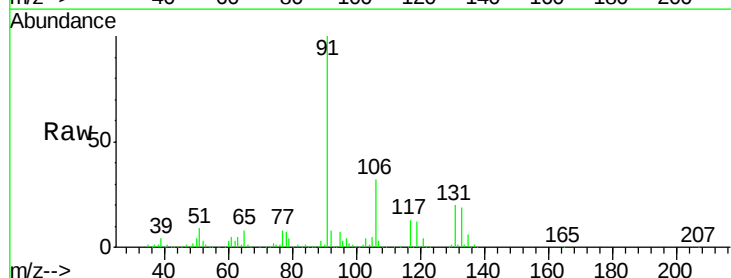
RT: 11.01 min Scan# 2874

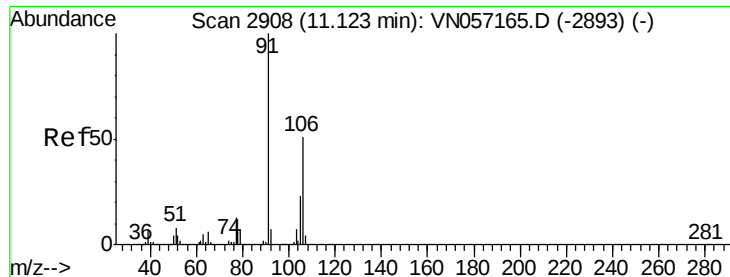
Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Tgt Ion:	91	Resp:	2401270
Ion Ratio	Lower	Upper	
91	100		
106	31.9	25.3	37.9





#67

m/p-Xylenes

Concen: 96.252 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 1836537

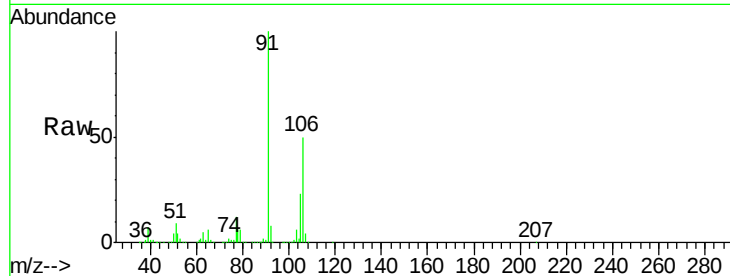
Ion Ratio Lower Upper

106 100

91 201.0 160.5 240.7

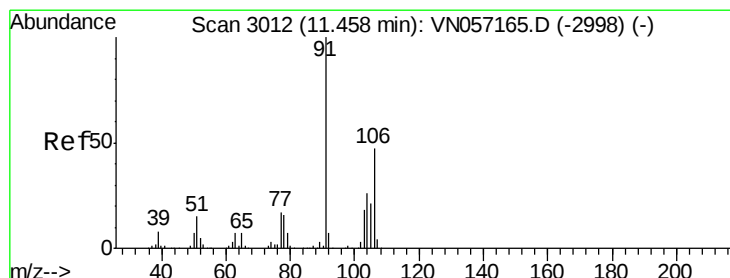
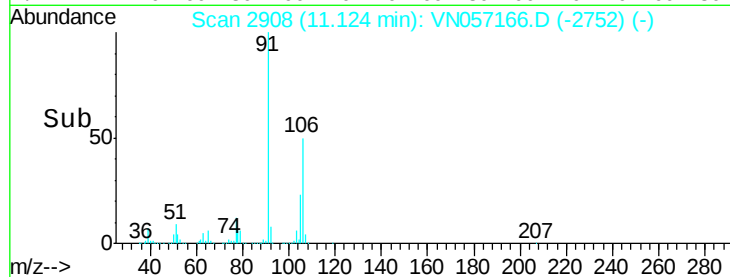
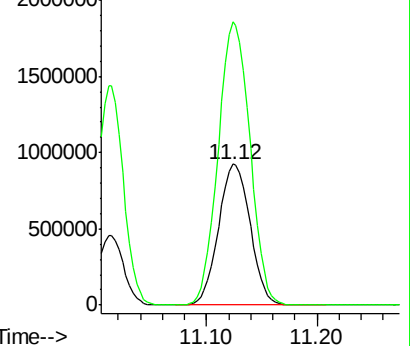
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 47.913 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VN057166.D

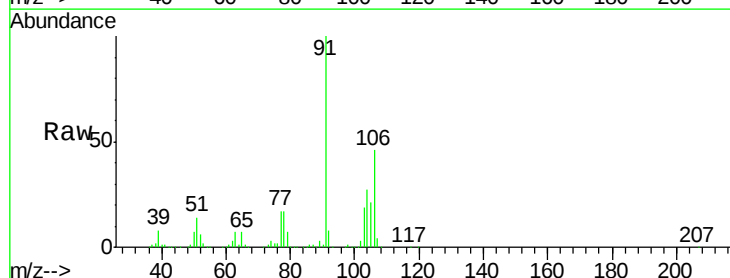
Acq: 10 Aug 2019 10:38

Tgt Ion:106 Resp: 887566

Ion Ratio Lower Upper

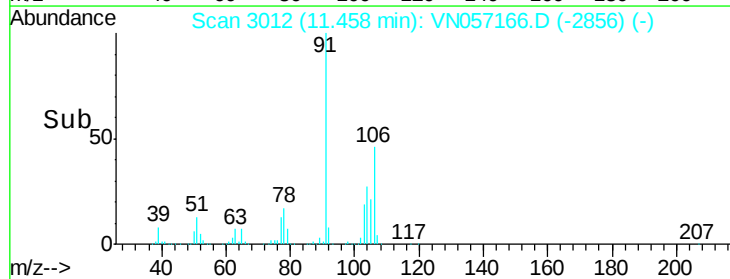
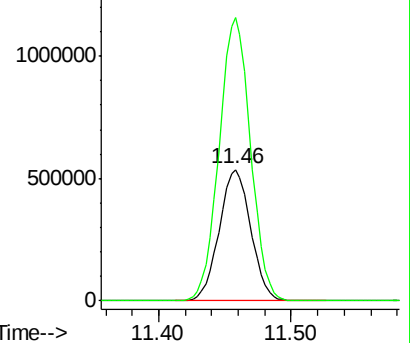
106 100

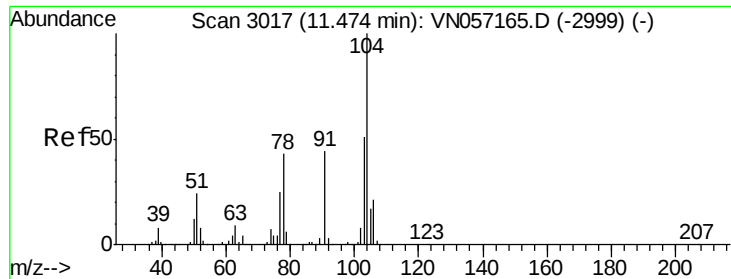
91 213.7 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





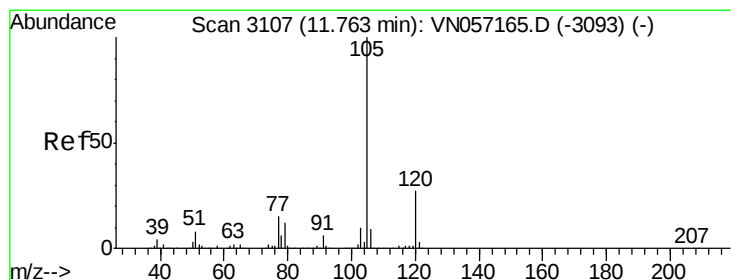
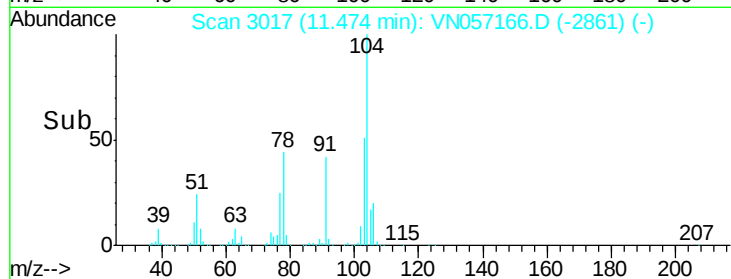
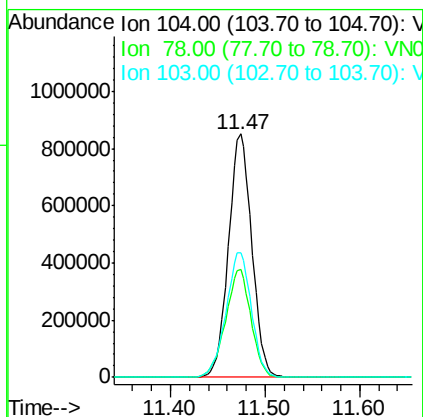
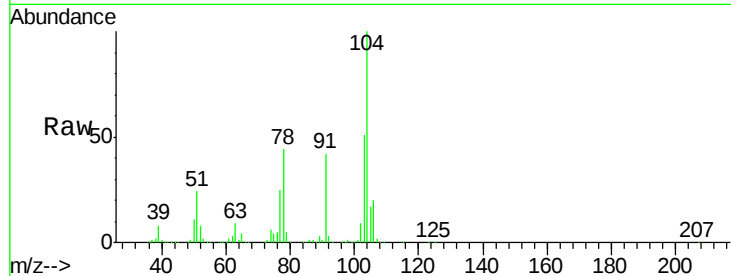
#69
Stvrene
Concen: 49.101 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	38.7	58.1	
103	55.7	44.3	66.5	

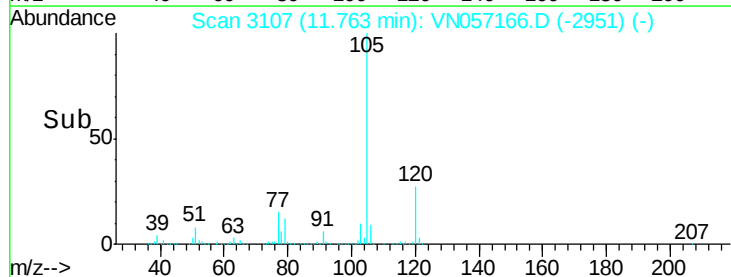
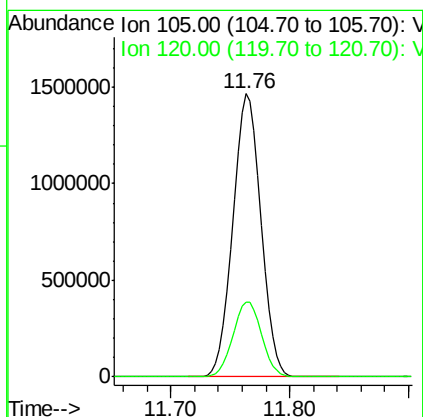
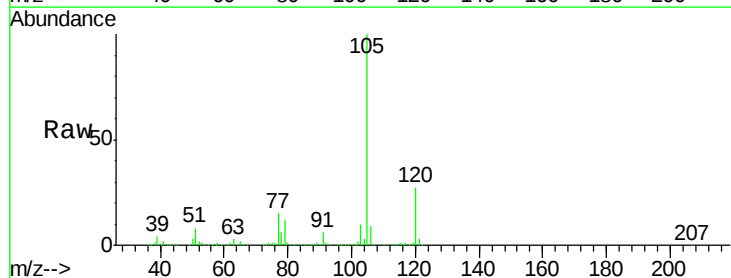
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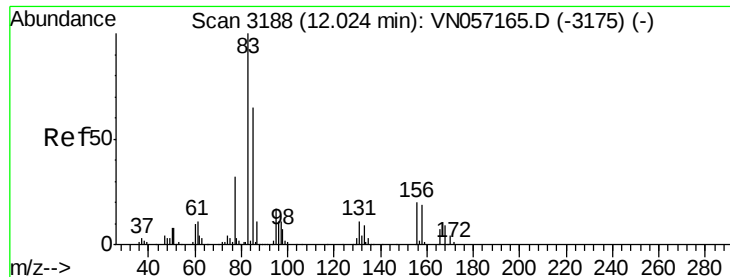
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#70
Isopropylbenzene
Concen: 47.956 ug/l
RT: 11.76 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	27.1	19.1	35.5	





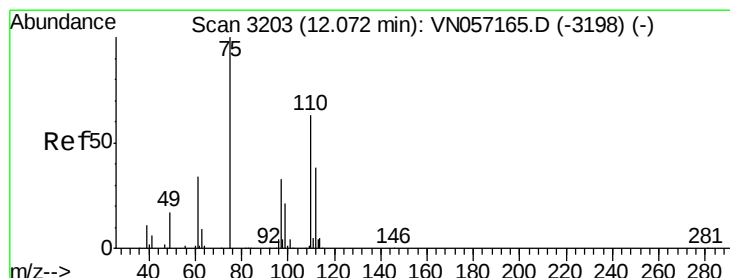
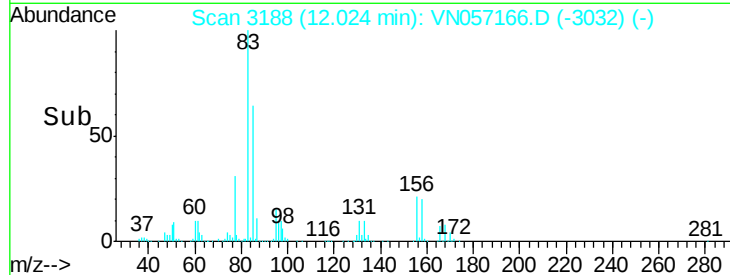
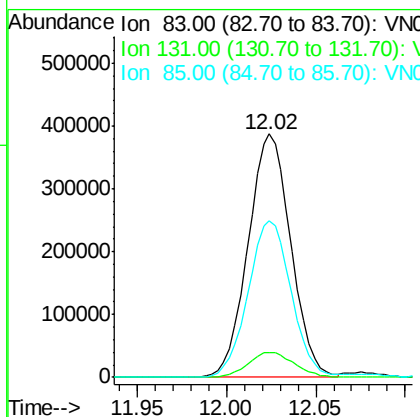
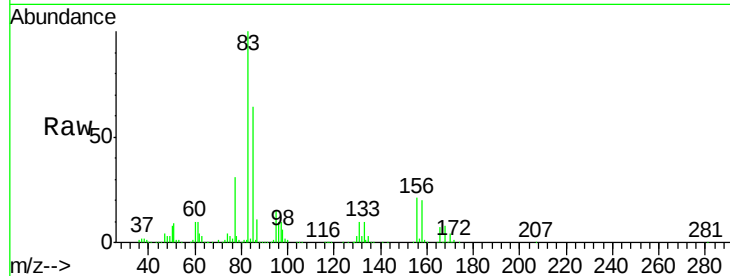
#71
 1,1,2,2-Tetrachloroethane
 Concen: 47.369 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	647043
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	65.0	32.6	98.0

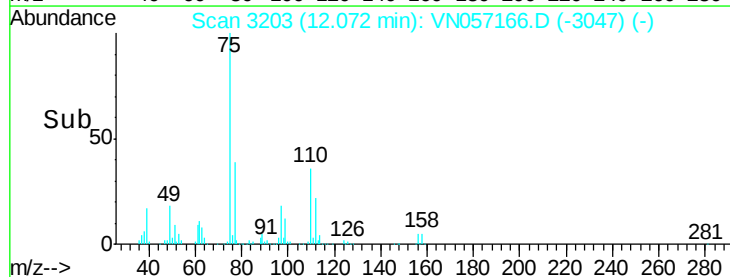
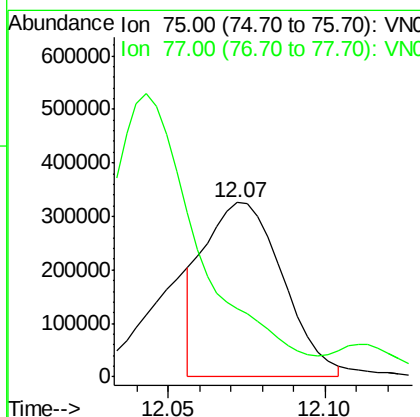
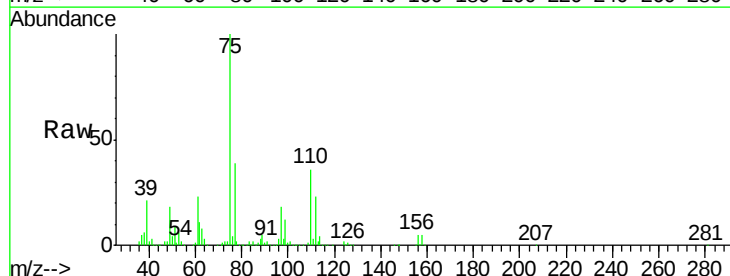
Manual Integrations
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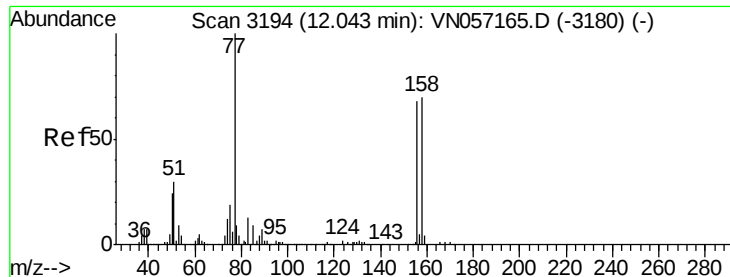
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#72
 1,2,3-Trichloropropane
 Concen: 46.805 ug/l m
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	75	Resp	566878
Ion Ratio	100	Lower	Upper
75	100		
77	193.1	0.0	379.4





#73

Bromobenzene

Concen: 48.867 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

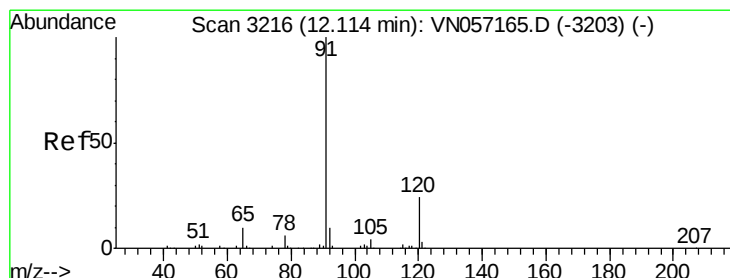
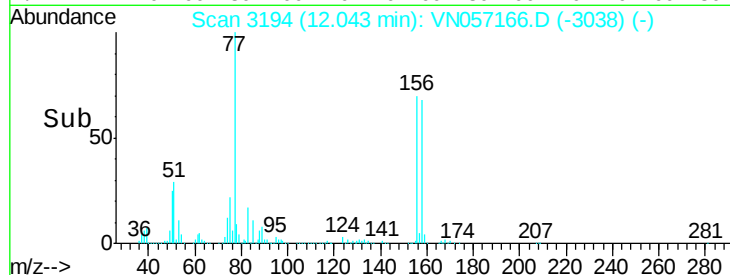
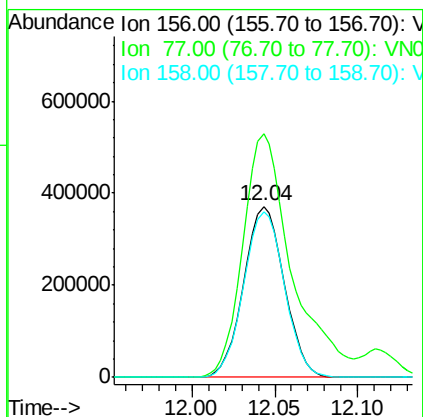
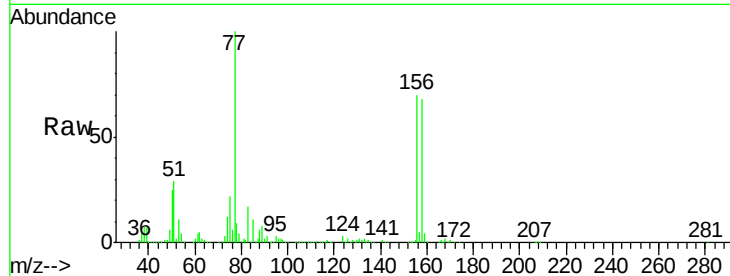
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	631965		
77	173.2	0.0	361.6	
158	97.5	0.0	200.6	

Manual Integrations
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#74

n-propylbenzene

Concen: 49.614 ug/l

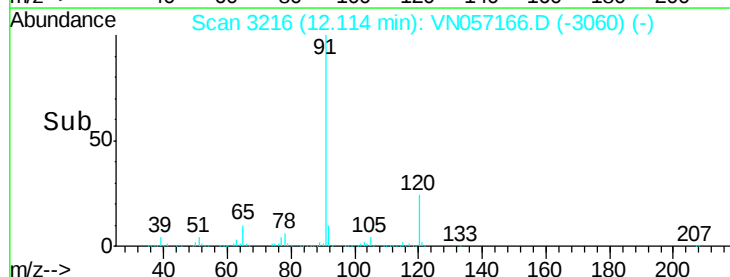
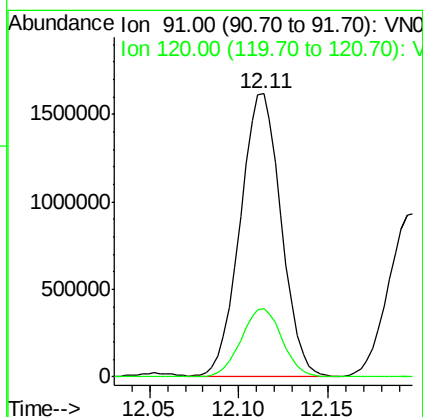
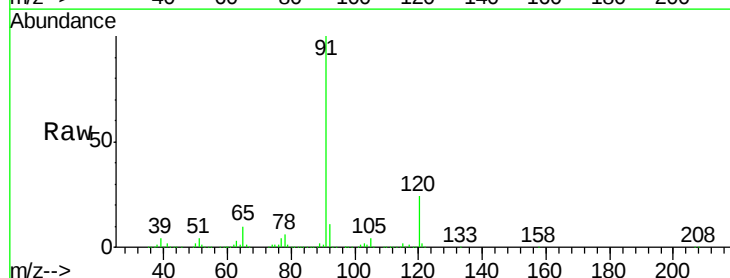
RT: 12.11 min Scan# 3216

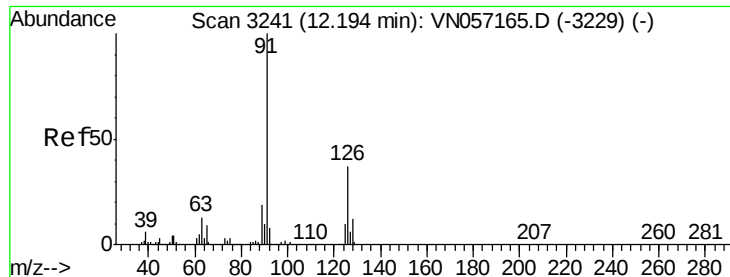
Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2597623		
120	24.0	0.0	48.2	





#75

2-Chlorotoluene

Concen: 48.676 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 1576313

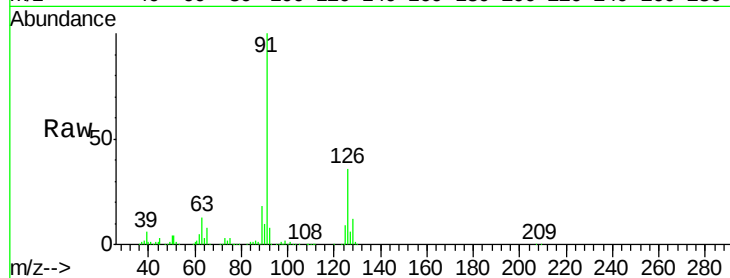
Ion Ratio Lower Upper

91 100

126 35.8 0.0 73.4

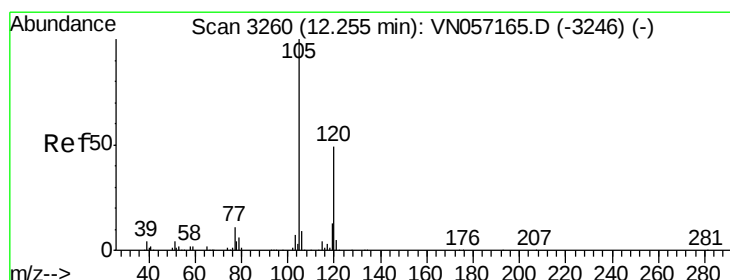
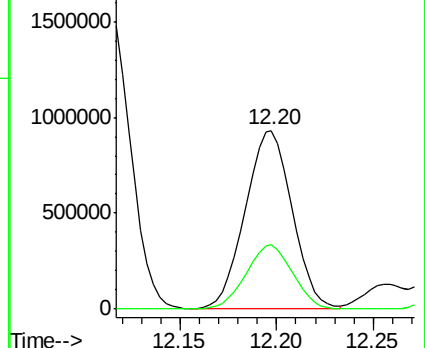
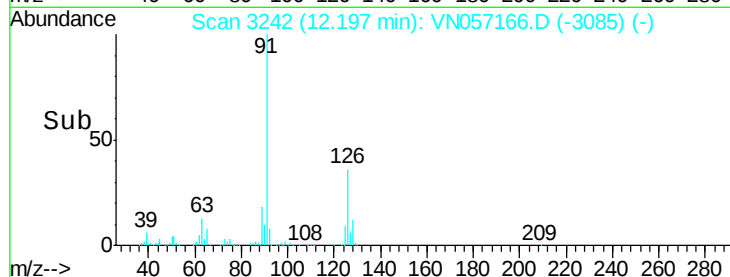
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057166.D (-3085) (-)

Ion 126.00 (125.70 to 126.70): VN057166.D (-3085) (-)



#76

1,3,5-Trimethylbenzene

Concen: 50.060 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057166.D

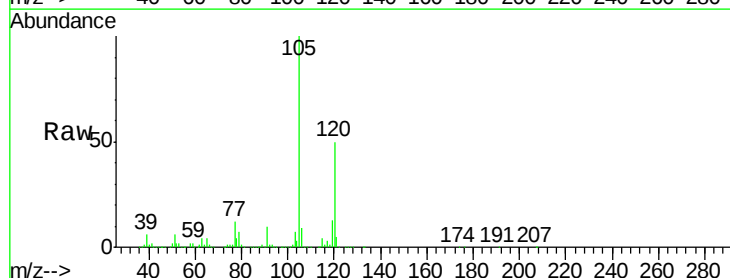
Acq: 10 Aug 2019 10:38

Tgt Ion: 105 Resp: 2018248

Ion Ratio Lower Upper

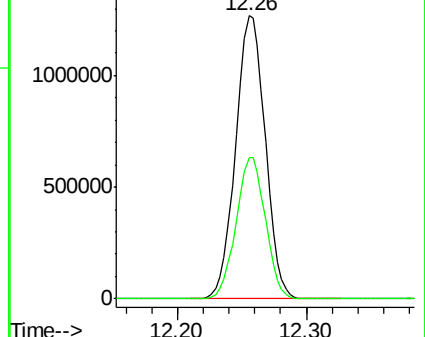
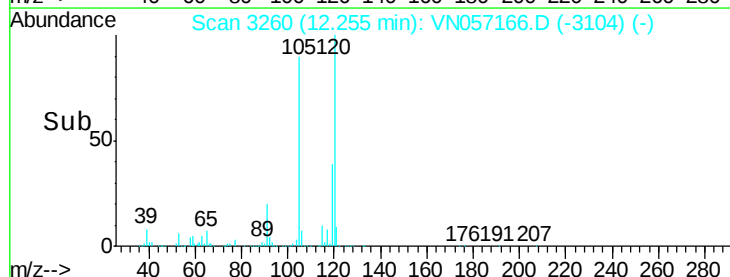
105 100

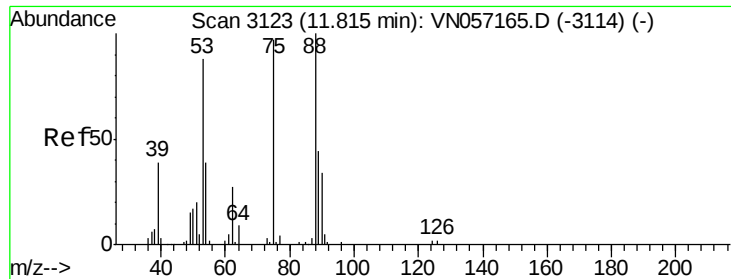
120 49.5 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057166.D (-3104) (-)

Ion 120.00 (119.70 to 120.70): VN057166.D (-3104) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 49.453 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Instrument :

MSVOA_N

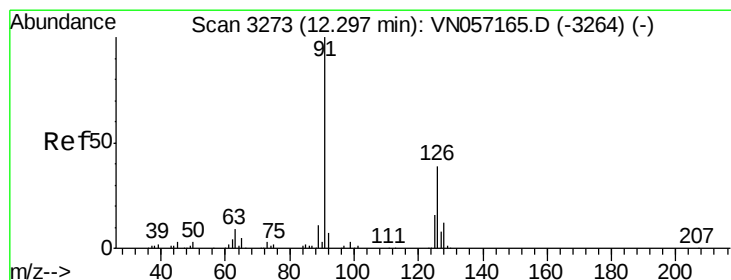
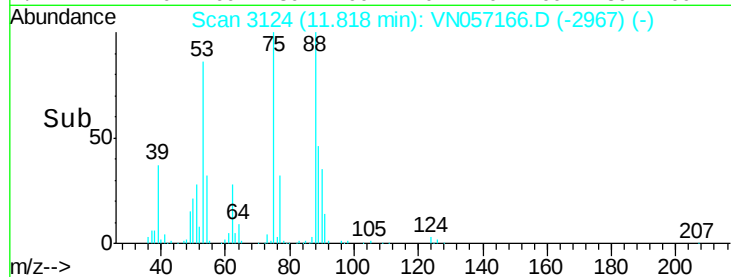
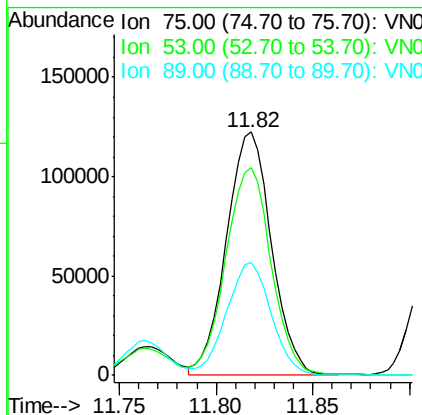
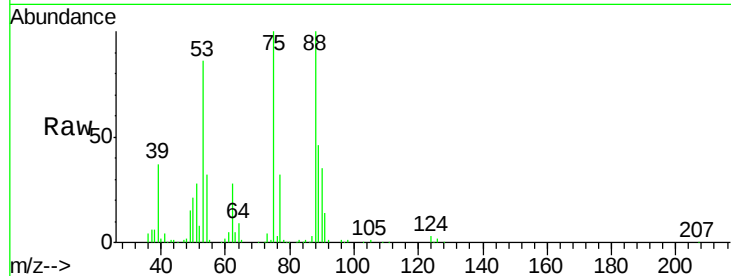
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	198963
Ion Ratio	Lower	Upper	
75	100		
53	85.4	45.4	136.2
89	46.3	23.5	70.6

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#78

4-Chlorotoluene

Concen: 49.121 ug/l

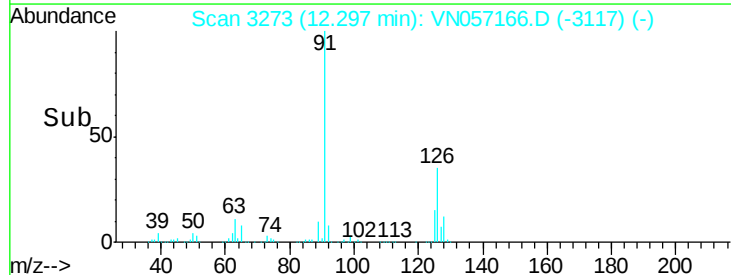
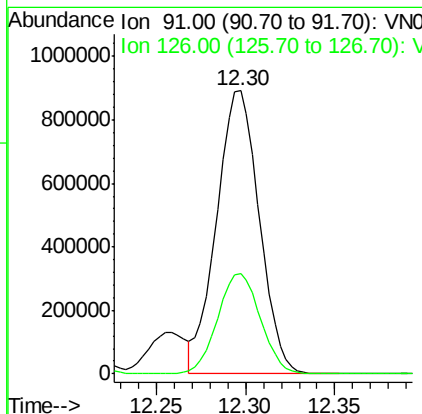
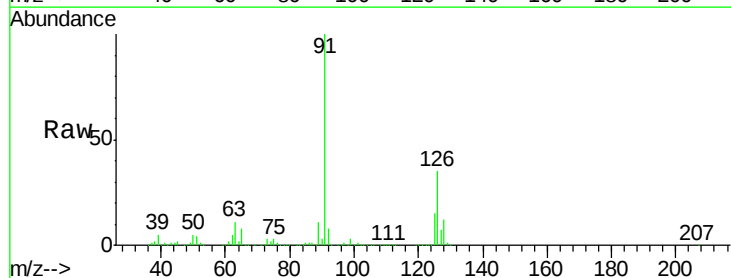
RT: 12.30 min Scan# 3273

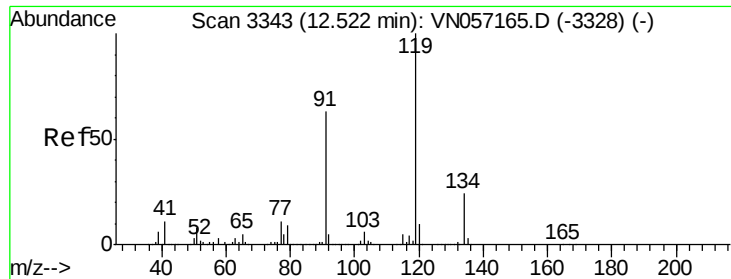
Delta R.T. 0.00 min

Lab File: VN057166.D

Acq: 10 Aug 2019 10:38

Tgt Ion:	91	Resp:	1477385
Ion Ratio	Lower	Upper	
91	100		
126	35.6	0.0	70.2





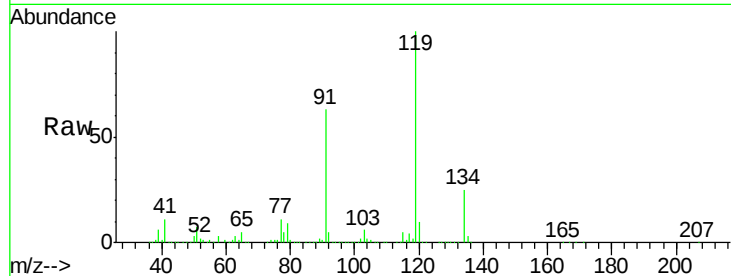
#79
tert-butylbenzene
Concen: 47.406 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

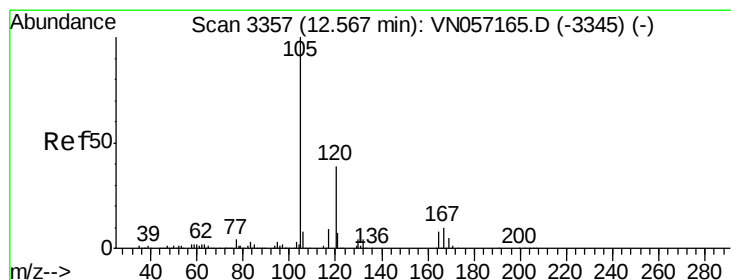
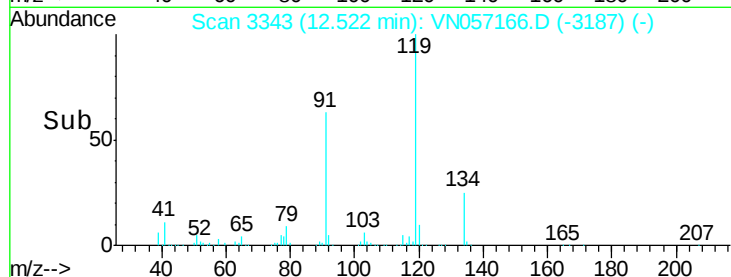
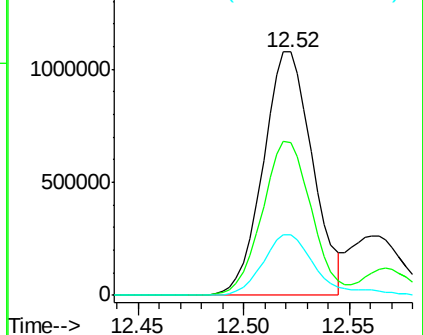
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	0.0	123.8
134	26.9	0.0	48.6

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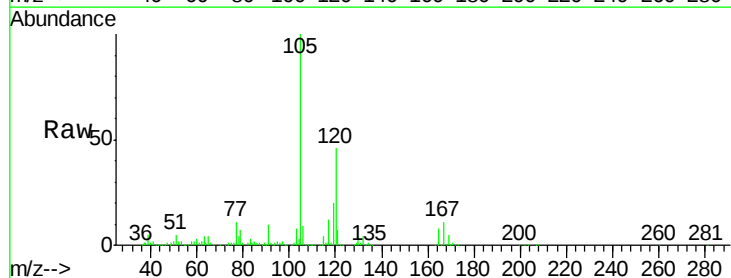


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

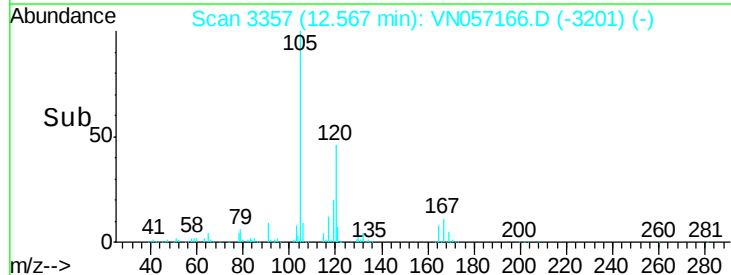
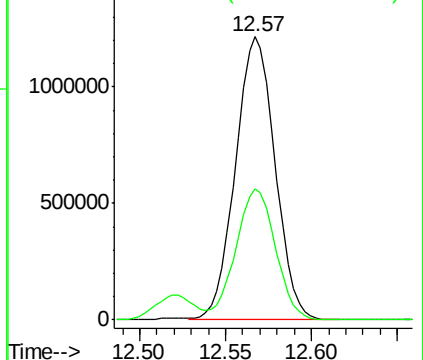


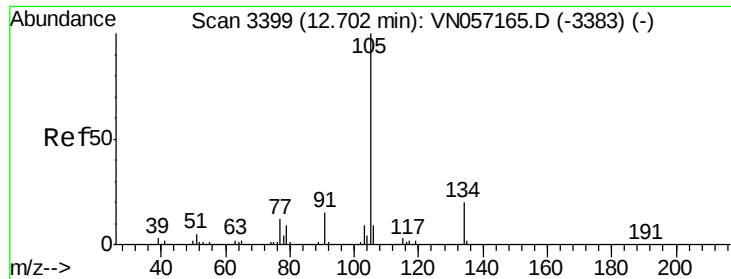
#80
1,2,4-Trimethylbenzene
Concen: 48.898 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	0.0	91.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





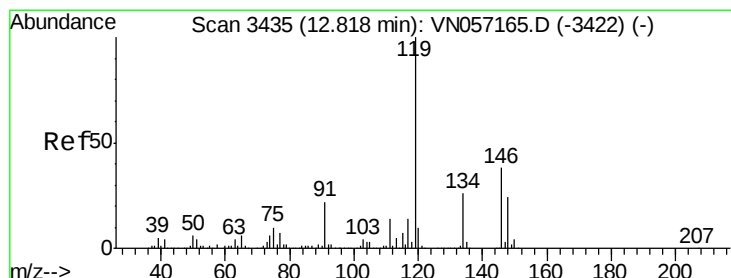
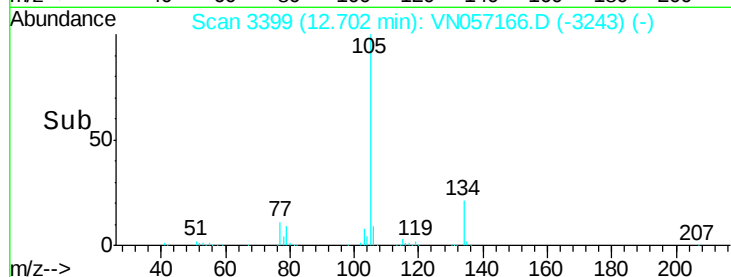
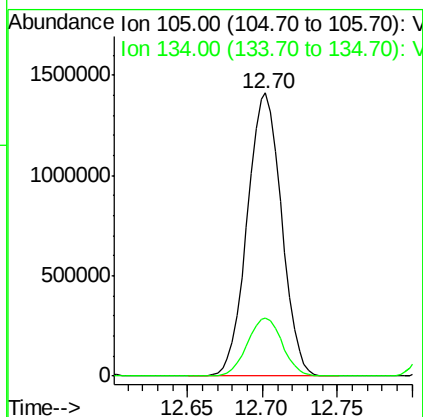
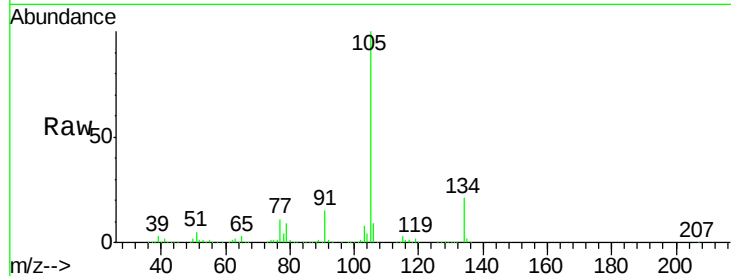
#81
 sec-Butylbenzene
 Concen: 48.254 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:105 Resp: 2251888
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 40.6

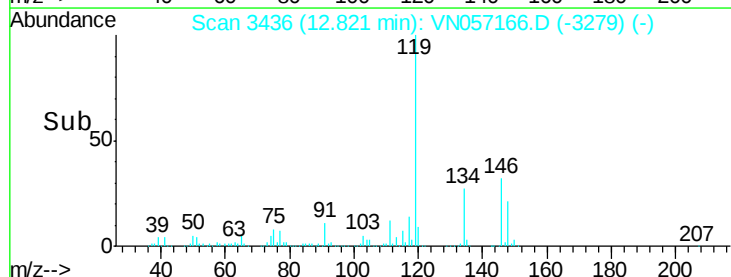
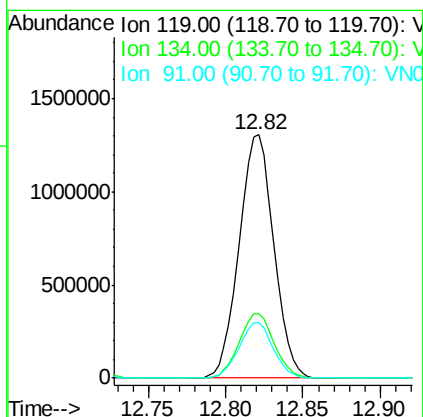
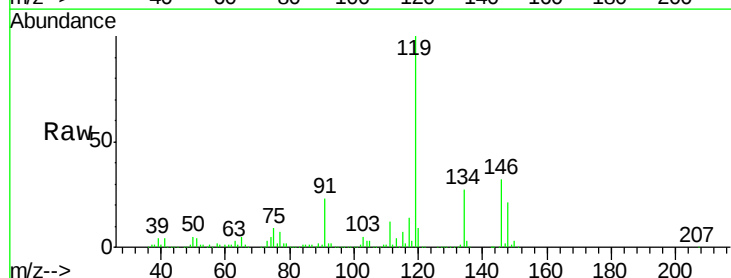
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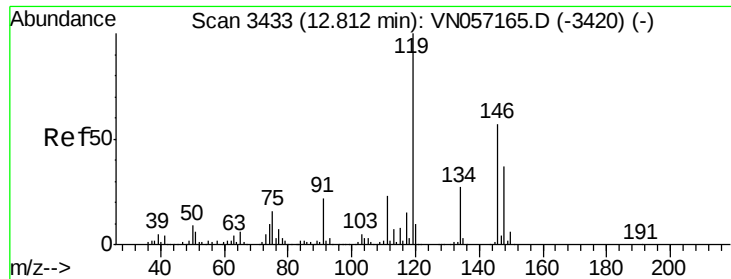
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#82
 p-Isopropyltoluene
 Concen: 49.055 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion:119 Resp: 2038492
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 54.2
 91 22.5 0.0 44.4





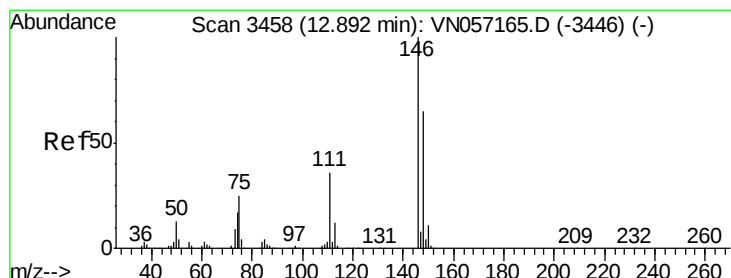
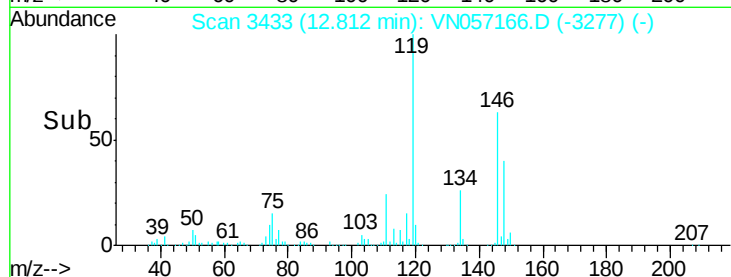
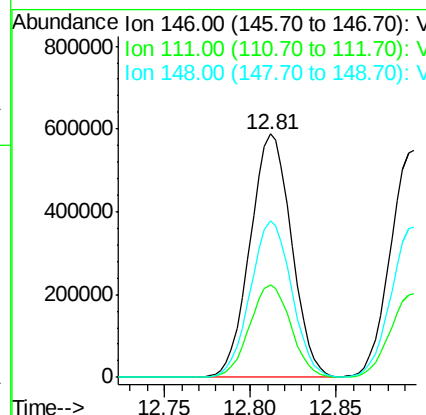
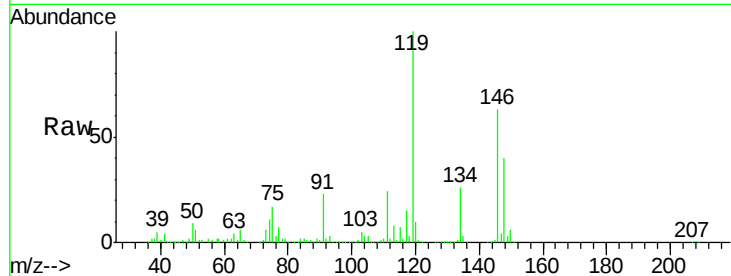
#83
 1,3-Dichlorobenzene
 Concen: 49.858 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.2	32.6	97.8

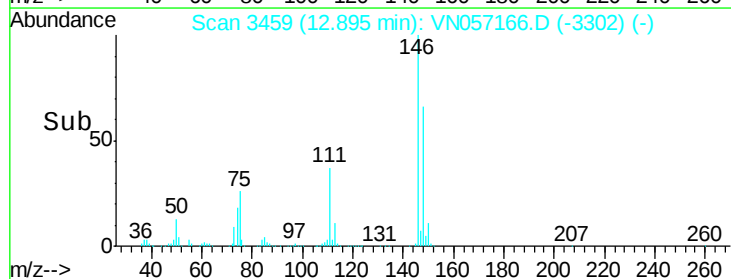
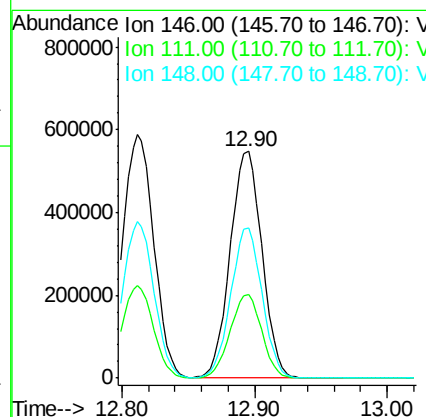
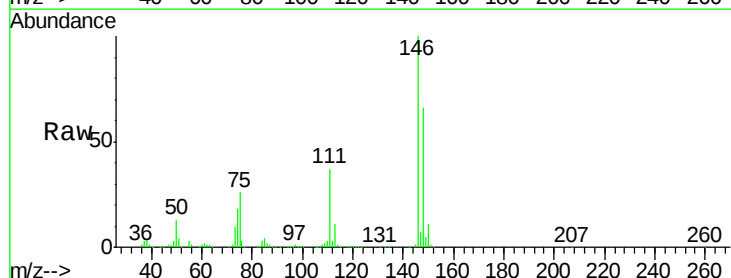
Manual Integrations
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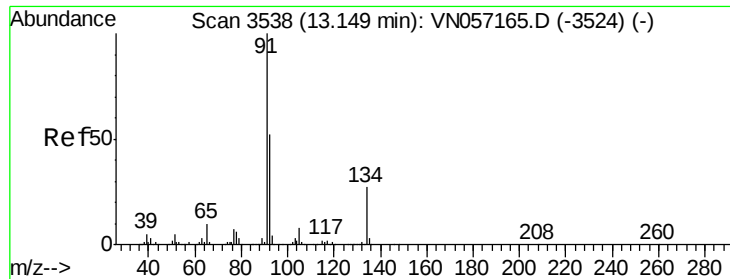
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#84
 1,4-Dichlorobenzene
 Concen: 50.007 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.0	54.0
148	65.1	32.3	96.9





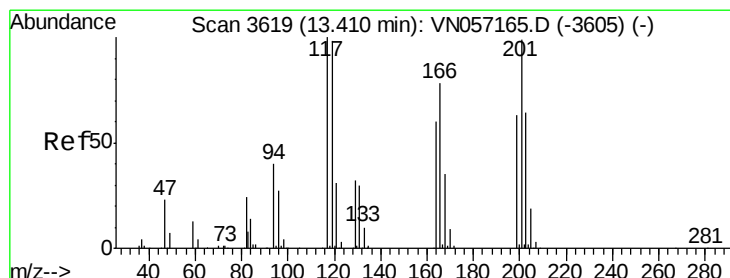
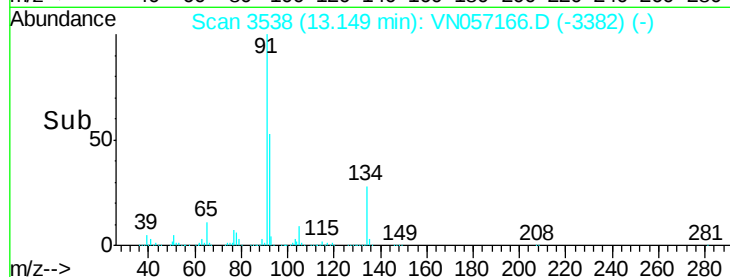
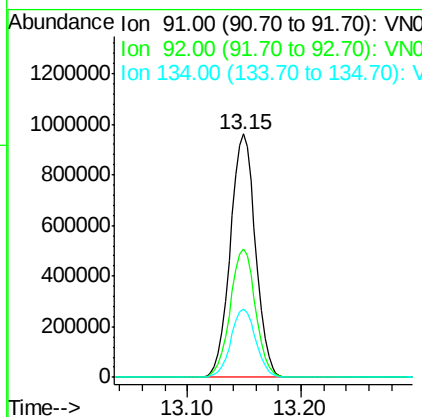
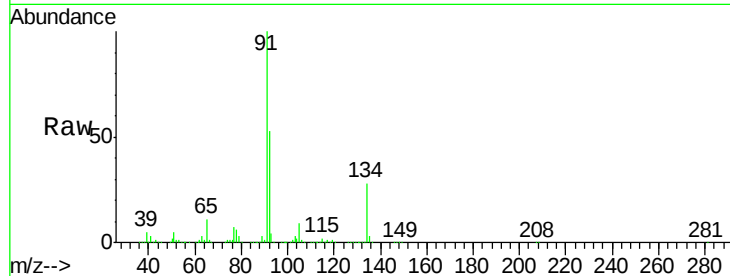
#85
n-Butylbenzene
Concen: 49.457 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	0.0	104.4
134	28.1	0.0	55.0

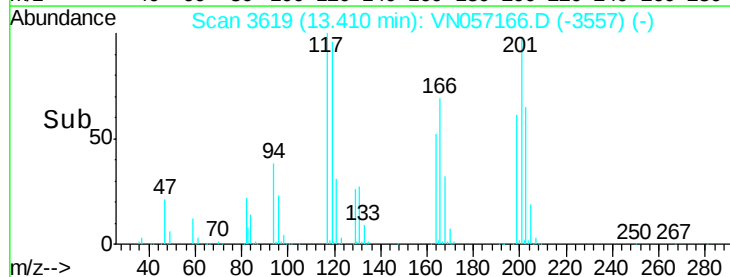
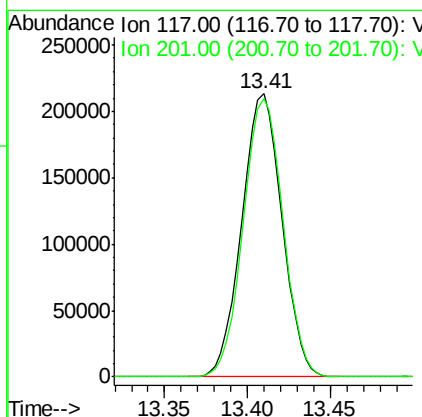
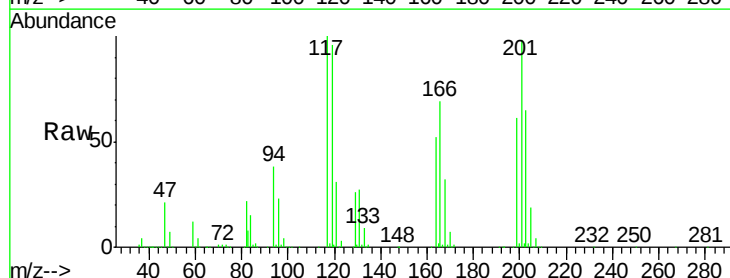
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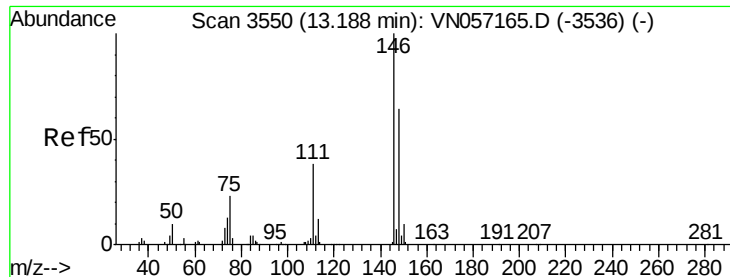
MMDadoda
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#86
Hexachloroethane
Concen: 47.578 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	49.3	147.9





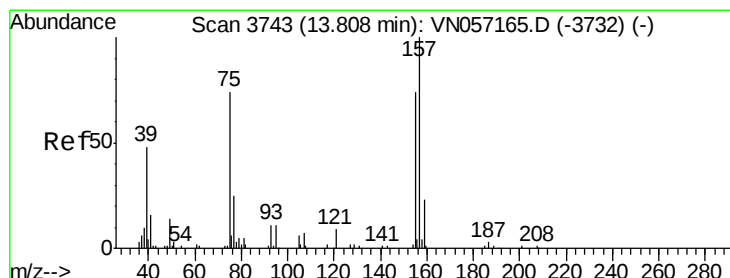
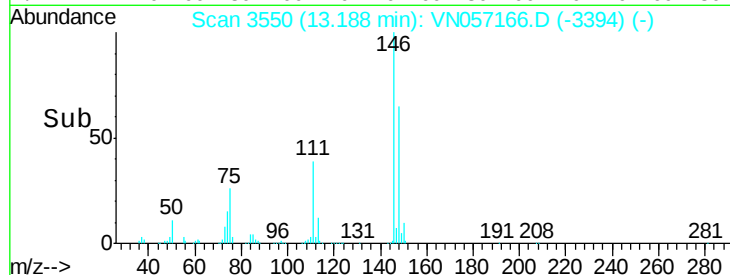
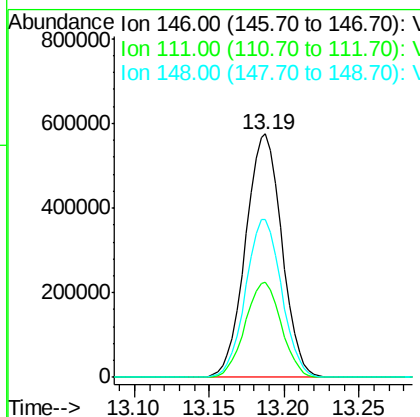
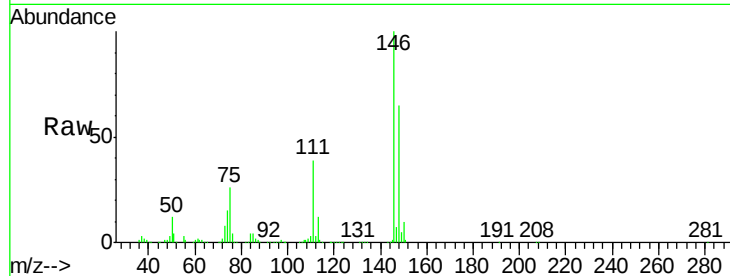
#87
 1,2-Dichlorobenzene
 Concen: 49.746 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	971453		
111	38.7	18.9	56.5	
148	64.4	32.4	97.0	

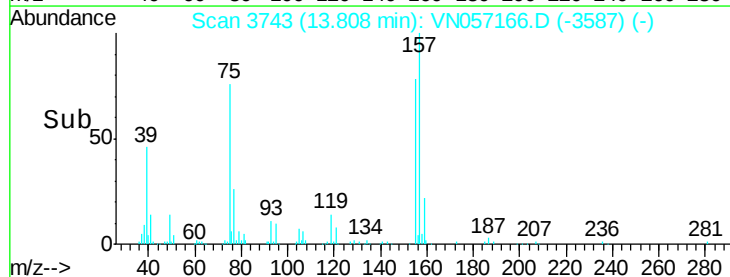
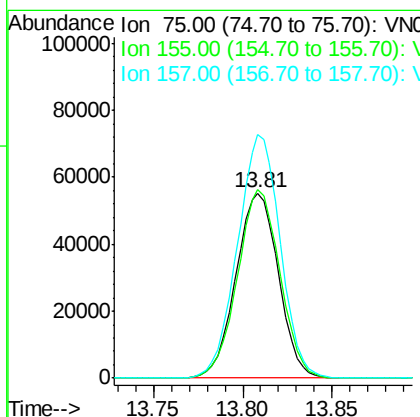
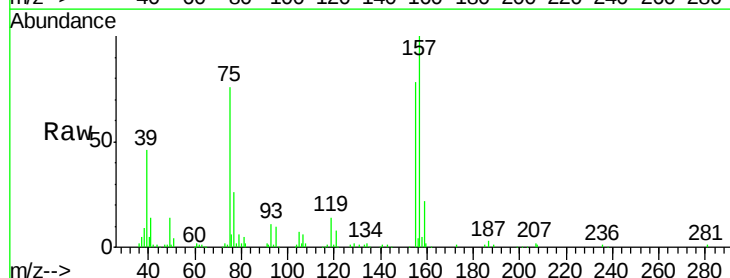
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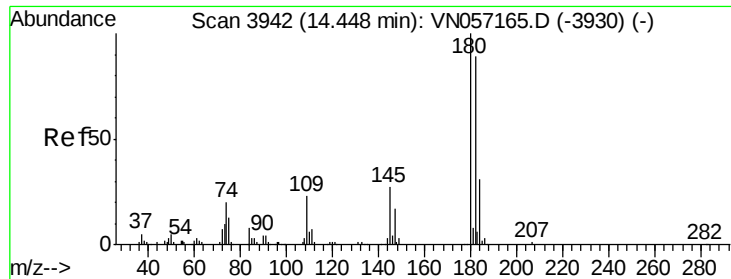
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 47.739 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91491		
155	101.9	80.9	121.3	
157	132.6	111.3	166.9	





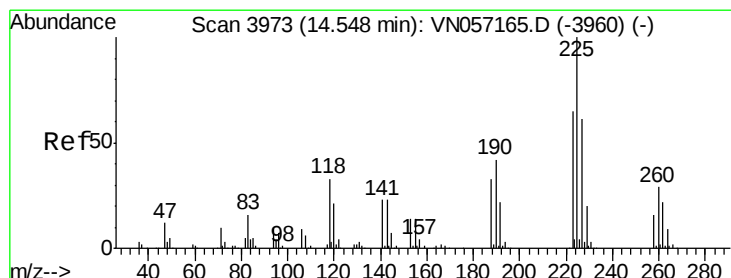
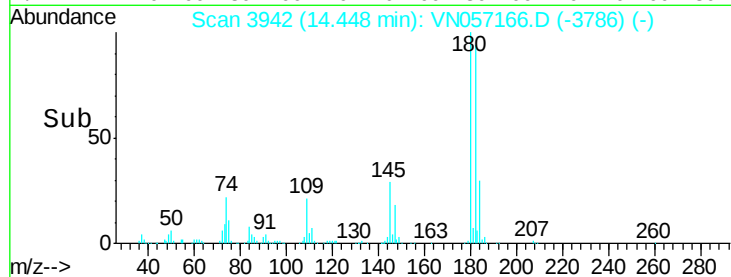
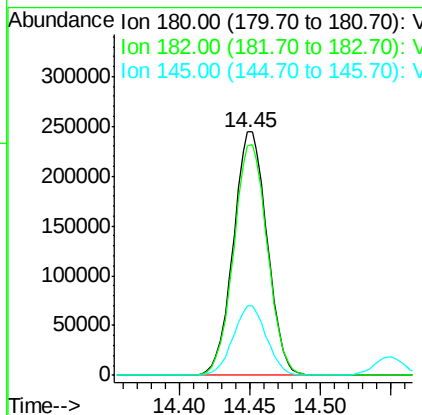
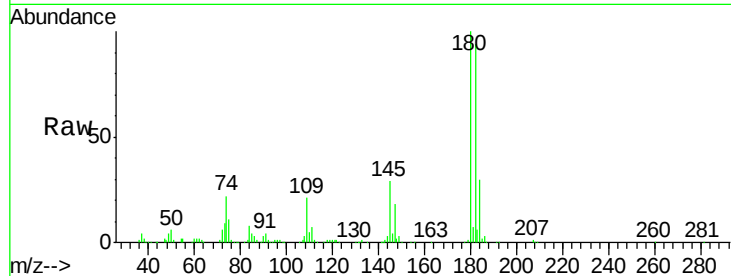
#89
 1,2,4-Trichlorobenzene
 Concen: 52.359 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	409667		
182	94.7	75.0	112.6	
145	28.0	21.7	32.5	

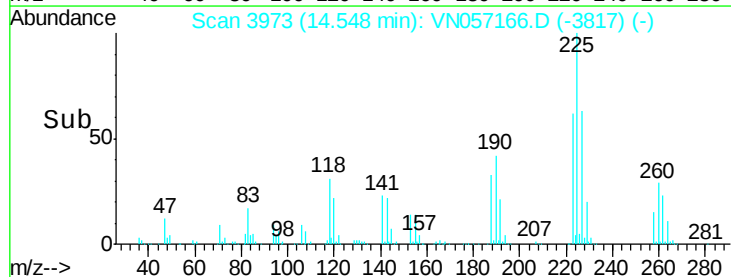
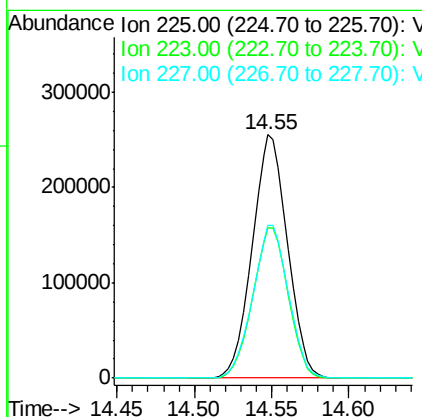
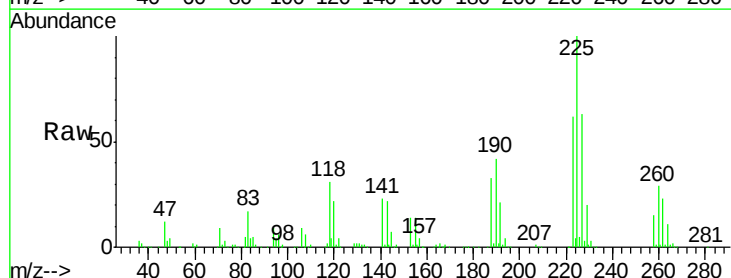
Manual Integrations
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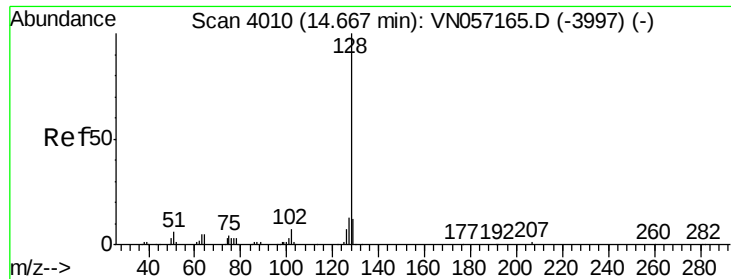
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#90
 Hexachlorobutadiene
 Concen: 48.124 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057166.D
 Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	405153		
223	61.9	0.0	128.0	
227	63.4	0.0	125.6	





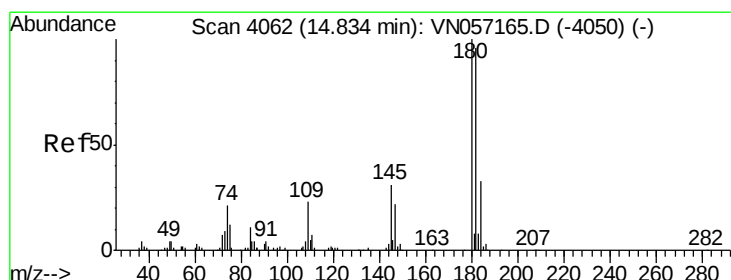
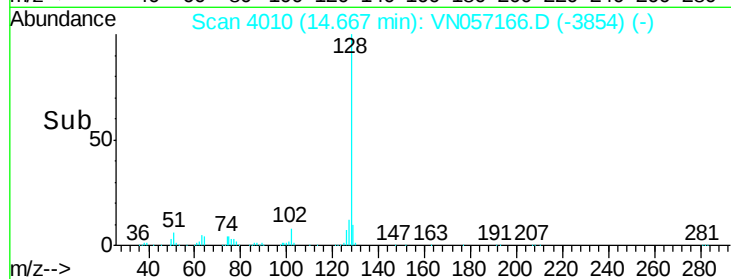
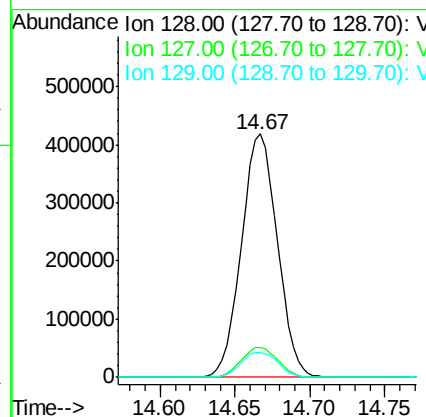
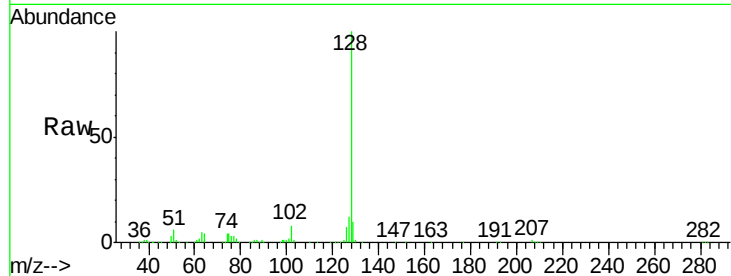
#91
Naphthalene
Concen: 47.289 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	700998		
127	12.6		10.2	15.4
129	10.7		8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 51.776 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057166.D
Acq: 10 Aug 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	372231		
182	96.7		0.0	195.8
145	29.2		0.0	61.2

