

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
 Data File : VN057465.D
 Acq On : 23 Aug 2019 10:28
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:12:01 PM

Quant Time: Aug 23 23:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 22:53:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75988	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	414341	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	391115	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	214454	39.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	132.27%
60) 4-Bromofluorobenzene	12.40	95	208614	35.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	118.77%
63) Toluene-d8	10.08	98	576290	31.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	395445	101.469	ug/l 99
3) Chloromethane	2.04	50	573513	118.805	ug/l 100
4) Vinyl Chloride	2.17	62	716824	142.017	ug/l 99
5) Bromomethane	2.54	94	463726	125.485	ug/l 98
6) Chloroethane	2.68	64	471737	138.302	ug/l 98
7) Trichlorofluoromethane	3.00	101	1140713	142.350	ug/l 93
8) Diethyl Ether	3.39	74	422338	140.917	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	633324	134.861	ug/l 99
10) 1,1-Dichloroethene	3.71	96	615992	134.002	ug/l 95
11) Methyl Iodide	3.92	142	513267	78.337	ug/l 99
12) Methyl Acetate	4.30	43	576917	114.117	ug/l 97
13) Acrolein	3.58	56	397906	749.162	ug/l 99
14) Acrylonitrile	4.96	53	1129898	576.598	ug/l 100
15) Acetone	3.80	58	456767	671.604	ug/l 95
16) Carbon Disulfide	4.02	76	1128035	99.792	ug/l 99
17) Allyl chloride	4.29	41	883446	133.730	ug/l 96
18) Methylene Chloride	4.52	84	457976	97.278	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	434549	97.933	ug/l 98
20) Diisopropyl ether	5.93	45	1841507	133.215	ug/l 95
21) 1,1-Dichloroethane	5.82	63	952831	116.846	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	512761	98.212	ug/l 97
23) tert-Butyl Alcohol	4.79	59	397751	566.077	ug/l 100
24) Methyl tert-Butyl Ether	5.02	73	1467508	111.859	ug/l 100
25) Chloroform	7.36	83	929755	110.832	ug/l 99
26) Cyclohexane	7.63	56	839820	122.309	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	715052	116.001	ug/l 99
30) 2-Butanone	6.82	43	1676341	651.427	ug/l 98
31) 2,2-Dichloropropane	6.80	77	797470	116.849	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	804435	111.451	ug/l 98
33) Carbon Tetrachloride	7.76	117	701899	110.596	ug/l 99
34) Benzene	8.03	78	2091492	112.379	ug/l # 90
35) Methacrylonitrile	7.16	41	367186	109.558	ug/l 95
36) 1,2-Dichloroethane	8.11	62	822384	130.185	ug/l # 89
37) Trichloroethene	8.82	130	475132	91.856	ug/l 95
38) Methylcyclohexane	9.07	83	808131	112.375	ug/l 98
39) 1,2-Dichloropropane	9.11	63	593963	121.959	ug/l 91
40) Dibromomethane	9.20	93	370071	116.667	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	794295	122.865	ug/l #	98
42) Vinyl Acetate	5.87	43	7725930	708.750	ug/l	99
43) Ethyl Acetate	6.91	43	702776	135.595	ug/l	99
44) Isopropyl Acetate	8.16	43	1287490	138.719	ug/l #	93
45) 1,4-Dioxane	9.20	88	155275	1955.470	ug/l	96
46) Methyl methacrylate	9.19	41	616401	146.085	ug/l	99
47) n-amyl Acetate	12.07	43	1088223	155.764	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	851027	122.598	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	931763	120.584	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	492606	108.673	ug/l	98
51) Ethyl methacrylate	10.43	69	837007	124.143	ug/l	98
52) 1,3-Dichloropropane	10.70	76	894630	118.070	ug/l	99
53) Dibromochloromethane	10.90	129	546327	106.656	ug/l	98
54) 1,2-Dibromoethane	11.00	107	508447	107.942	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1132376	718.785	ug/l	99
56) Bromoform	12.13	173	335257	89.936	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	3647977	648.435	ug/l	100
59) 2-Hexanone	10.75	43	2553349	637.783	ug/l	99
61) Tetrachloroethene	10.63	164	420276	77.556	ug/l	96
62) Toluene	10.15	91	2278128	103.993	ug/l	100
64) Chlorobenzene	11.43	112	1277679	95.569	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	474407	92.121	ug/l	99
66) Ethyl Benzene	11.51	91	2487511	104.453	ug/l	100
67) m/p-Xylenes	11.62	106	1757360	200.646	ug/l	99
68) o-Xylene	11.95	106	857610	99.536	ug/l	98
69) Styrene	11.96	104	1457309	106.045	ug/l	99
70) Isopropylbenzene	12.25	105	2346401	102.045	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	679139	106.625	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	591497m	108.332	ug/l	
73) Bromobenzene	12.53	156	488366	83.756	ug/l	99
74) n-propylbenzene	12.59	91	2781160	114.075	ug/l	99
75) 2-Chlorotoluene	12.67	91	1614824	107.999	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1945786	102.027	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	239650	114.949	ug/l	92
78) 4-Chlorotoluene	12.77	91	1612897	114.988	ug/l	99
79) tert-butylbenzene	12.99	119	1617273	95.901	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1870427	103.927	ug/l	99
81) sec-Butylbenzene	13.17	105	2212055	104.576	ug/l	100
82) p-Isopropyltoluene	13.29	119	1876521	100.375	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	813280	94.514	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	814764	100.406	ug/l	99
85) n-Butylbenzene	13.62	91	1715433	122.084	ug/l	99
86) Hexachloroethane	13.88	117	375108	103.242	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	806578	98.577	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	129293	143.825	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	359443	122.454	ug/l	99
90) Hexachlorobutadiene	15.01	225	214476	61.826	ug/l	98
91) Naphthalene	15.13	128	1125136	161.516	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	360422	126.565	ug/l	98

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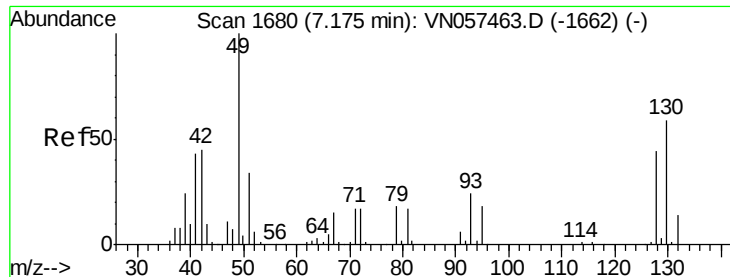
Manual Integrations
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

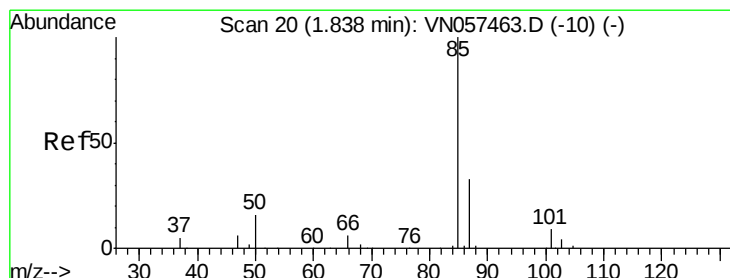
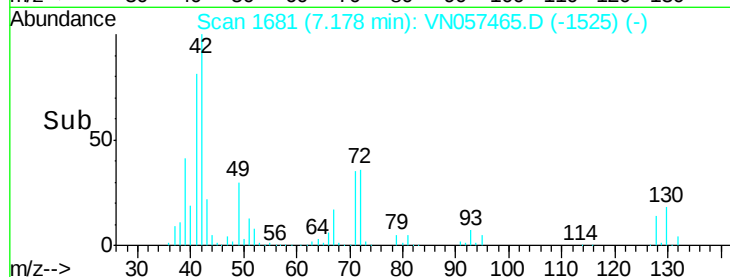
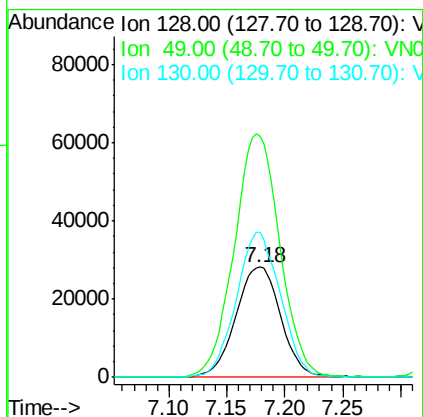
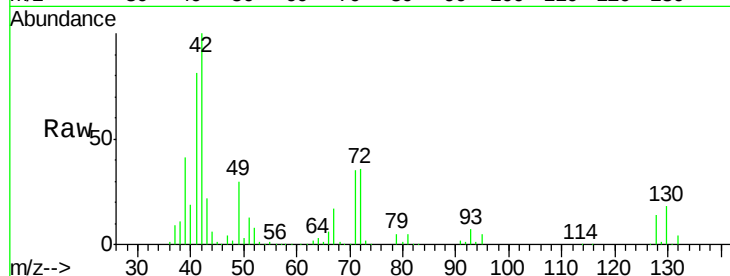
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	75988
Ion	Ratio	Lower	Upper
128	100		
49	224.1	0.0	560.5
130	128.4	0.0	317.3

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#2

Dichlorodifluoromethane

Concen: 101.469 ug/l

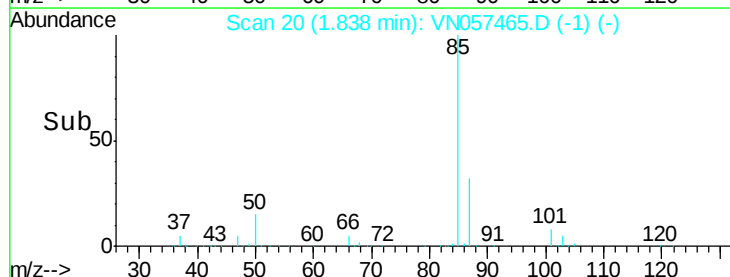
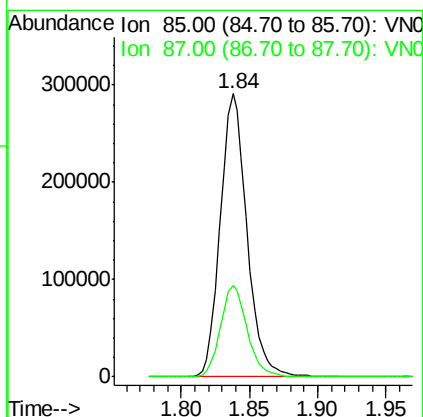
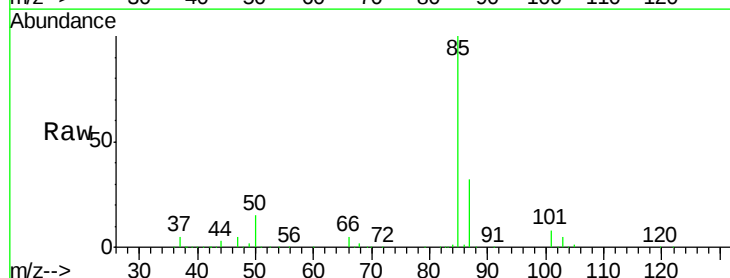
RT: 1.84 min Scan# 20

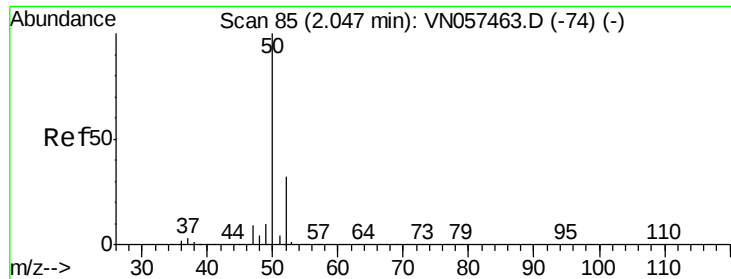
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	85	Resp:	395445
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.4	49.1





#3

Chloromethane

Concen: 118.805 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 573513

Ion Ratio Lower Upper

50 100

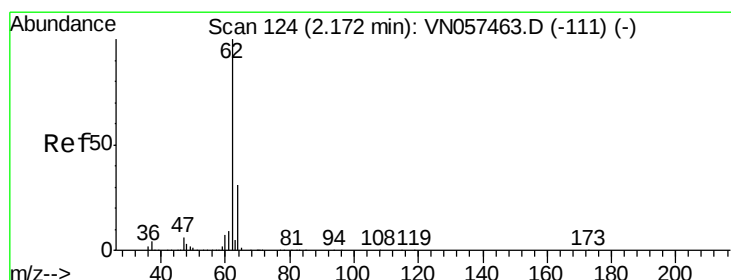
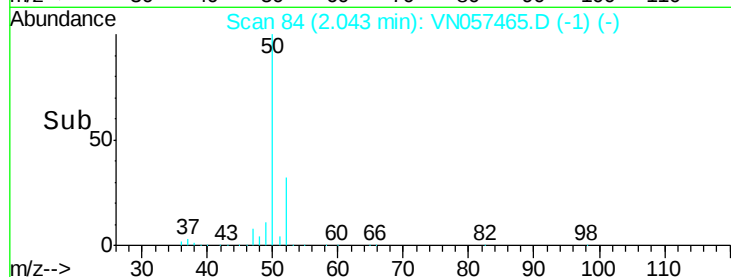
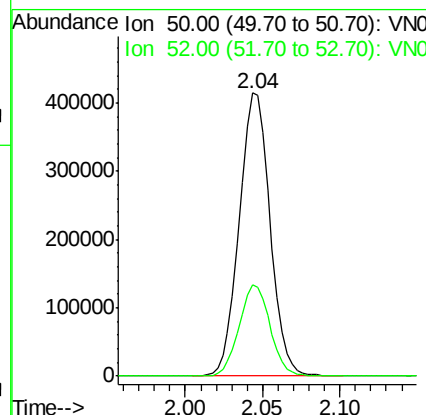
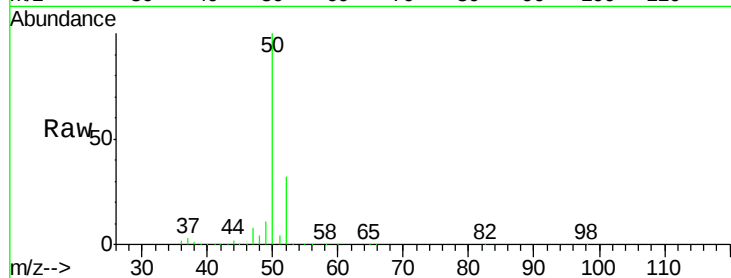
52 32.1 25.8 38.6

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#4

Vinyl Chloride

Concen: 142.017 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057465.D

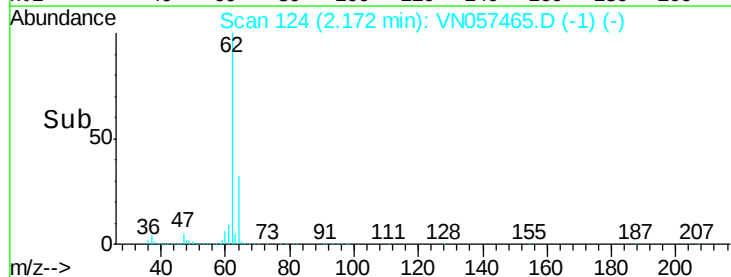
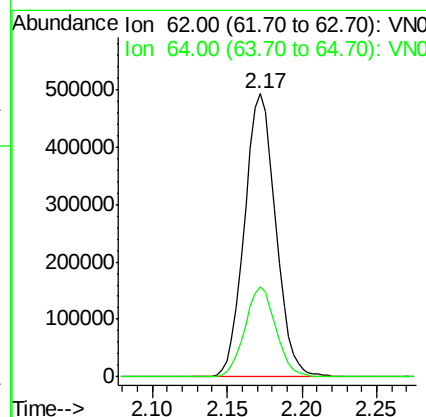
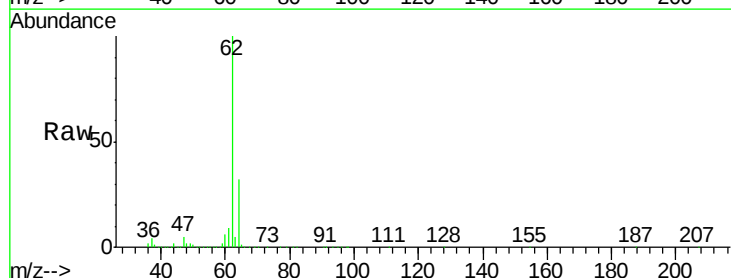
Acq: 23 Aug 2019 10:28

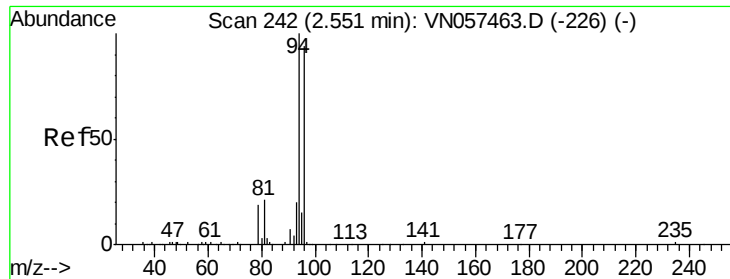
Tgt Ion: 62 Resp: 716824

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 125.485 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.02 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 463726

Ion Ratio Lower Upper

94 100

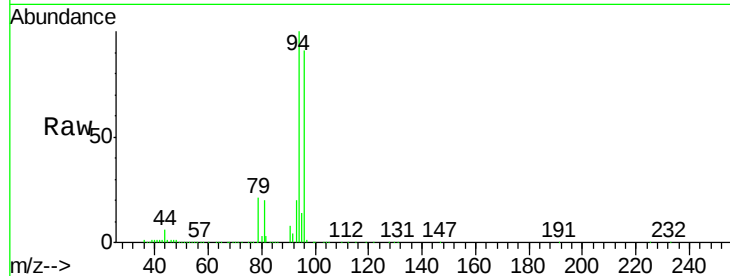
96 91.2 74.8 112.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

250000

200000

150000

100000

50000

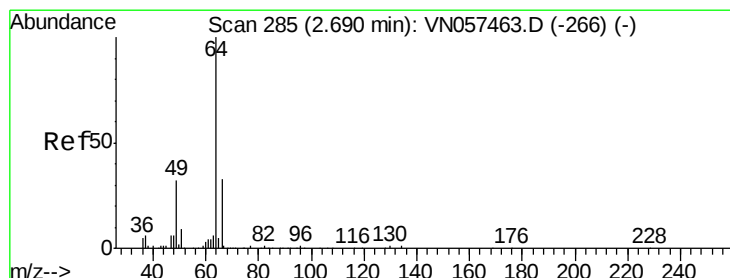
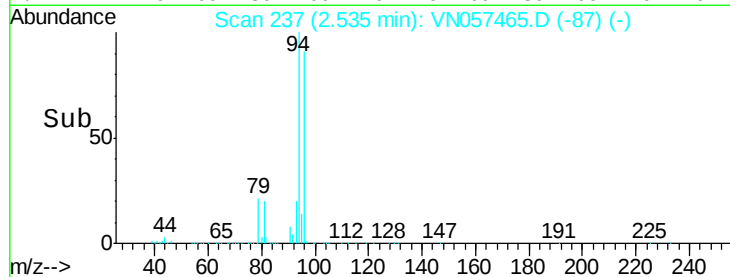
0

2.54

2.50

2.60

Time-->



#6

Chloroethane

Concen: 138.302 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057465.D

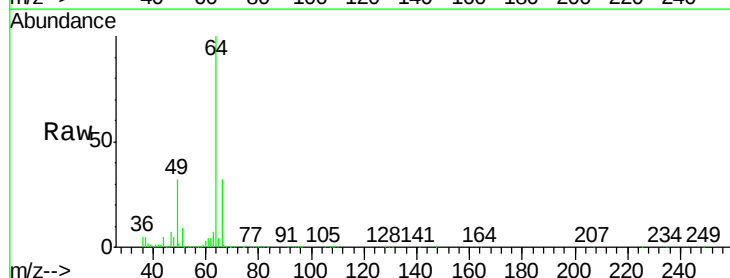
Acq: 23 Aug 2019 10:28

Tgt Ion: 64 Resp: 471737

Ion Ratio Lower Upper

64 100

66 32.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

250000

200000

150000

100000

50000

0

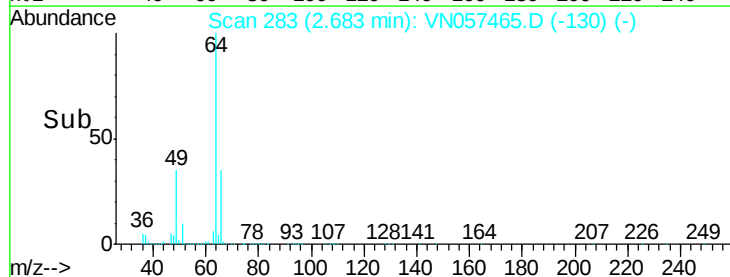
2.68

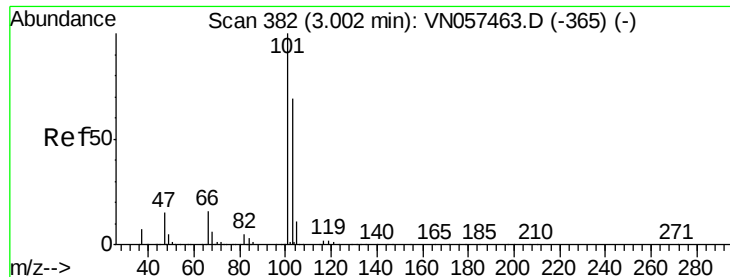
2.60

2.70

2.80

Time-->





#7

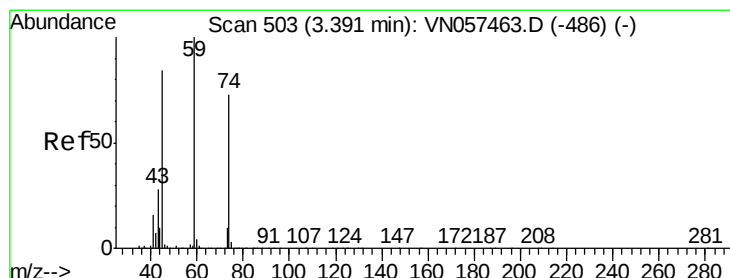
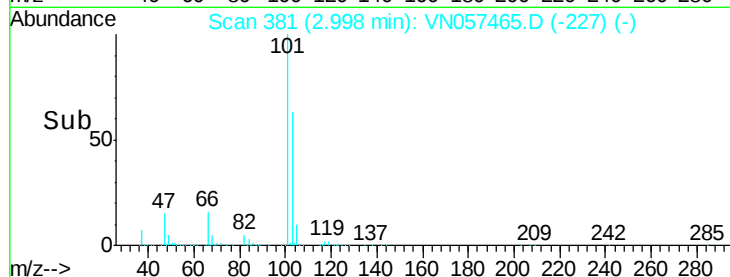
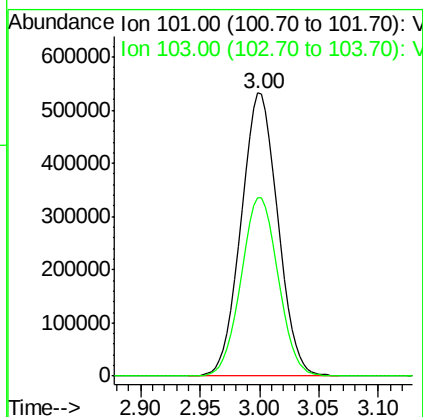
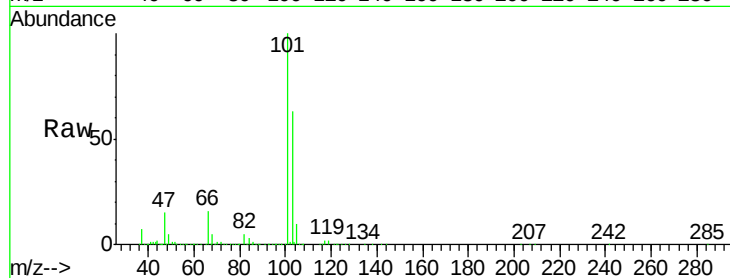
Trichlorofluoromethane
Concen: 142.350 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

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ClientSampleId :
VSTDICC100

Tot Ion:101 Resp: 1140713
Ion Ratio Lower Upper
101 100
103 63.0 55.0 82.4

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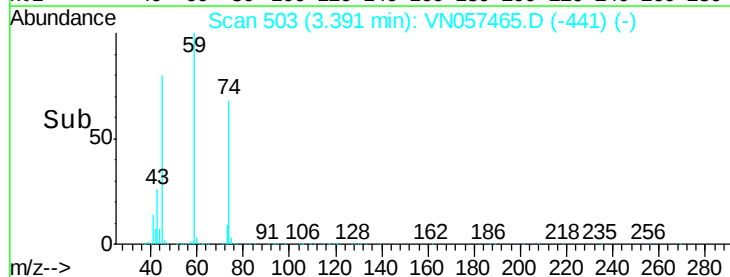
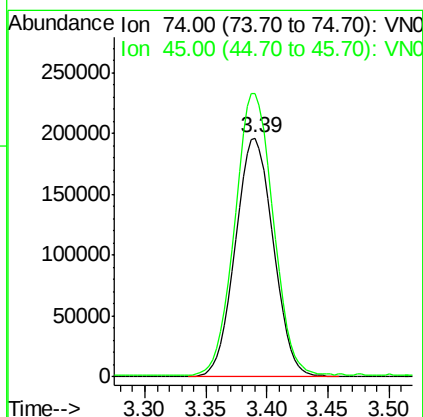
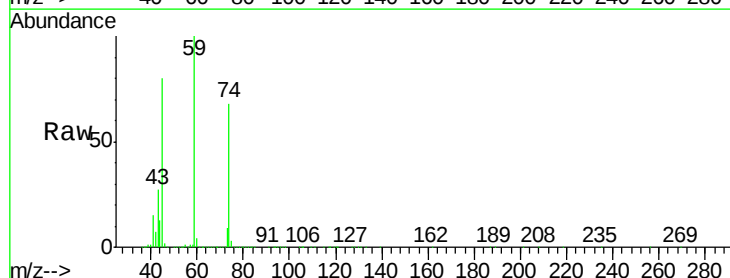
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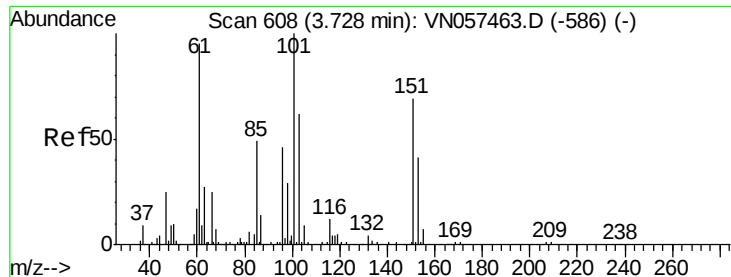


#8

Diethyl Ether
Concen: 140.917 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 74 Resp: 422338
Ion Ratio Lower Upper
74 100
45 119.4 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.861 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

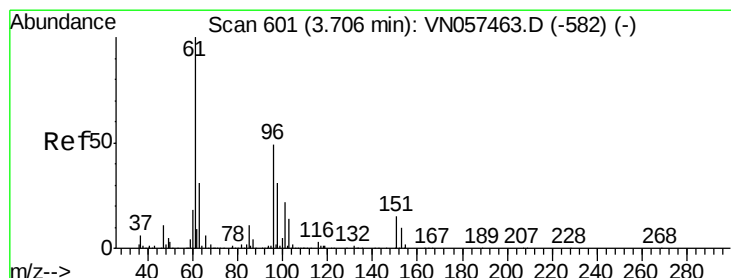
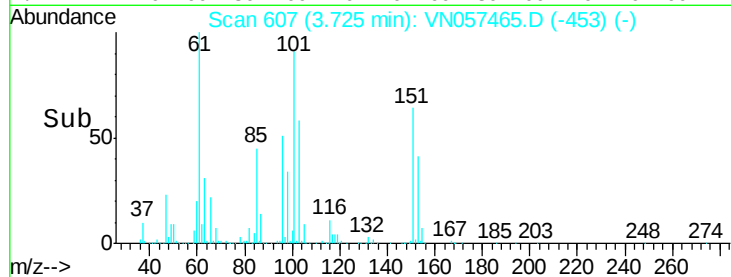
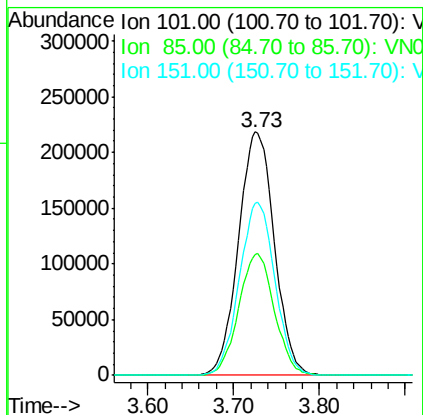
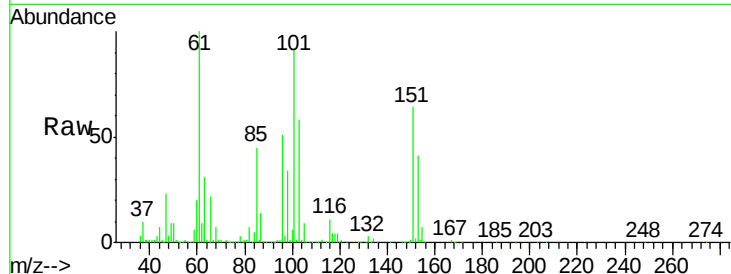
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	633324
Ion Ratio	Lower	Upper	
101	100		
85	49.6	0.0	101.6
151	70.5	0.0	139.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 134.002 ug/l

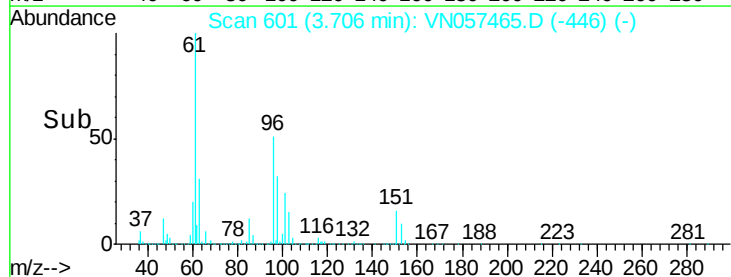
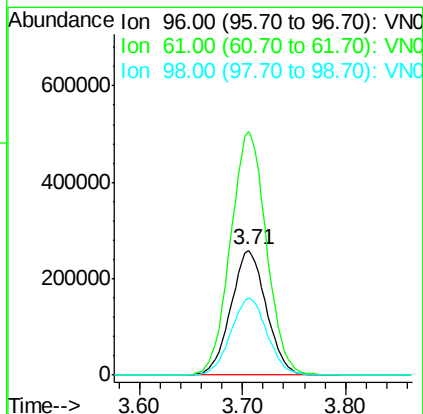
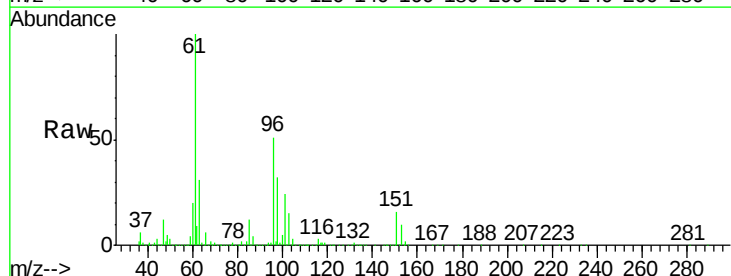
RT: 3.71 min Scan# 601

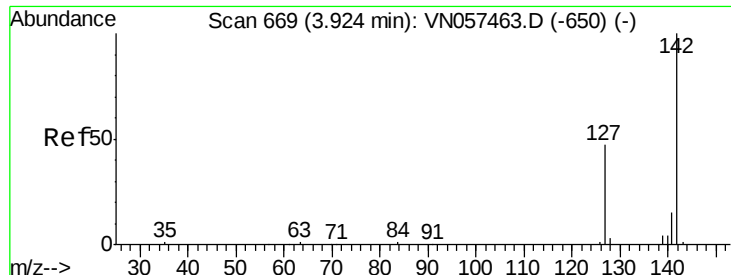
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	96	Resp:	615992
Ion Ratio	Lower	Upper	
96	100		
61	195.3	162.6	244.0
98	62.1	51.1	76.7





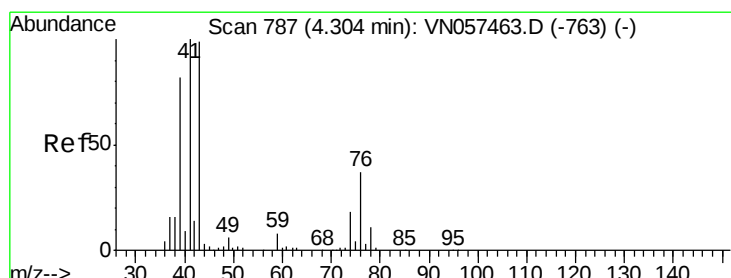
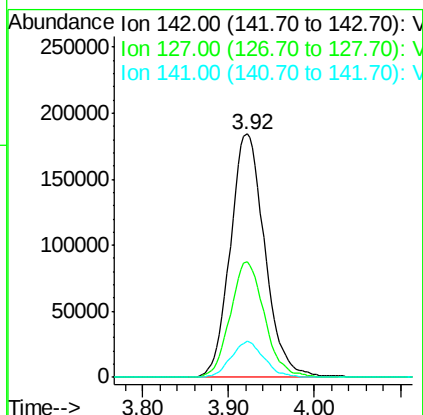
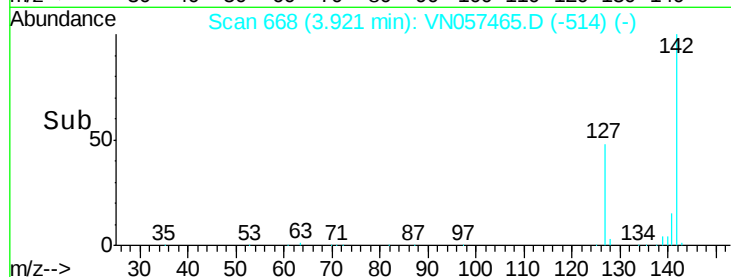
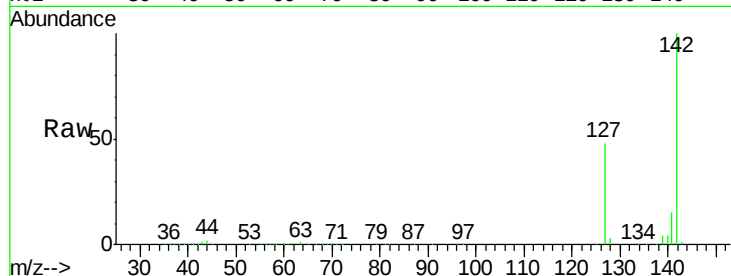
#11
Methyl Iodide
Concen: 78.337 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.6	24.0	72.0
141	14.8	7.0	21.1

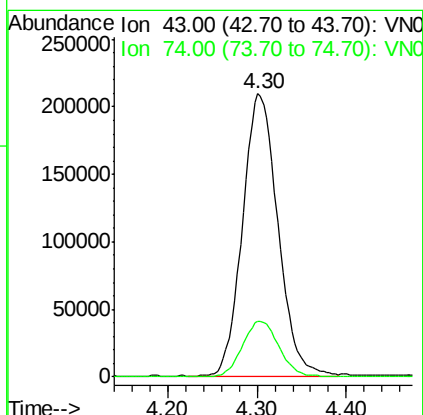
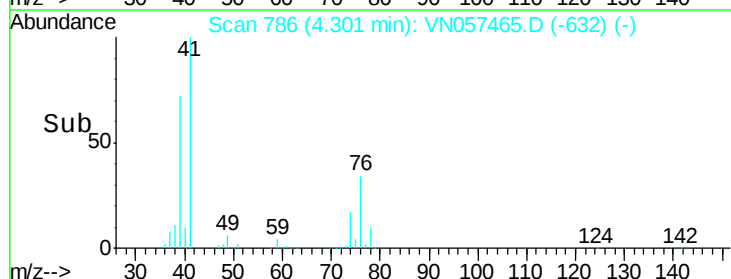
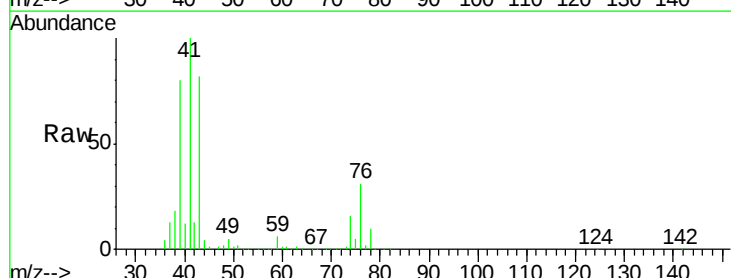
Manual Integrations
APPROVED

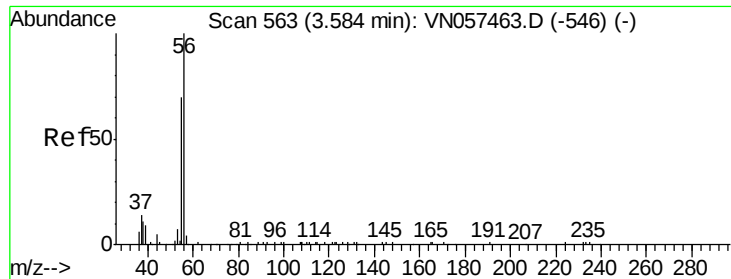
MMDadoda
8/26/2019 1:12:01 PM



#12
Methyl Acetate
Concen: 114.117 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	14.6	22.0





#13

Acrolein

Concen: 749.162 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 397906

Ion Ratio Lower Upper

56 100

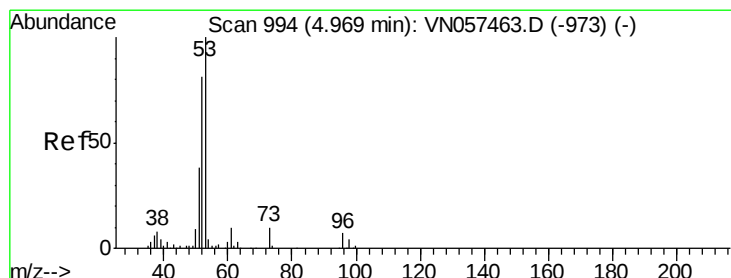
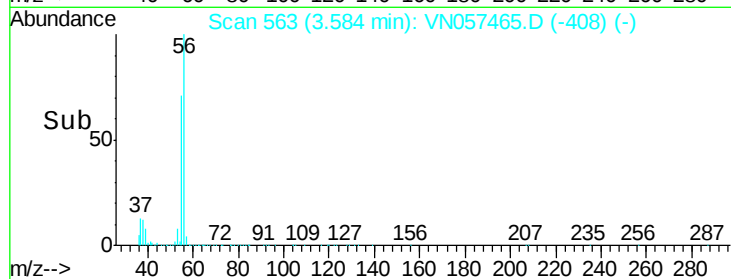
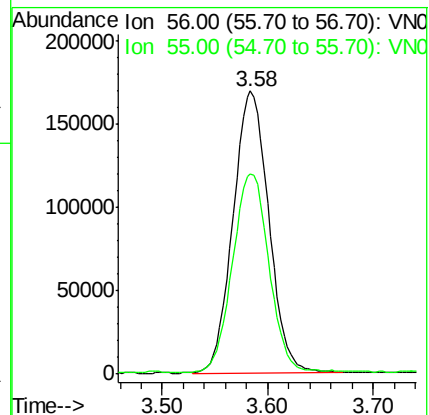
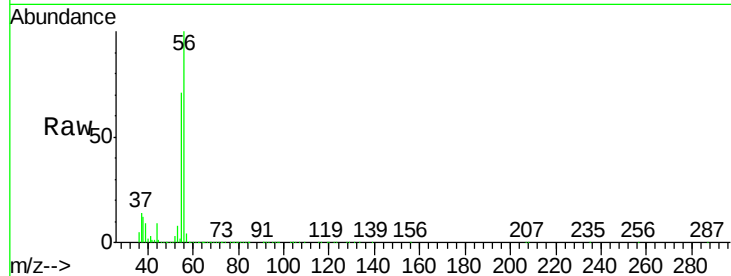
55 71.6 56.7 85.1

Manual Integrations

APPROVED

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8/26/2019 1:12:01 PM



#14

Acrylonitrile

Concen: 576.598 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

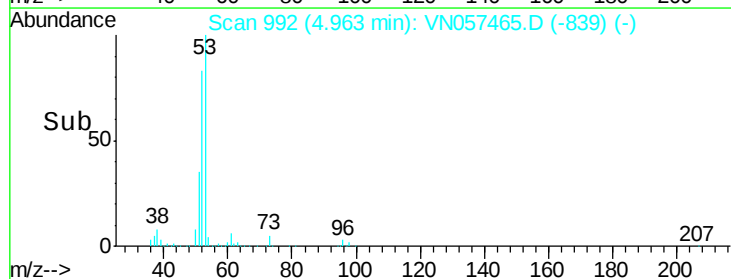
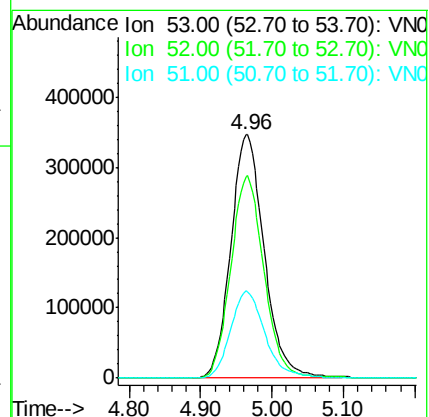
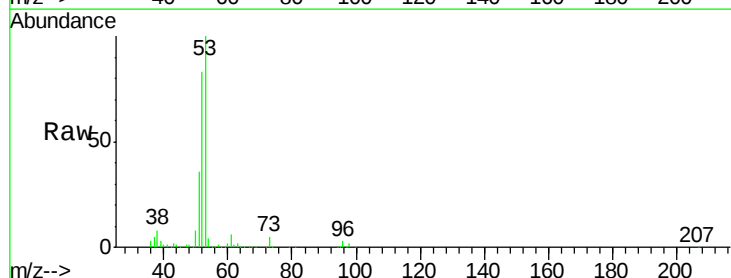
Tgt Ion: 53 Resp: 1129898

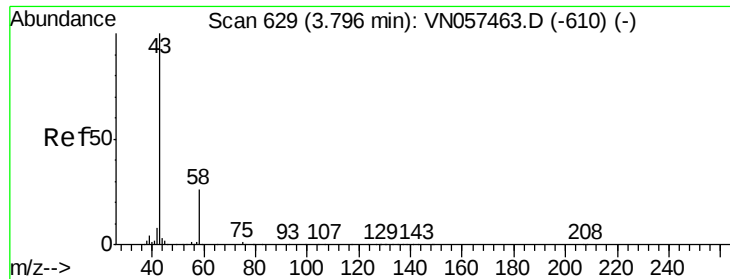
Ion Ratio Lower Upper

53 100

52 82.2 41.3 123.9

51 36.7 18.3 54.9





#15

Acetone

Concen: 671.604 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 456767

Ion Ratio Lower Upper

58 100

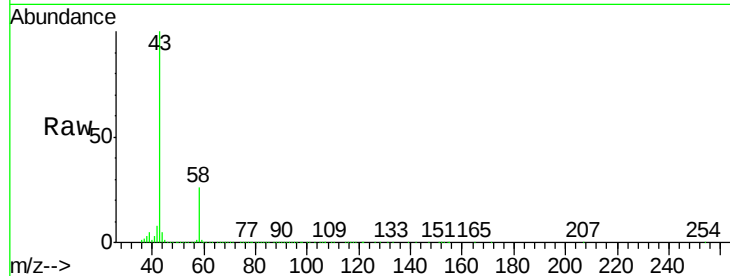
43 391.0 304.4 456.6

Manual Integrations

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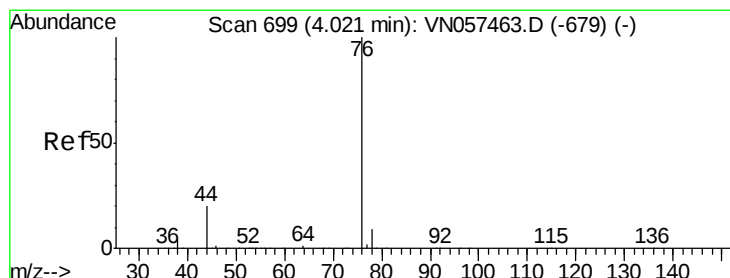
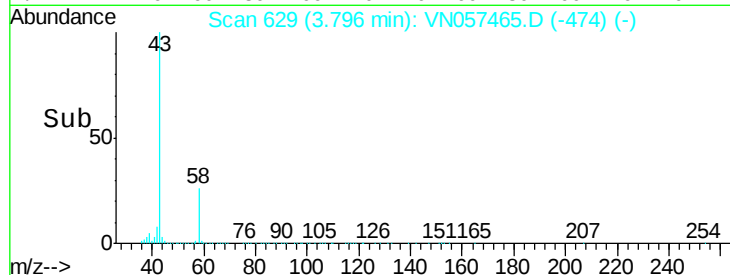
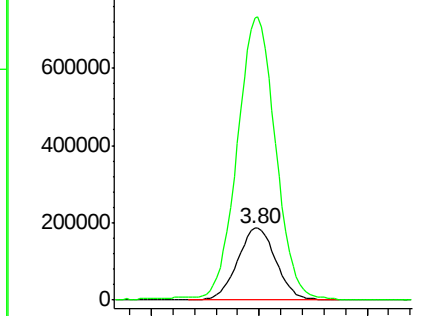
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 99.792 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057465.D

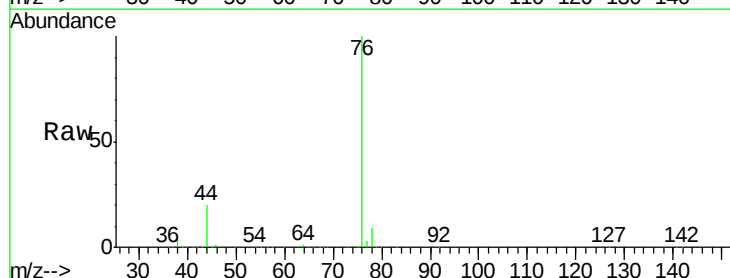
Acq: 23 Aug 2019 10:28

Tgt Ion: 76 Resp: 1128035

Ion Ratio Lower Upper

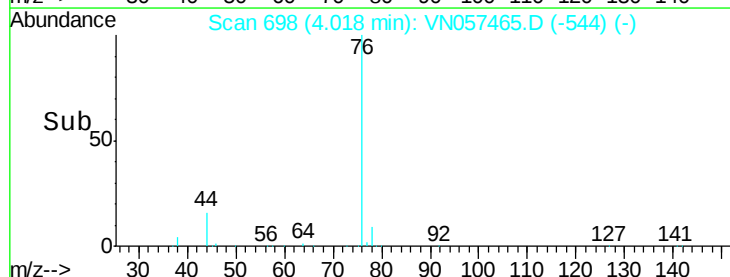
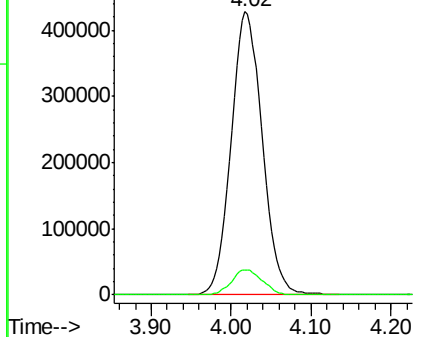
76 100

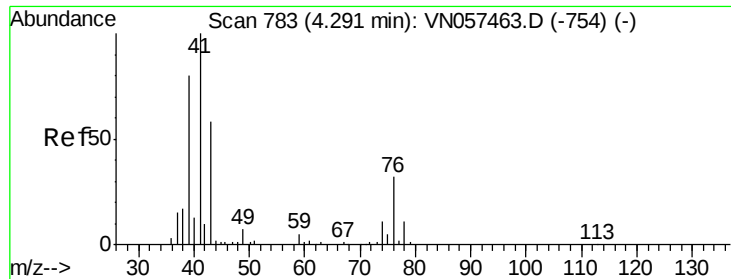
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 133.730 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

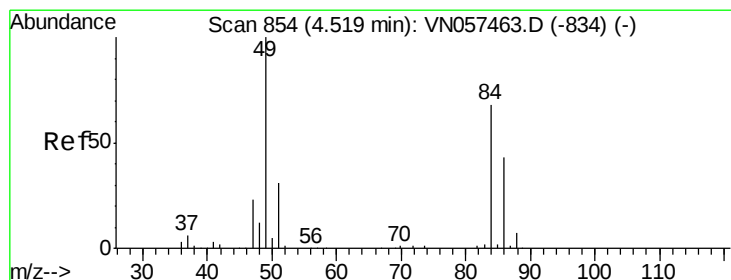
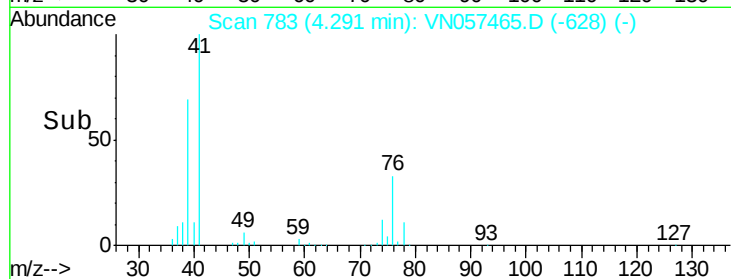
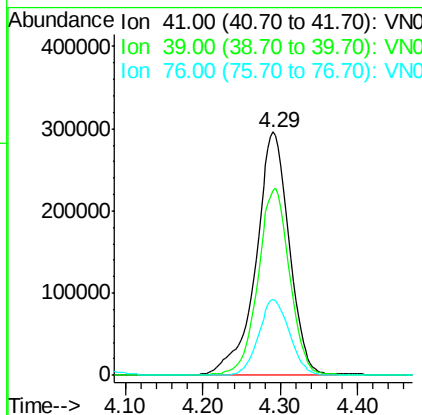
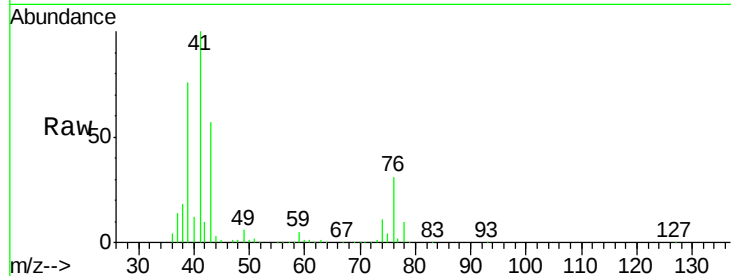
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	883446
Ion	Ratio	Lower	Upper
41	100		
39	76.1	40.1	120.2
76	31.2	16.2	48.6

Manual Integrations
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#18

Methylene Chloride

Concen: 97.278 ug/l

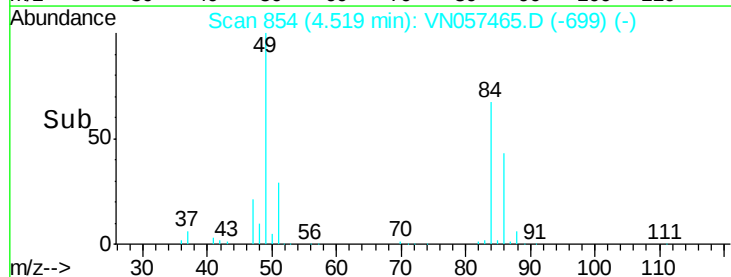
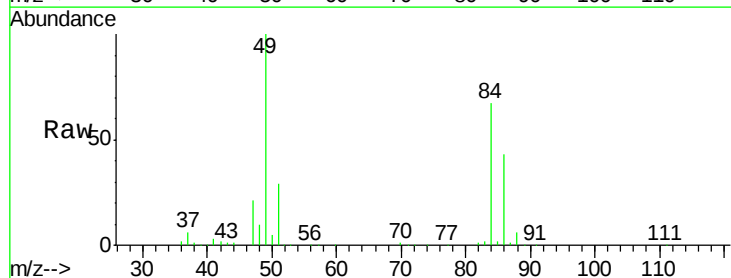
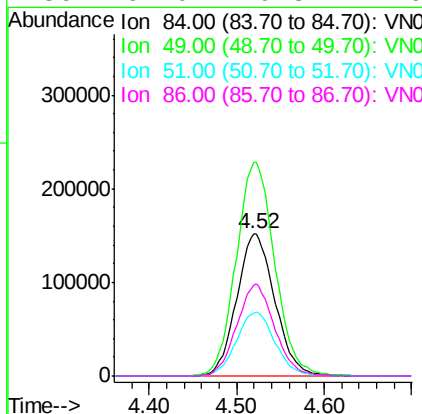
RT: 4.52 min Scan# 854

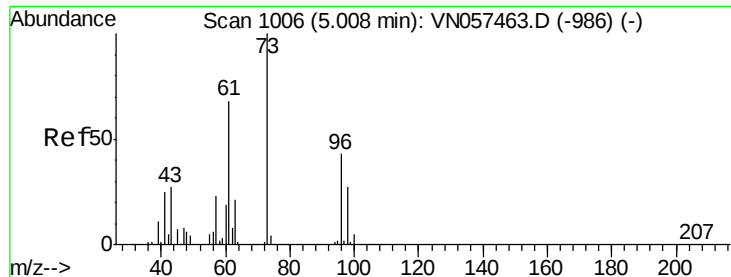
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	84	Resp:	457976
Ion	Ratio	Lower	Upper
84	100		
49	150.0	116.8	175.2
51	44.2	36.4	54.6
86	64.0	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 97.933 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

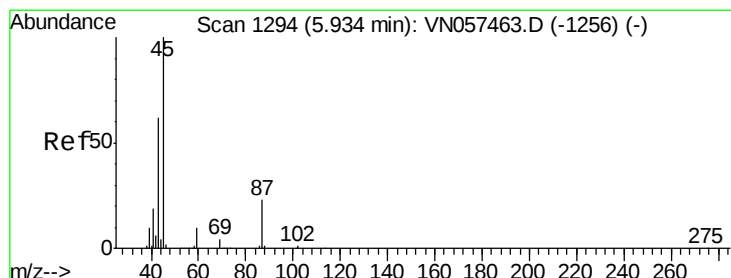
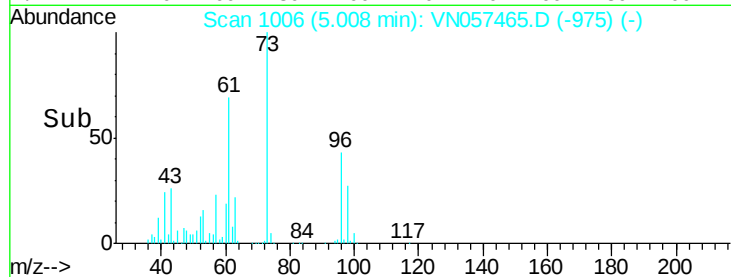
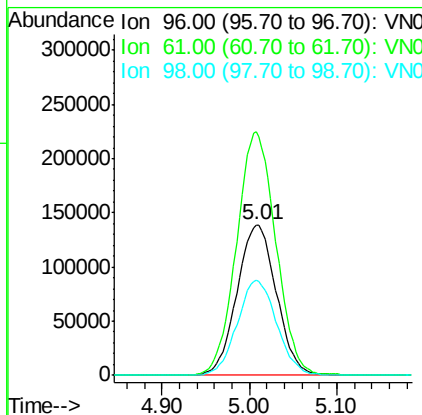
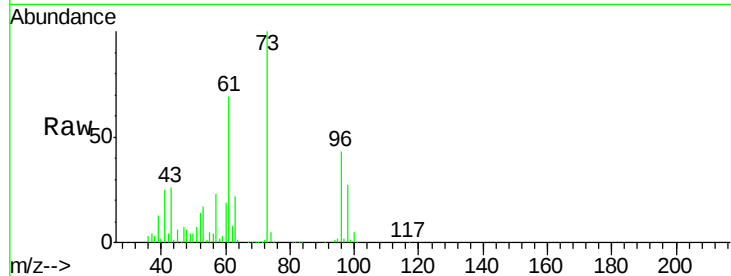
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	434549
Ion	Ratio	Lower	Upper
96	100		
61	161.4	127.6	191.4
98	62.8	51.5	77.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 133.215 ug/l

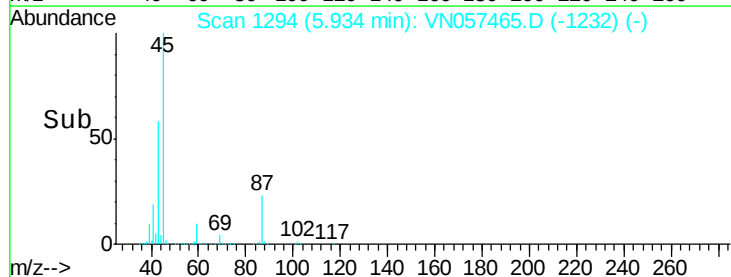
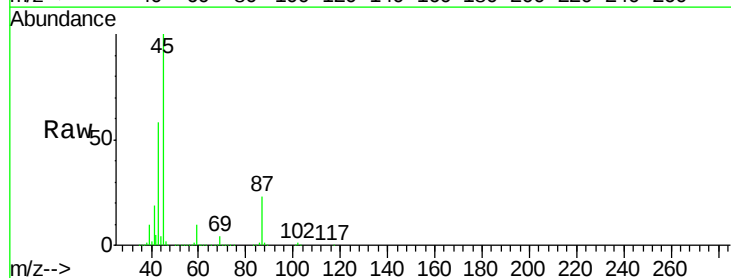
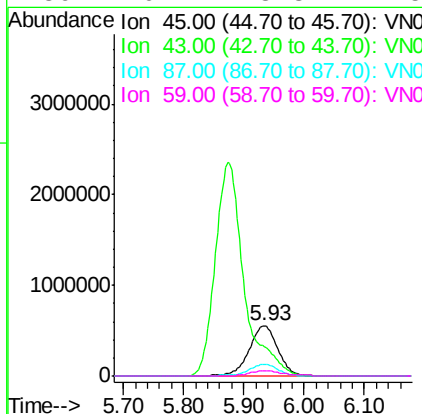
RT: 5.93 min Scan# 1294

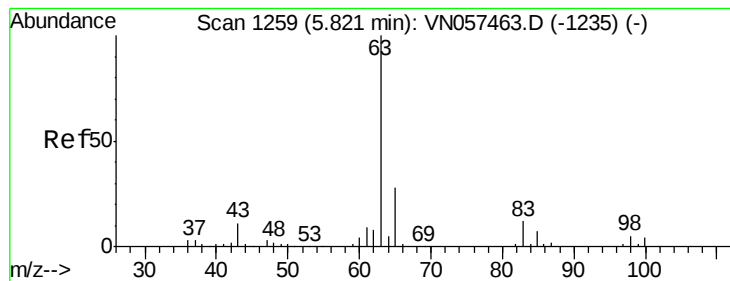
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	45	Resp:	1841507
Ion	Ratio	Lower	Upper
45	100		
43	57.4	49.9	74.9
87	23.3	19.1	28.7
59	10.2	8.3	12.5





#21

1,1-Dichloroethane

Concen: 116.846 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

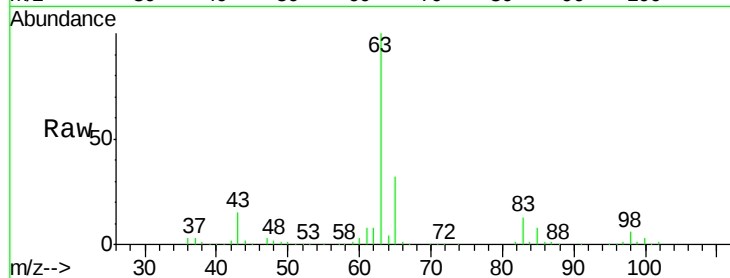
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	952831
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.4	7.1
100	3.4	2.1	6.3

Manual Integrations
APPROVED

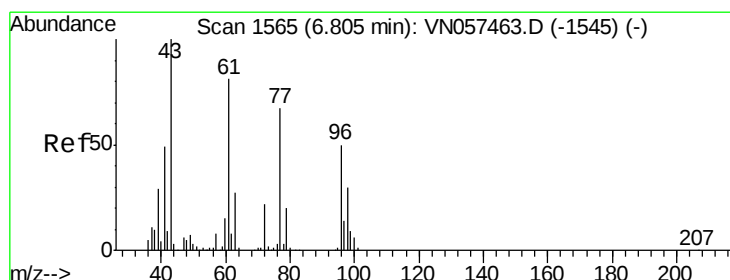
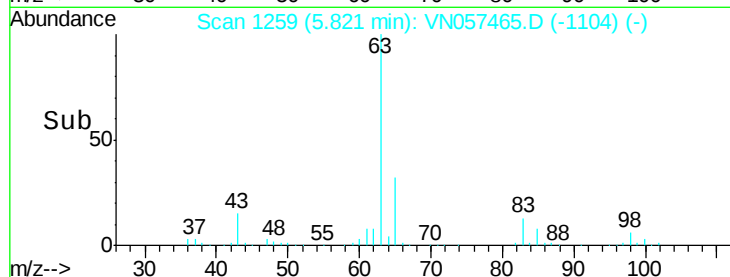
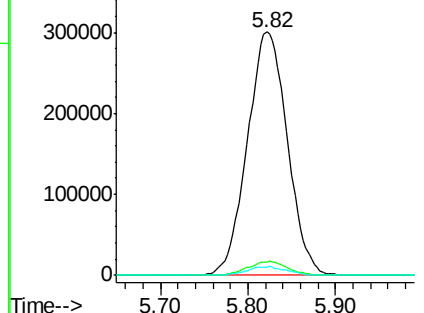
MMDadoda
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Abundance Ion 63.00 (62.70 to 63.70): VN057463.D (-1235) (-)

Ion 98.00 (97.70 to 98.70): VN057463.D (-1235) (-)

Ion 100.00 (99.70 to 100.70): VN057463.D (-1235) (-)



#22

cis-1,2-Dichloroethene

Concen: 98.212 ug/l

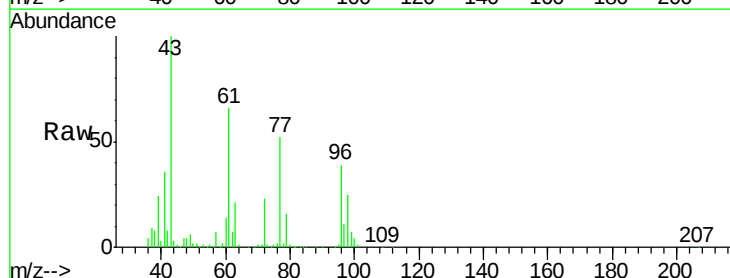
RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

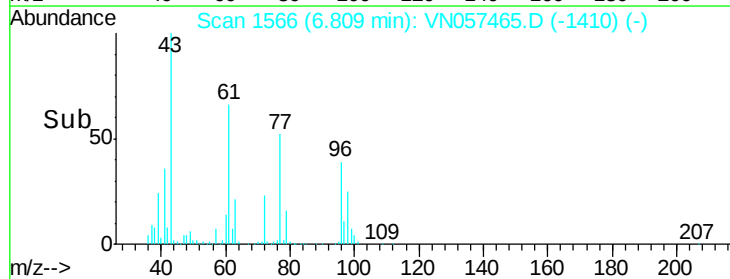
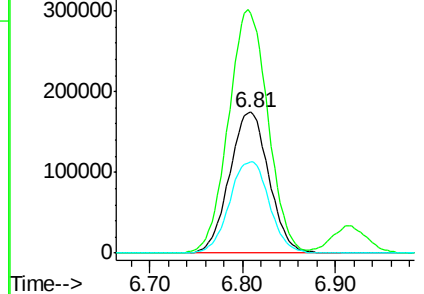
Tgt Ion:	96	Resp:	512761
Ion Ratio	Lower	Upper	
96	100		
61	173.4	134.4	201.6
98	65.9	51.4	77.0

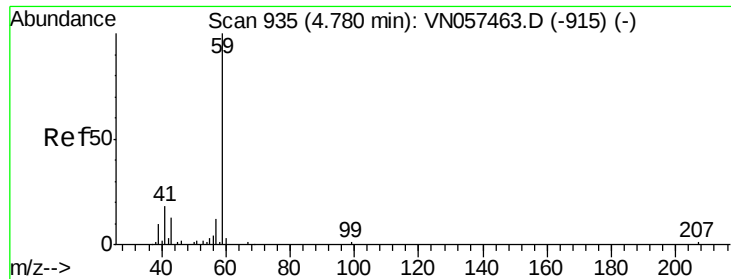


Abundance Ion 96.00 (95.70 to 96.70): VN057463.D (-1545) (-)

Ion 61.00 (60.70 to 61.70): VN057463.D (-1545) (-)

Ion 98.00 (97.70 to 98.70): VN057463.D (-1545) (-)





#23

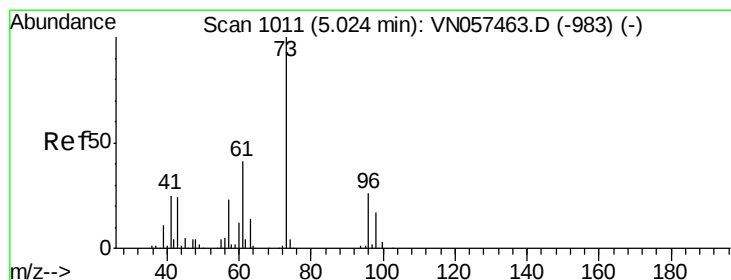
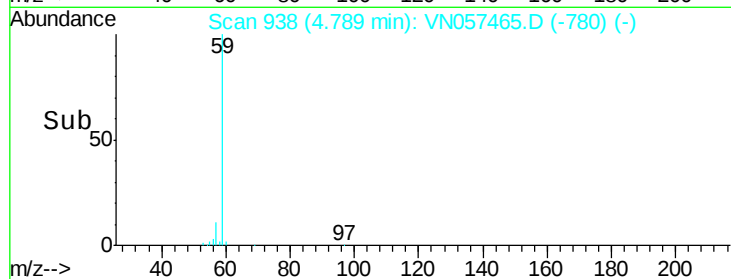
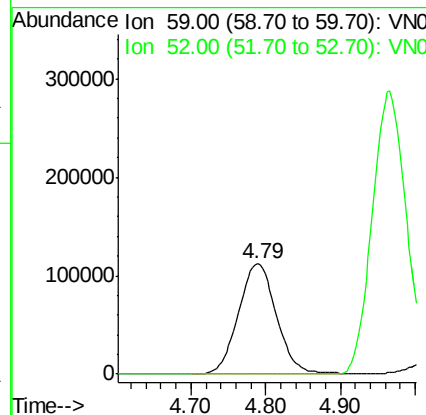
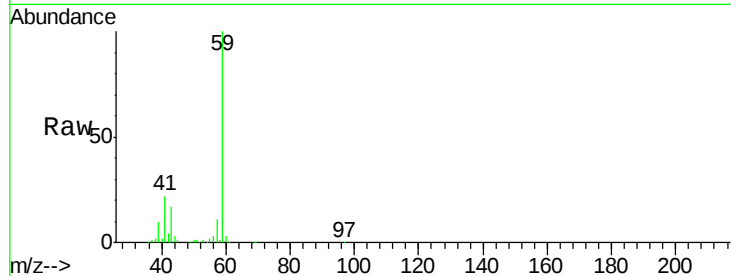
tert-Butyl Alcohol
 Concen: 566.077 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
 APPROVED

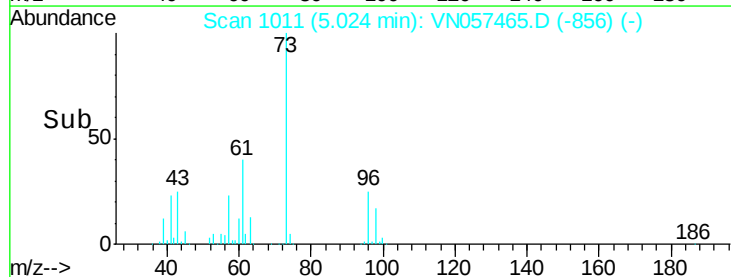
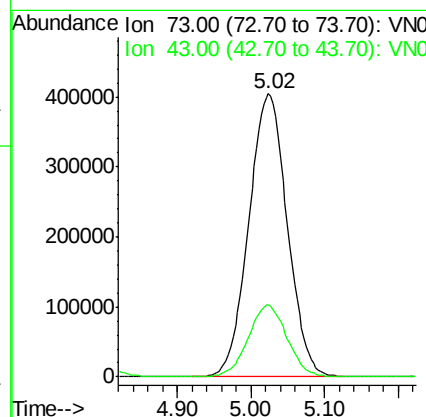
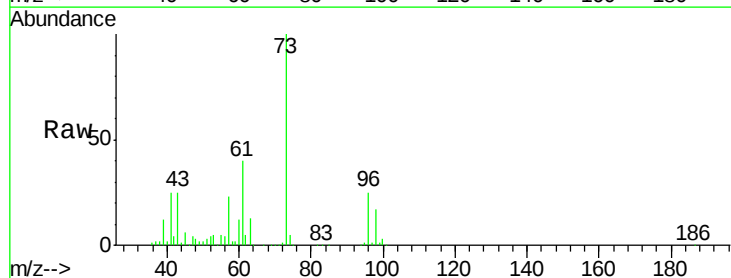
MMDadoda
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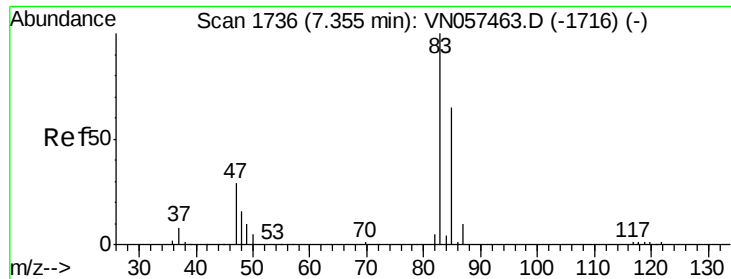


#24

Methyl tert-Butyl Ether
 Concen: 111.859 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.0	20.1	30.1





#25

Chloroform

Concen: 110.832 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 929755

Ion Ratio Lower Upper

83 100

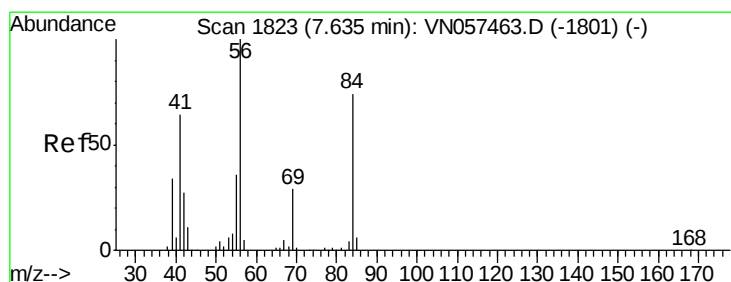
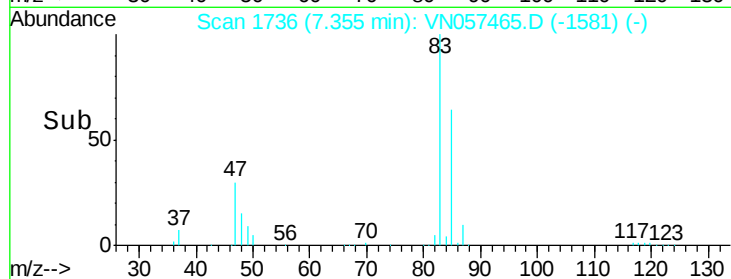
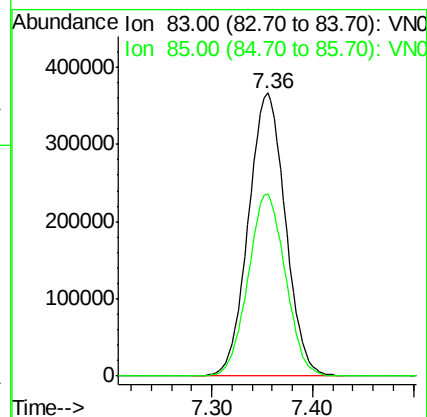
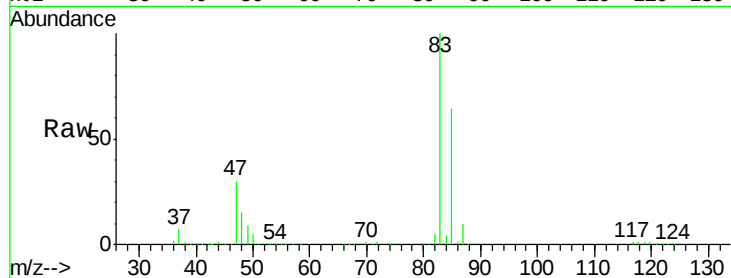
85 64.5 52.0 78.0

Manual Integrations

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8/26/2019 1:12:01 PM



#26

Cyclohexane

Concen: 122.309 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

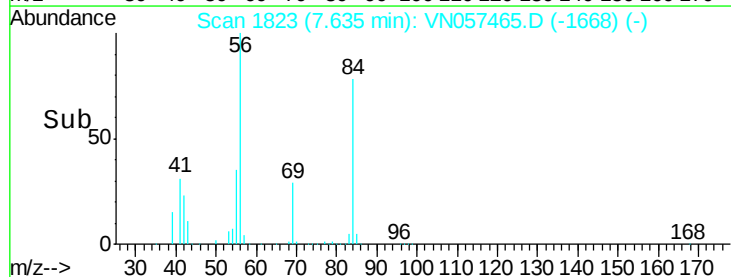
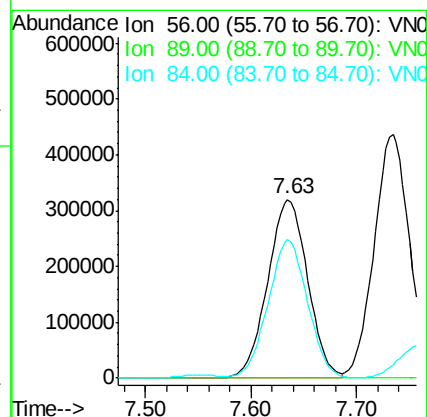
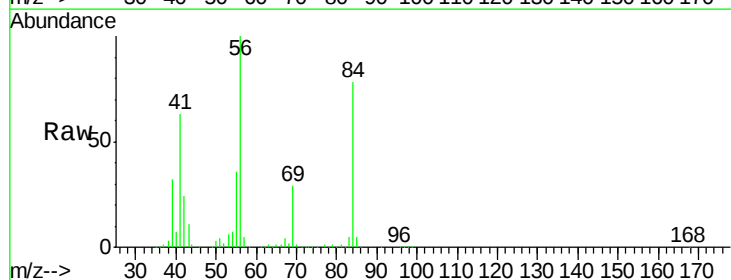
Tgt Ion: 56 Resp: 839820

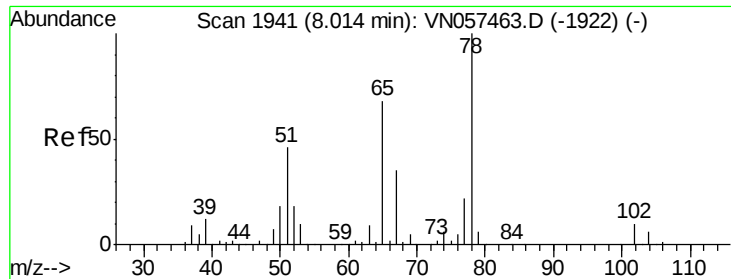
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.6 61.1 91.7





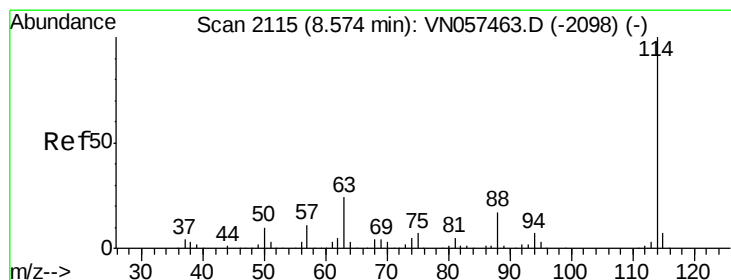
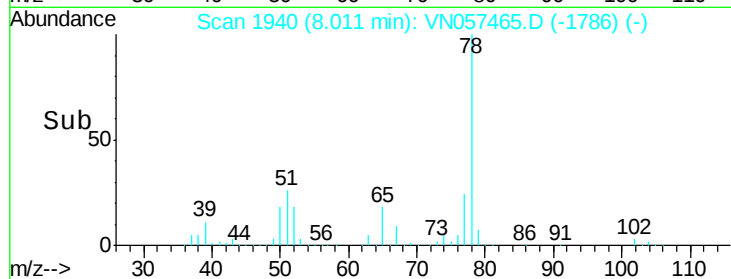
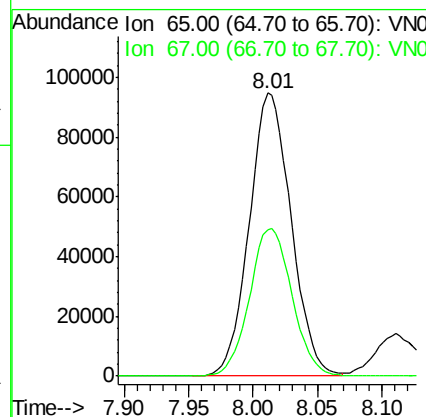
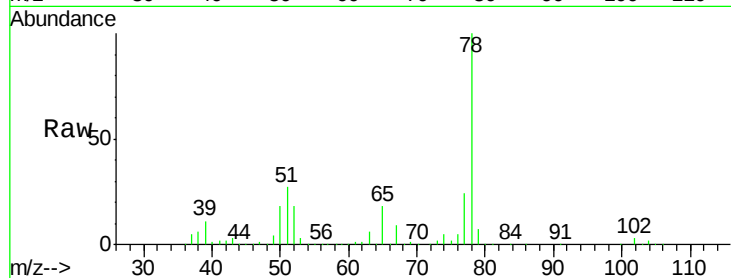
#27
 1,2-Dichloroethane-d4
 Concen: 39.683 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	40.2	60.4

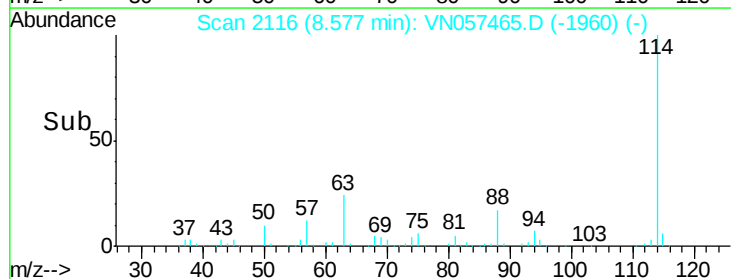
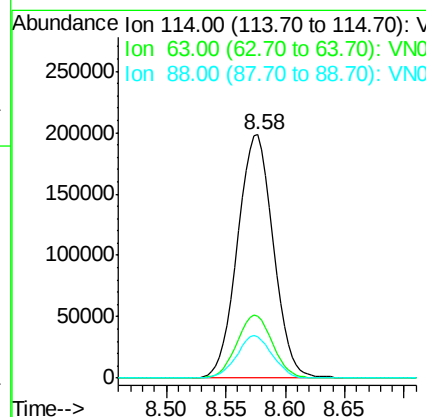
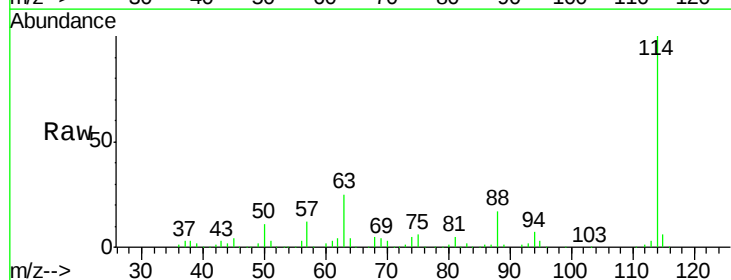
Manual Integrations
 APPROVED

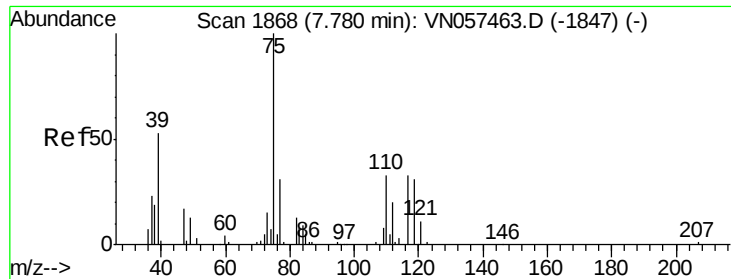
MMDadoda
 8/26/2019 1:12:01 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.6	29.4
88	17.2	13.1	19.7





#29

1,1-Dichloropropene

Concen: 116.001 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

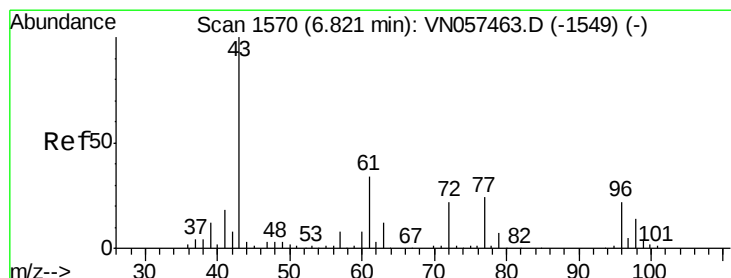
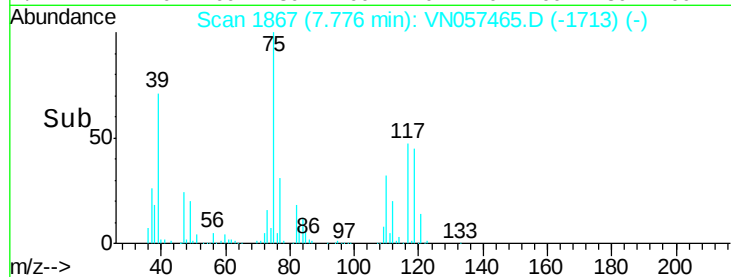
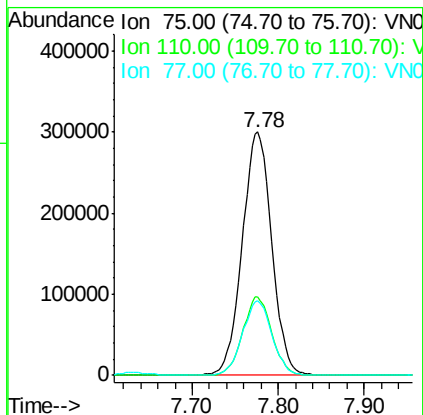
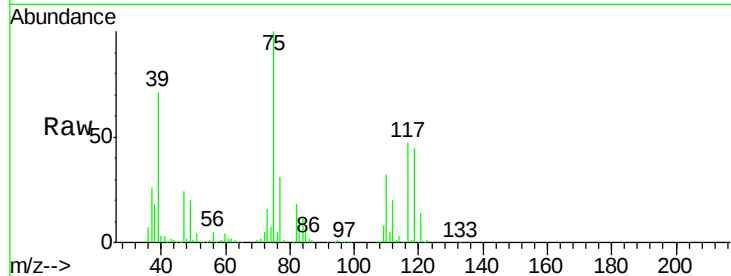
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	715052
Ion Ratio	Lower	Upper	
75	100		
110	31.7	0.0	64.0
77	30.7	0.0	63.4

Manual Integrations
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8/26/2019 1:12:01 PM



#30

2-Butanone

Concen: 651.427 ug/l

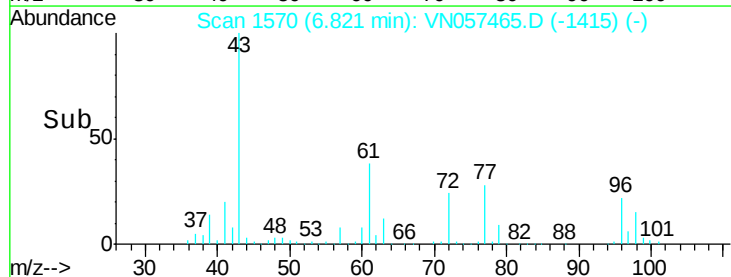
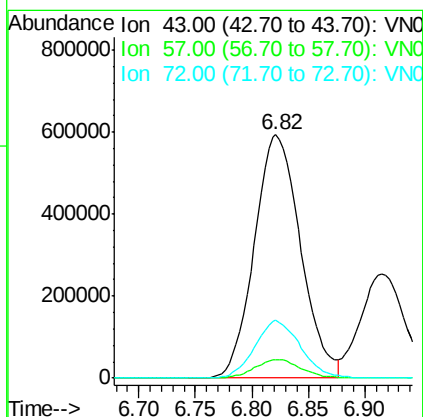
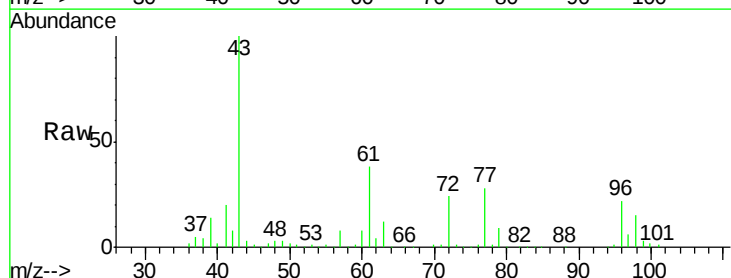
RT: 6.82 min Scan# 1570

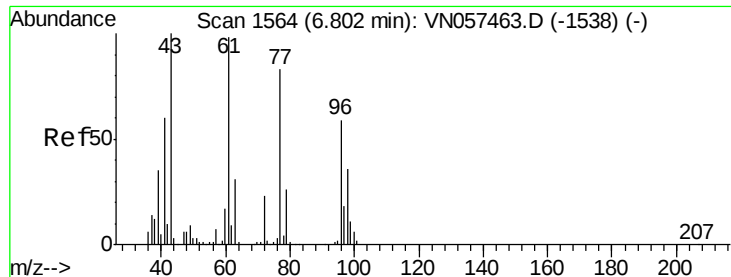
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	43	Resp:	1676341
Ion Ratio	Lower	Upper	
43	100		
57	7.7	5.7	8.5
72	23.4	18.2	27.2





#31

2,2-Dichloropropane

Concen: 116.849 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 797470

Ion Ratio Lower Upper

77 100

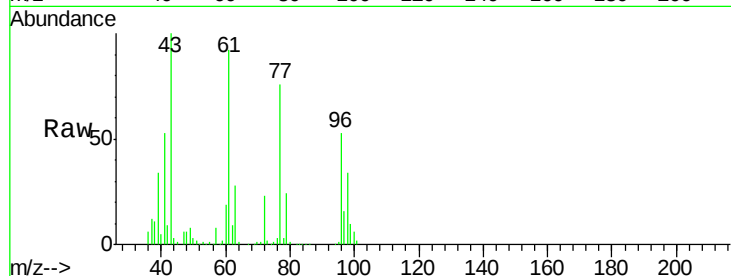
97 21.1 17.0 25.4

Manual Integrations

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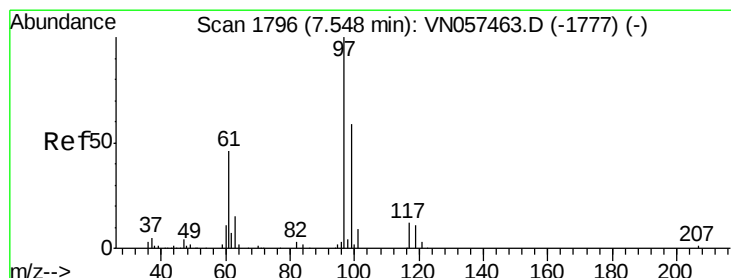
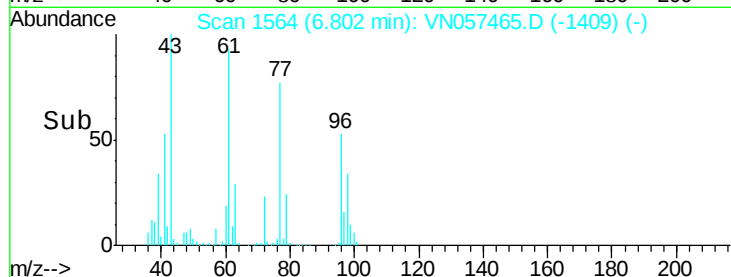
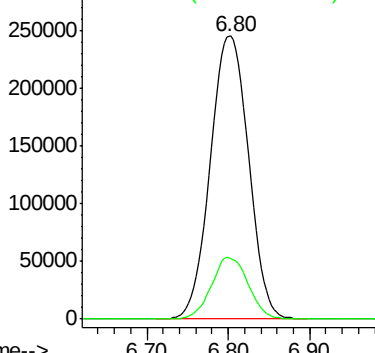
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Abundance Ion 77.00 (76.70 to 77.70): VNO

Ion 97.00 (96.70 to 97.70): VNO



#32

1,1,1-Trichloroethane

Concen: 111.451 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

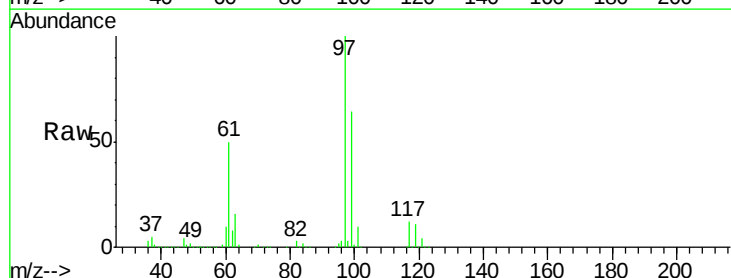
Tgt Ion: 97 Resp: 804435

Ion Ratio Lower Upper

97 100

99 64.0 49.6 74.4

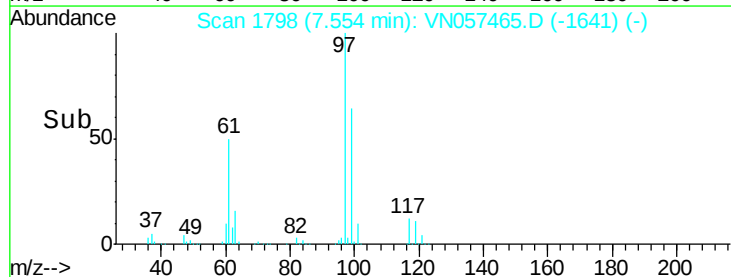
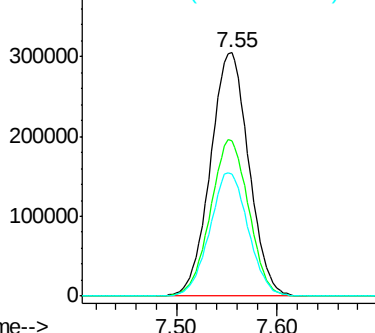
61 50.8 40.9 61.3

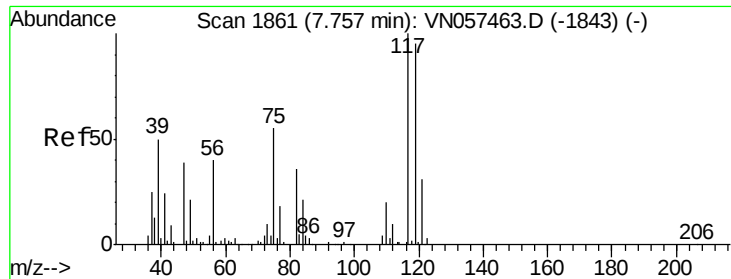


Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 99.00 (98.70 to 99.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





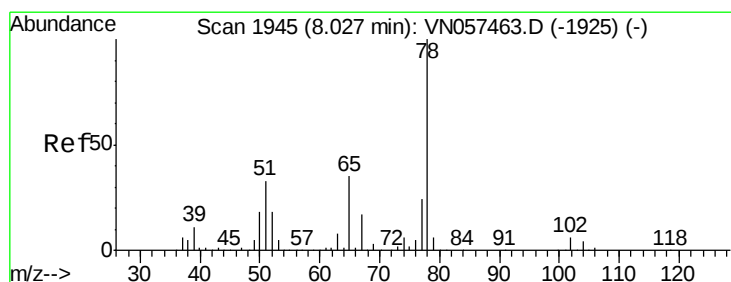
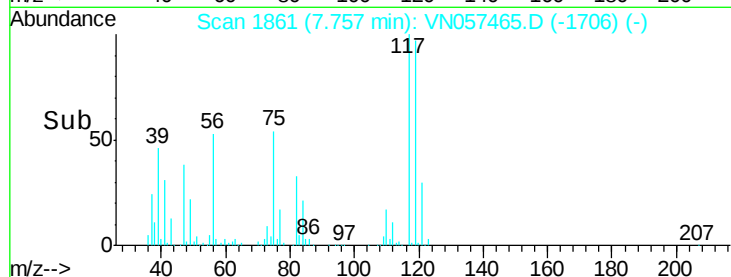
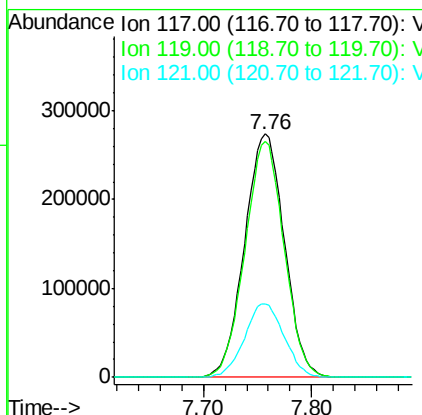
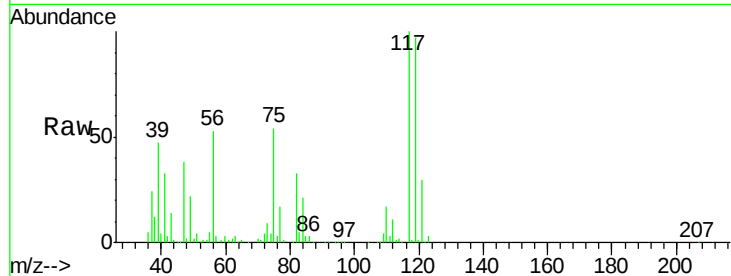
#33
Carbon Tetrachloride
Concen: 110.596 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2
121	29.9	24.8	37.2

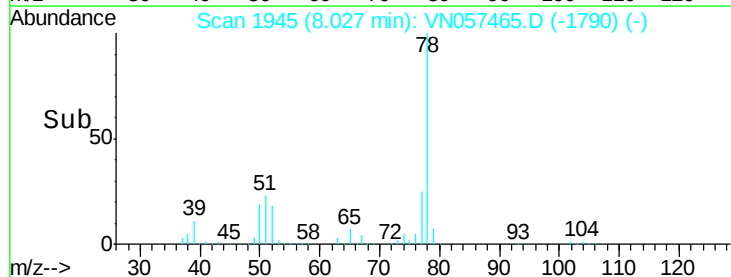
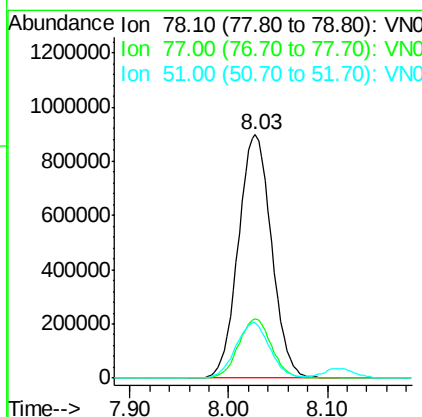
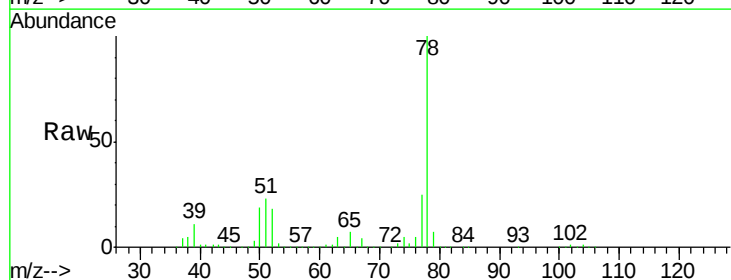
Manual Integrations
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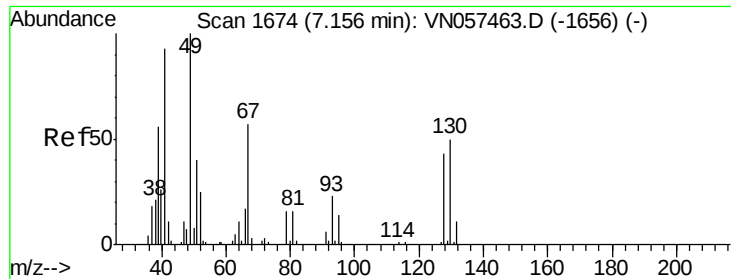
MMDadoda
8/26/2019 1:12:01 PM



#34
Benzene
Concen: 112.379 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3
51	22.6	26.0	39.0





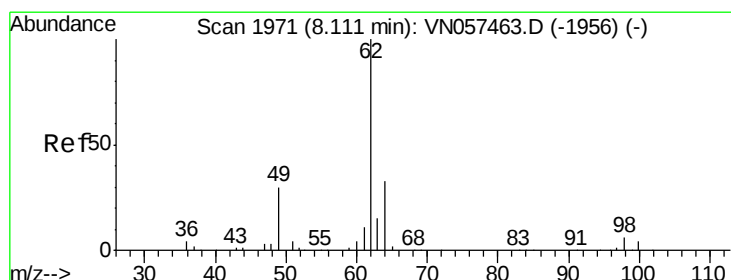
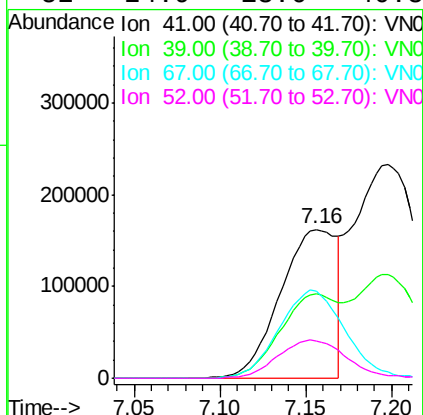
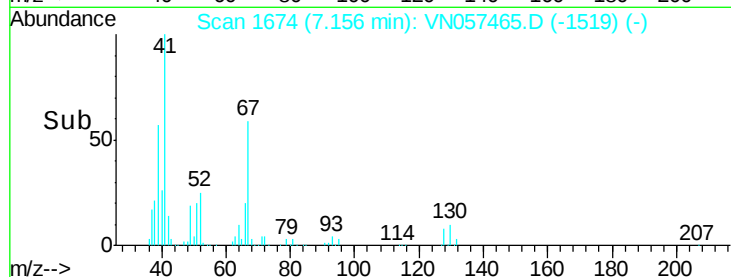
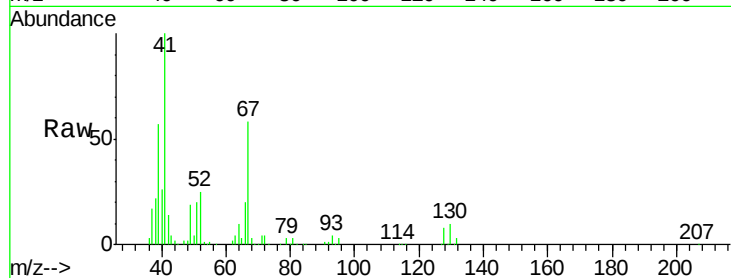
#35
Methacrylonitrile
Concen: 109.558 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	367186
Ion Ratio	Lower	Upper	
41	100		
39	56.3	30.5	91.5
67	58.5	30.9	92.5
52	24.9	13.6	40.8

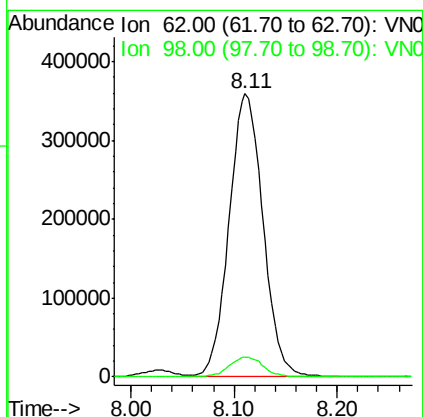
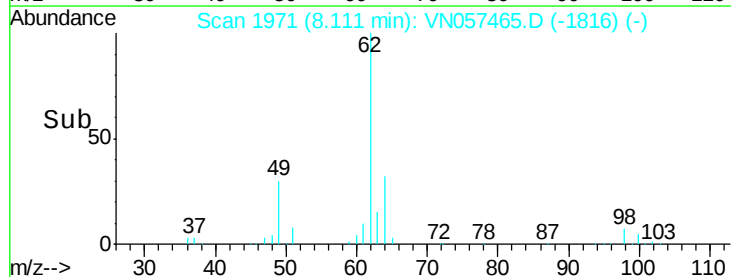
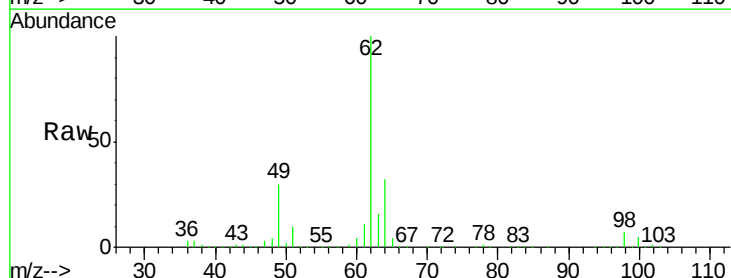
Manual Integrations
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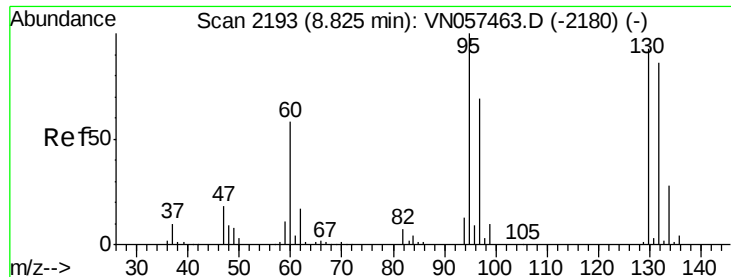
MMDadoda
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#36
1,2-Dichloroethane
Concen: 130.185 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	62	Resp	822384
Ion Ratio	Lower	Upper	
62	100		
98	7.1	2.8	4.2#





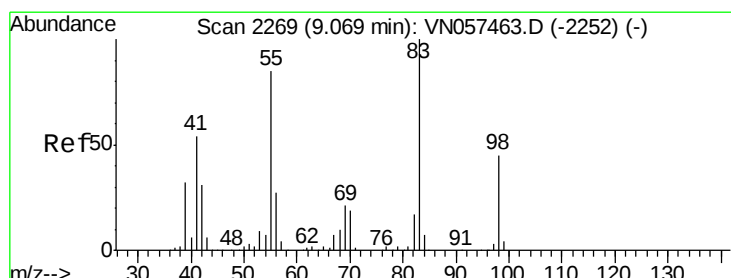
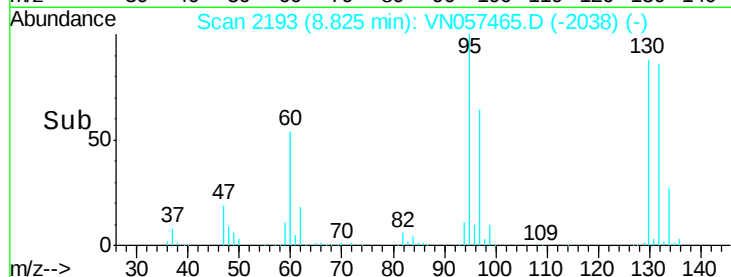
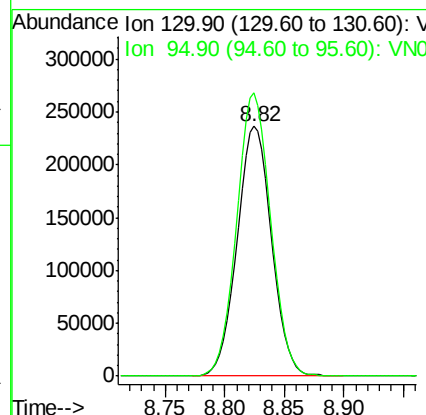
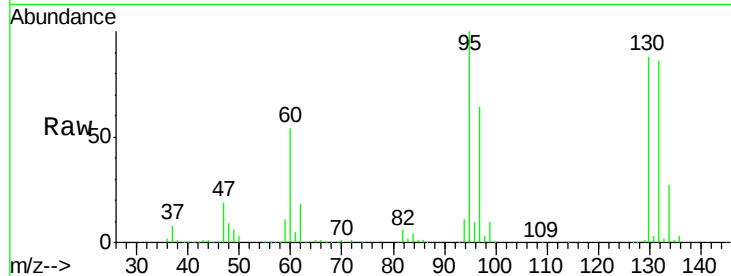
#37
 Trichloroethene
 Concen: 91.856 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
130	100	475132		
95	113.2	86.4	129.6	

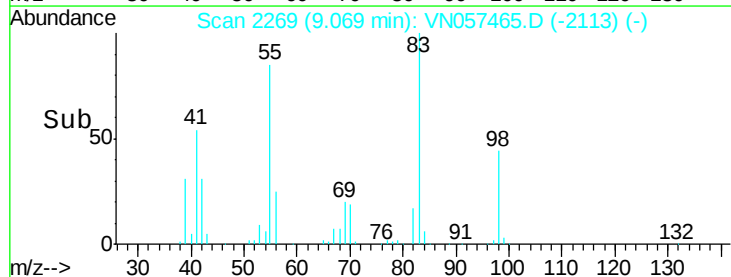
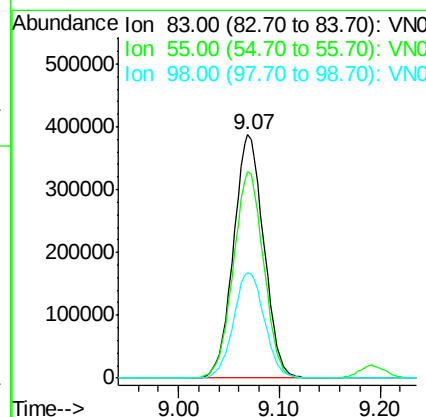
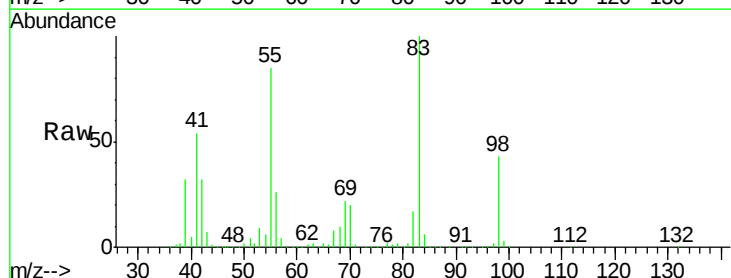
Manual Integrations
 APPROVED

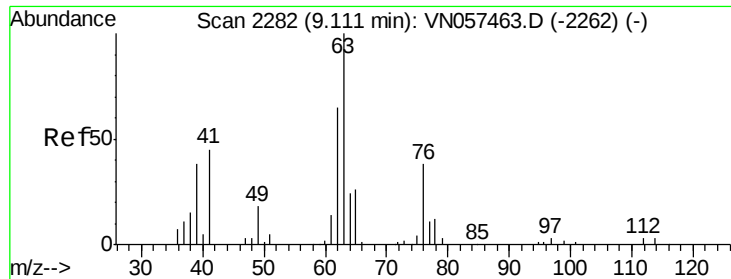
MMDadoda
 8/26/2019 1:12:01 PM



#38
 Methylcyclohexane
 Concen: 112.375 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	808131		
55	84.5	43.3	129.8	
98	44.4	22.8	68.4	





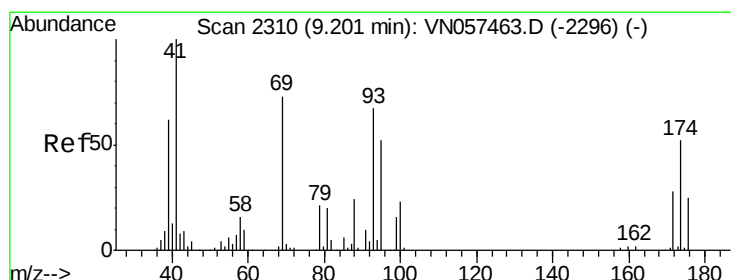
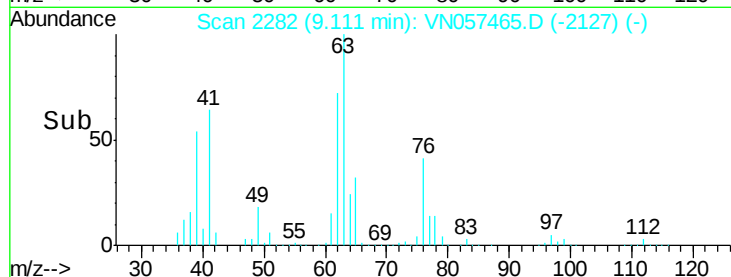
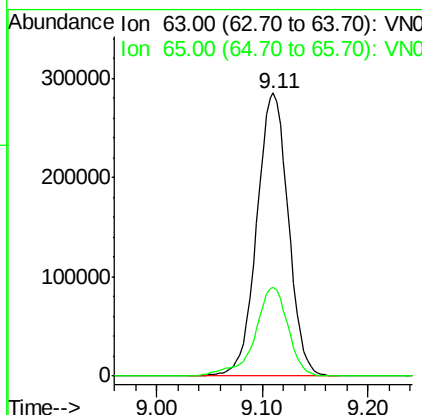
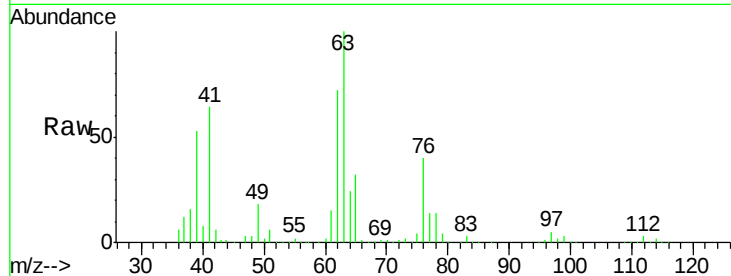
#39
 1,2-Dichloropropane
 Concen: 121.959 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 593963
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 32.4

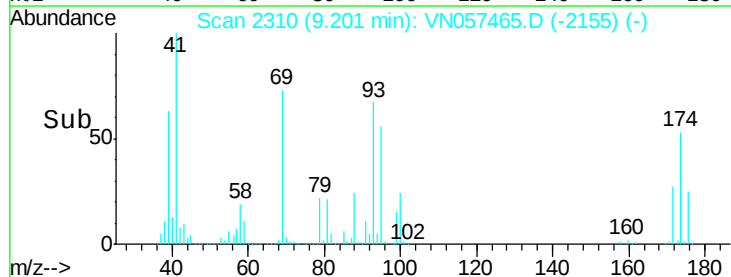
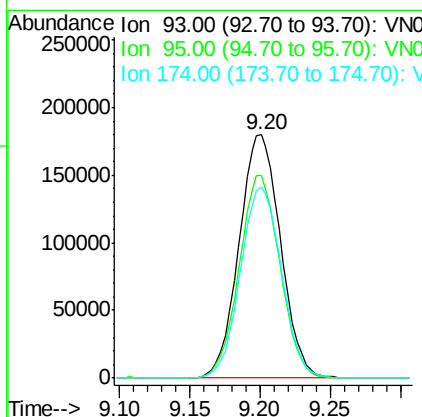
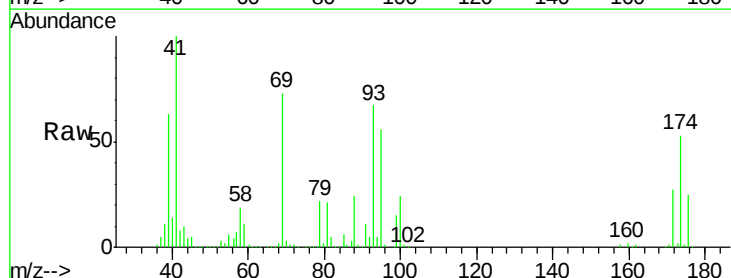
Manual Integrations
 APPROVED

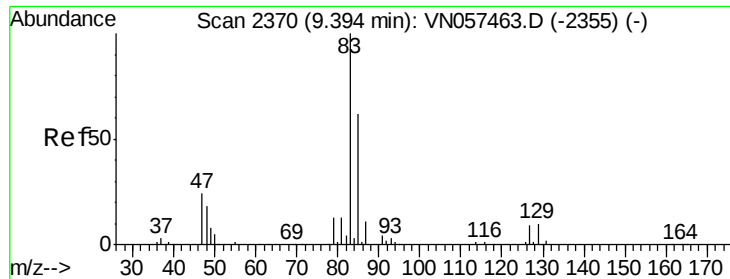
MMDadoda
 8/26/2019 1:12:01 PM



#40
 Dibromomethane
 Concen: 116.667 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 93 Resp: 370071
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 160.8
 174 77.8 0.0 157.2





#41

Bromodichloromethane

Concen: 122.865 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

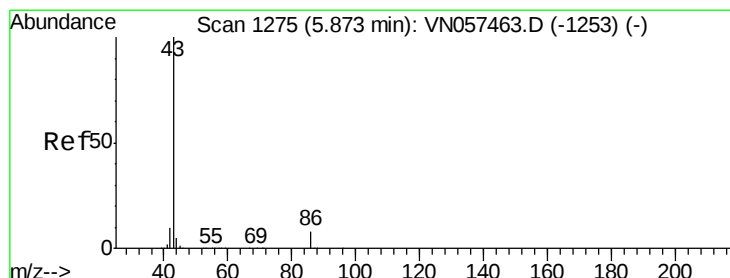
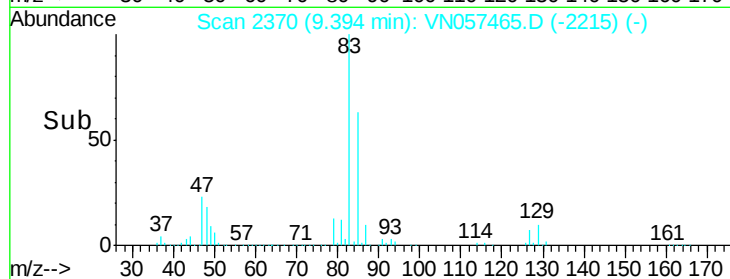
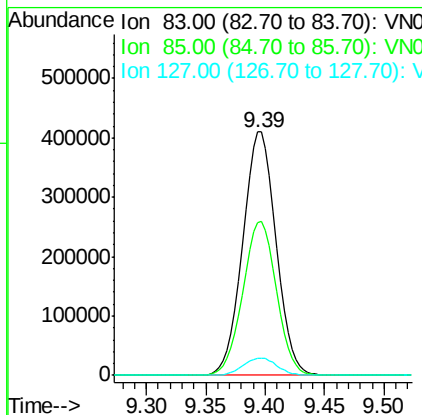
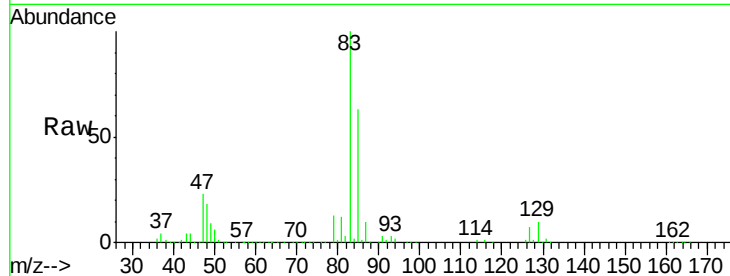
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	794295
Ion Ratio	Lower	Upper	
83	100		
85	63.0	49.8	74.8
127	7.2	7.6	11.4#

Manual Integrations
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MMDadoda
8/26/2019 1:12:01 PM



#42

Vinyl Acetate

Concen: 708.750 ug/l

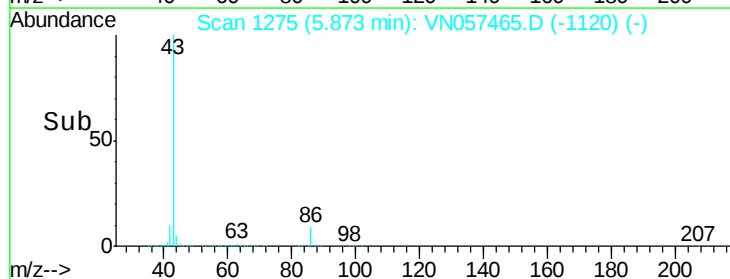
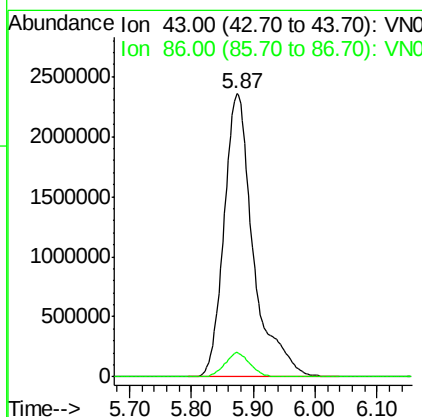
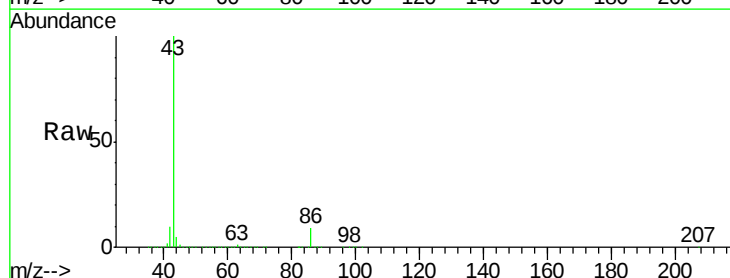
RT: 5.87 min Scan# 1275

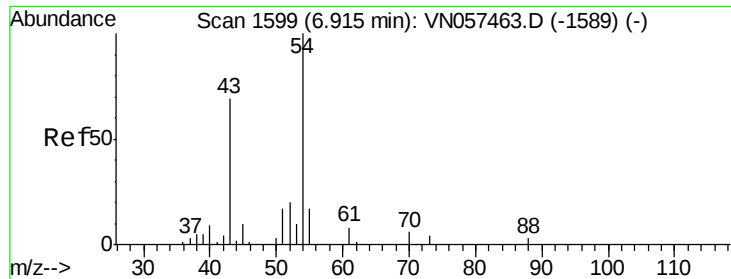
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	43	Resp:	7725930
Ion Ratio	Lower	Upper	
43	100		
86	7.4	5.7	8.5





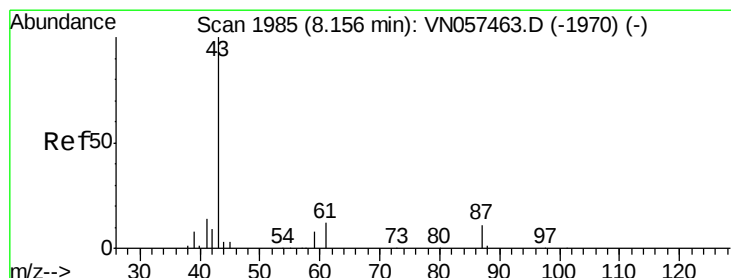
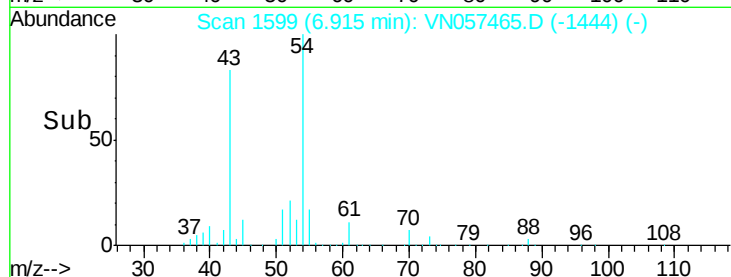
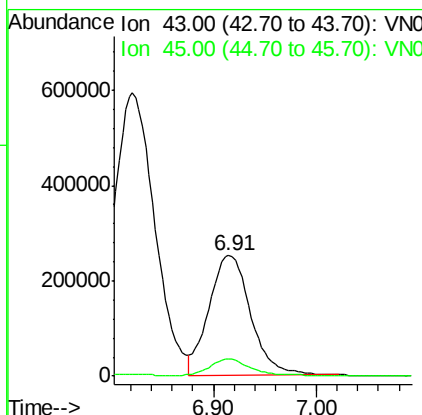
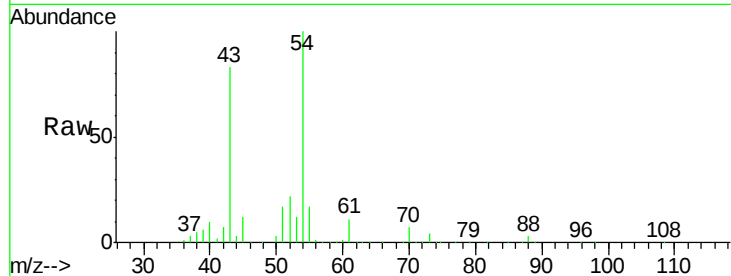
#43
Ethyl Acetate
Concen: 135.595 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 702776
Ion Ratio Lower Upper
43 100
45 13.3 11.0 16.4

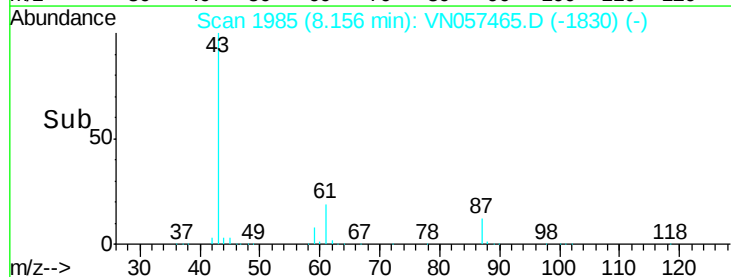
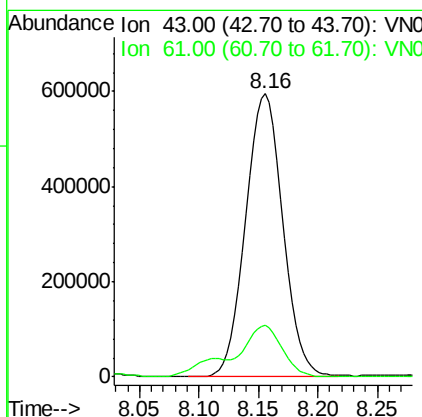
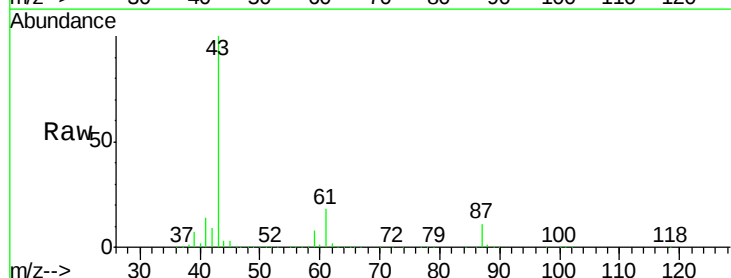
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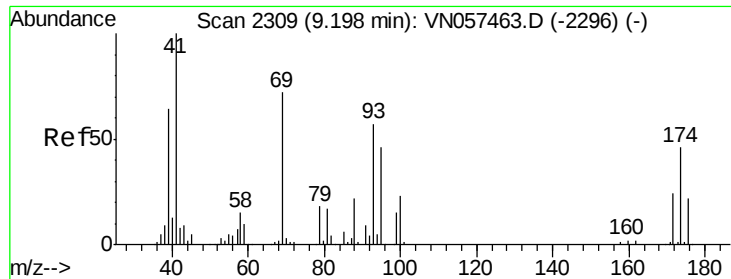
MMDadoda
8/26/2019 1:12:01 PM



#44
Isopropyl Acetate
Concen: 138.719 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 43 Resp: 1287490
Ion Ratio Lower Upper
43 100
61 17.5 0.1 0.1#





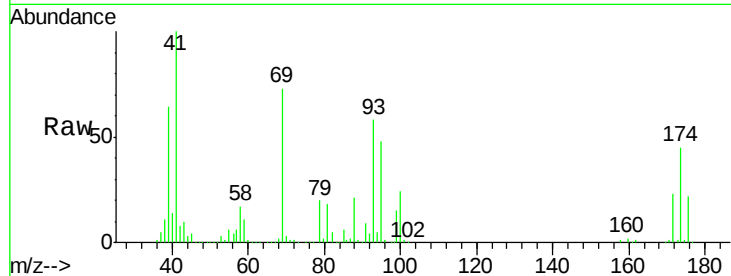
#45
 1,4-Dioxane
 Concen: 1955.470 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

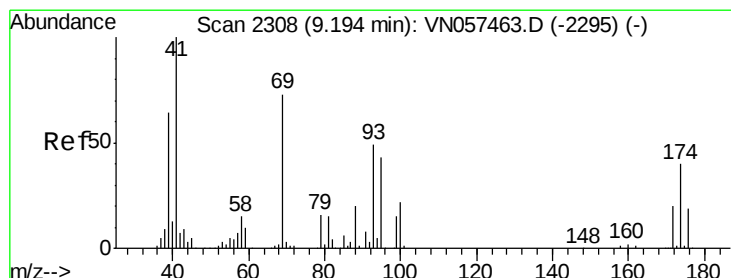
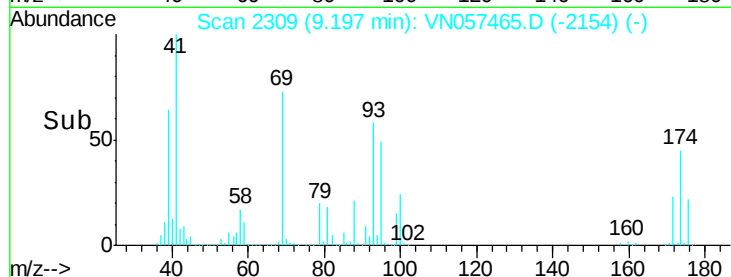
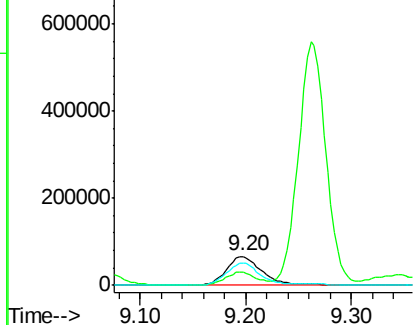
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.1	29.8	44.6	
58	72.6	62.2	93.2	

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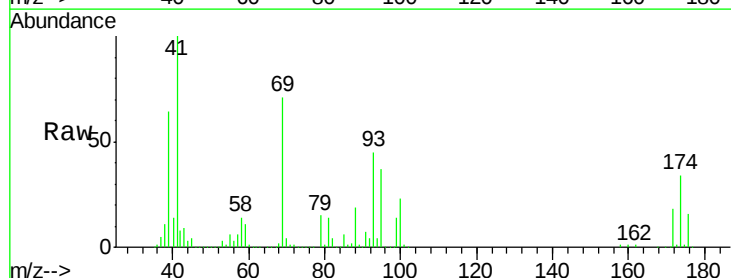


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

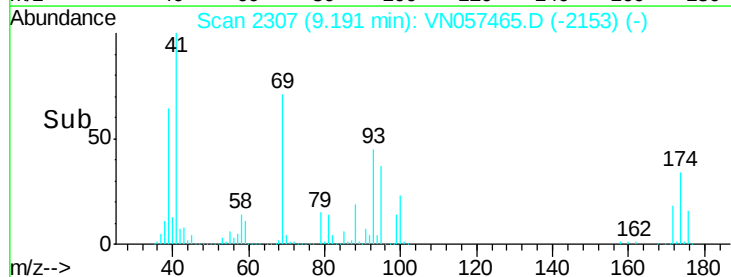
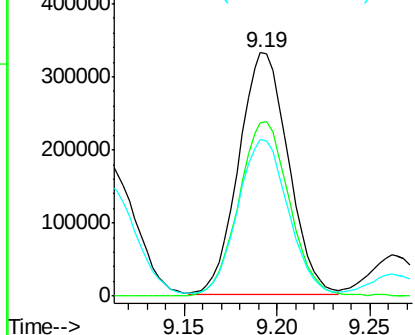


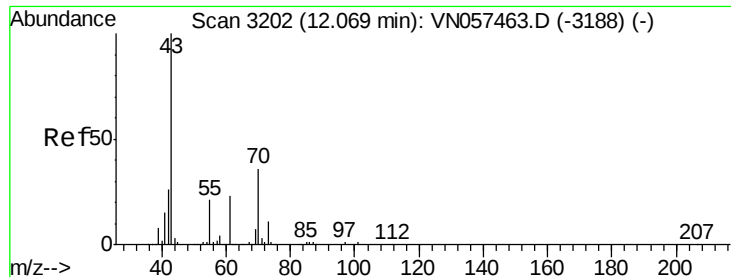
#46
 Methyl methacrylate
 Concen: 146.085 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	71.8	36.5	109.5	
39	64.0	32.1	96.3	



Abundance Ion 41.00 (40.70 to 41.70): VNO
 Ion 69.00 (68.70 to 69.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





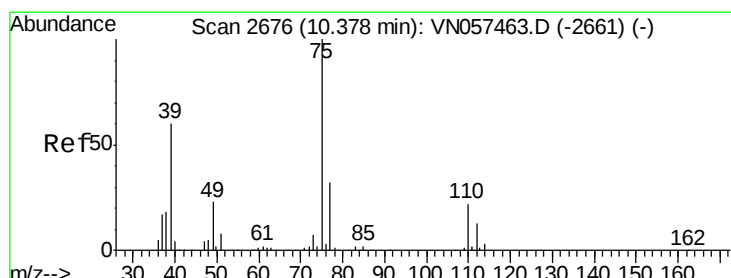
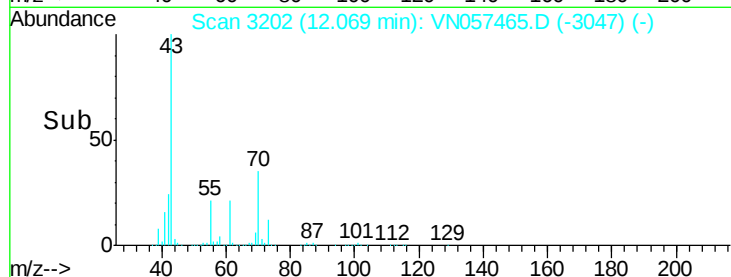
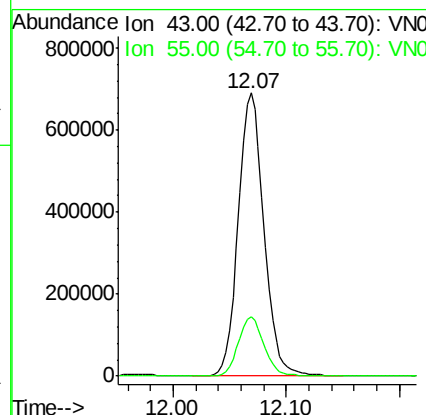
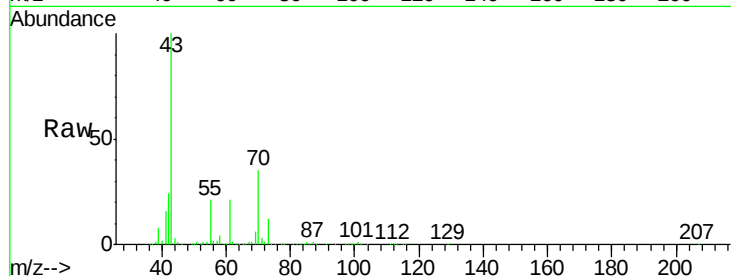
#47
n-amvl Acetate
Concen: 155.764 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1088223
Ion Ratio Lower Upper
43 100
55 20.8 17.0 25.6

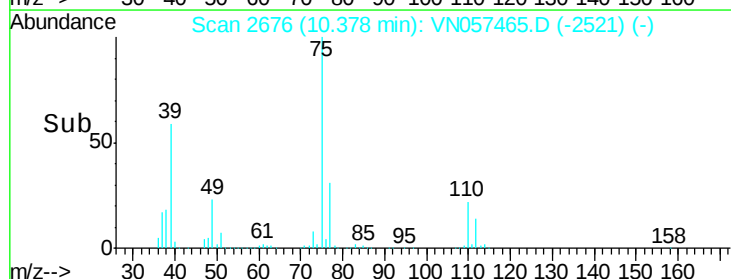
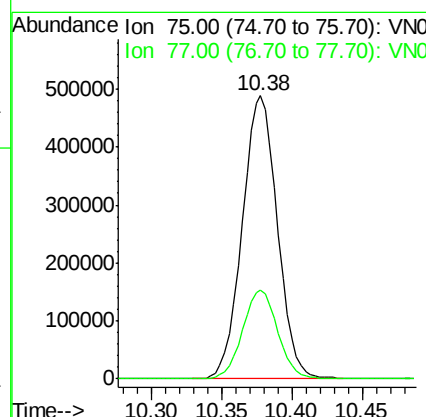
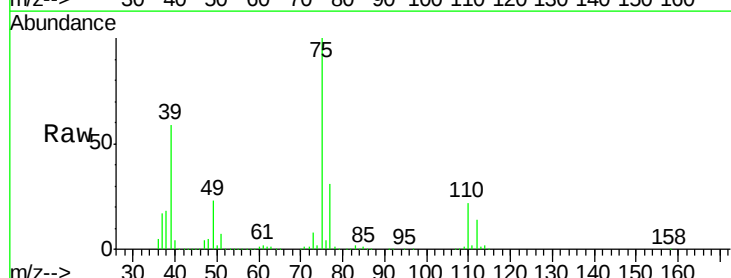
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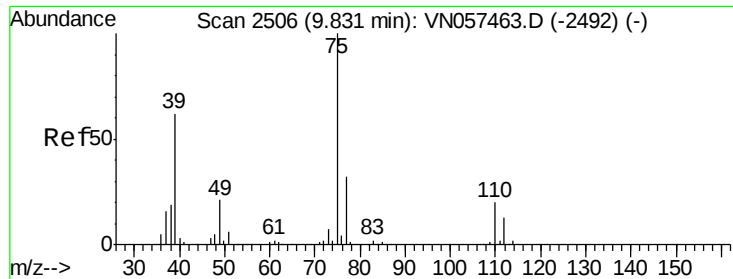
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 122.598 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 75 Resp: 851027
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5





#49

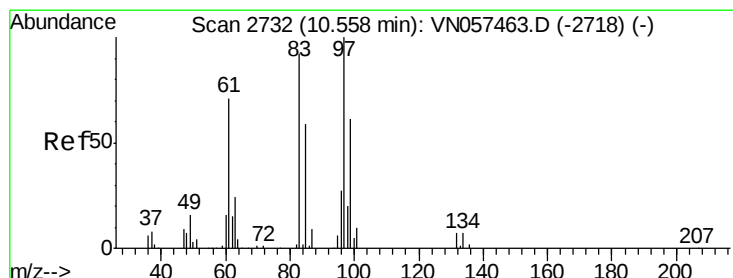
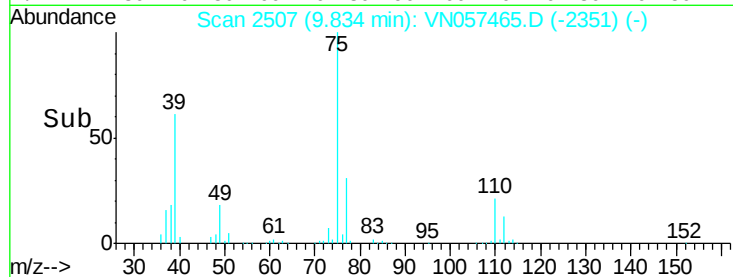
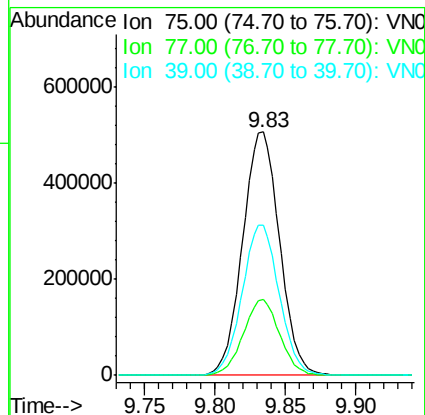
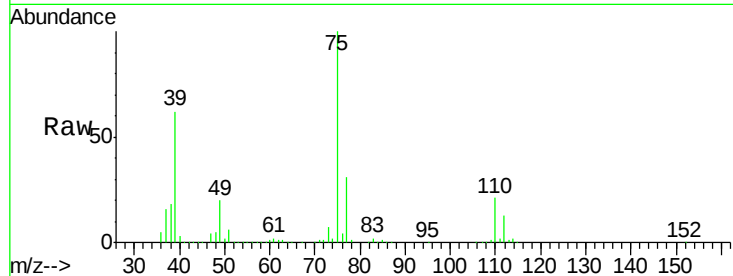
cis-1,3-Dichloropropene
 Concen: 120.584 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	61.4	49.8	74.6

Manual Integrations
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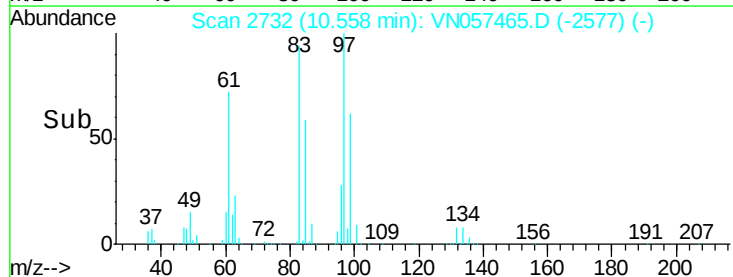
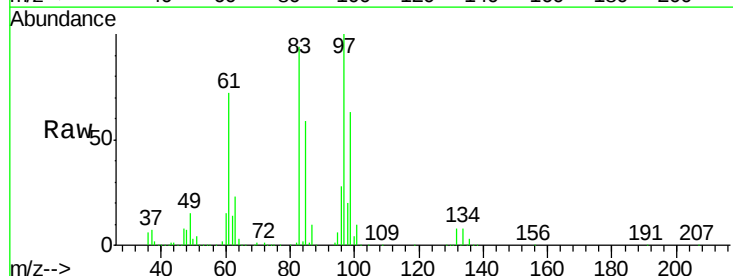
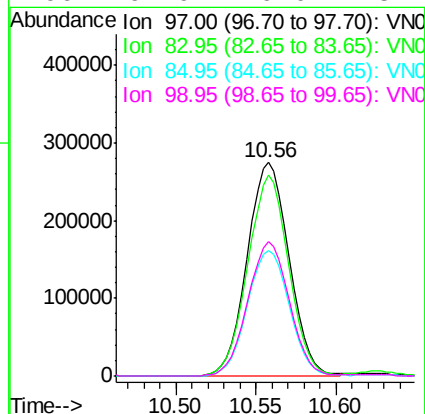
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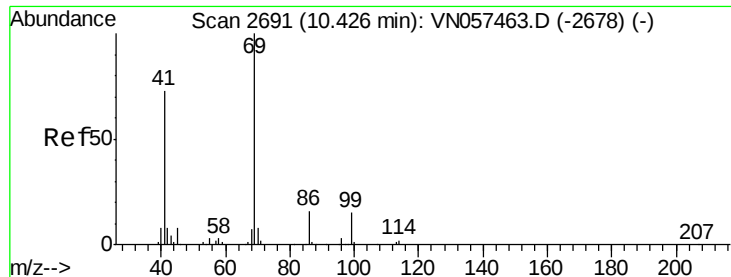


#50

1,1,2-Trichloroethane
 Concen: 108.673 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.9	73.2	109.8
85	59.0	47.1	70.7
99	62.9	49.0	73.4





#51

Ethyl methacrylate

Concen: 124.143 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

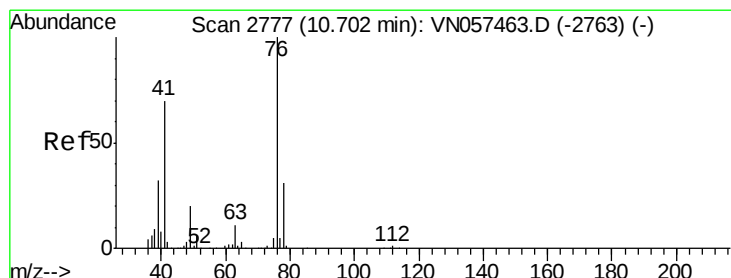
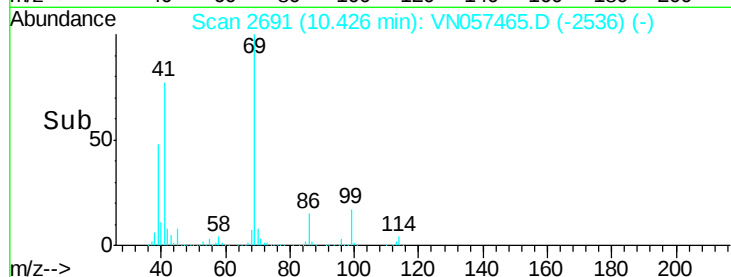
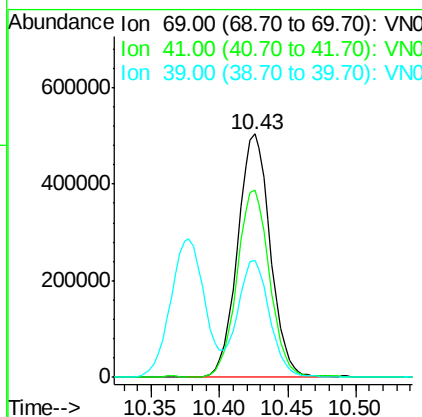
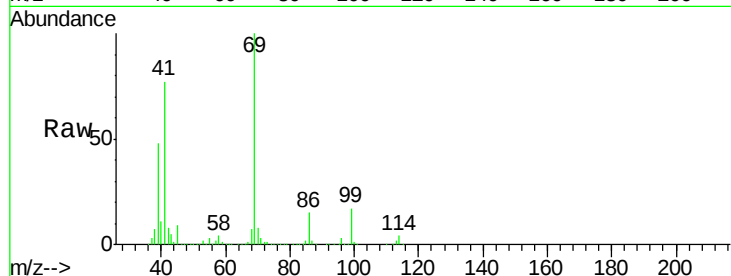
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	837007
Ion	Ratio	Lower	Upper
69	100		
41	76.6	37.0	111.1
39	47.9	24.4	73.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 118.070 ug/l

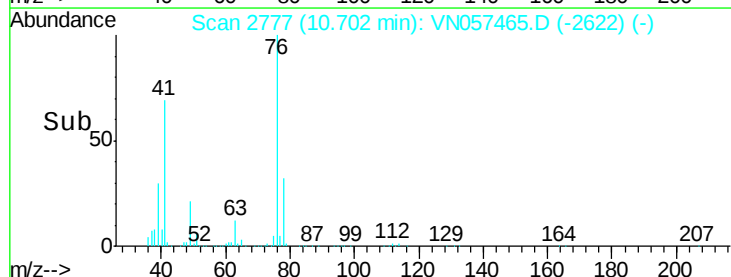
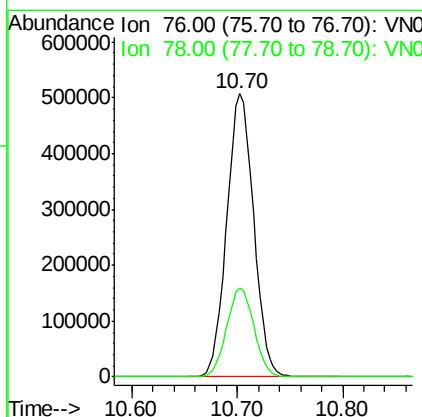
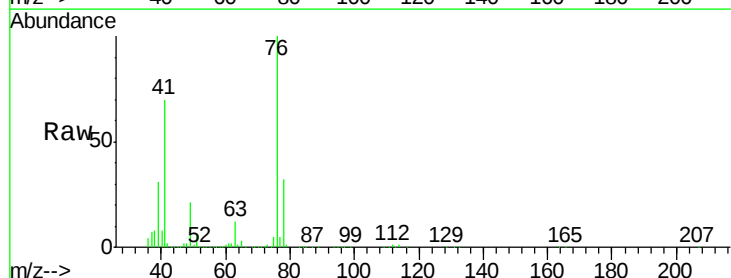
RT: 10.70 min Scan# 2777

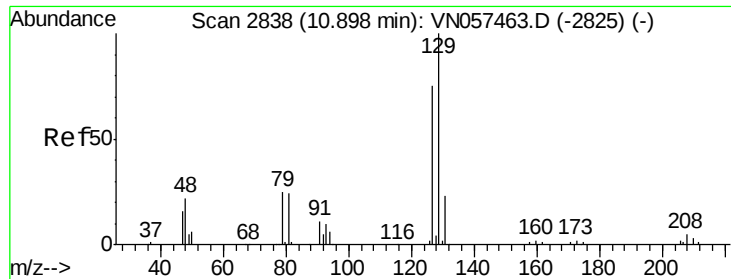
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	76	Resp:	894630
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.0





#53

Dibromochloromethane

Concen: 106.656 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 546327

Ion Ratio Lower Upper

129 100

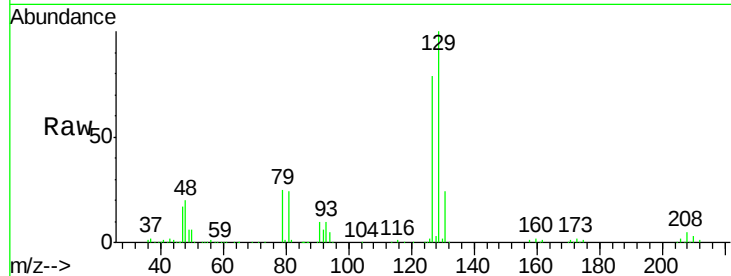
127 78.0 38.1 114.3

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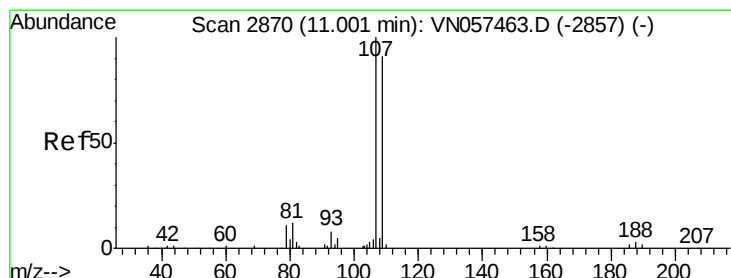
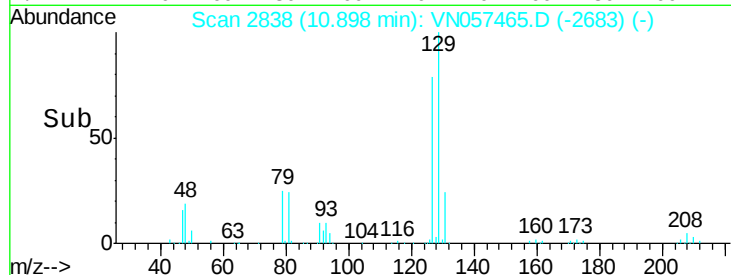
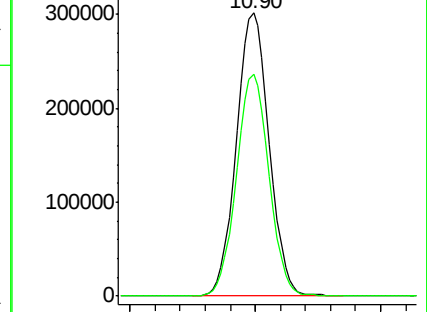
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 107.942 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057465.D

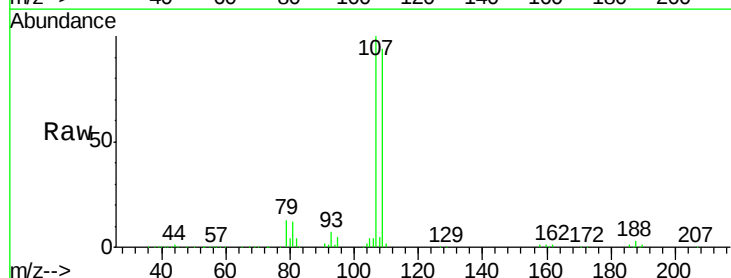
Acq: 23 Aug 2019 10:28

Tgt Ion:107 Resp: 508447

Ion Ratio Lower Upper

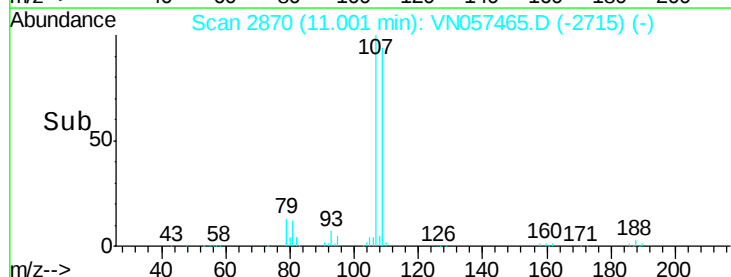
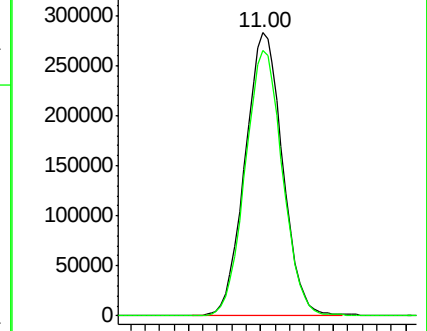
107 100

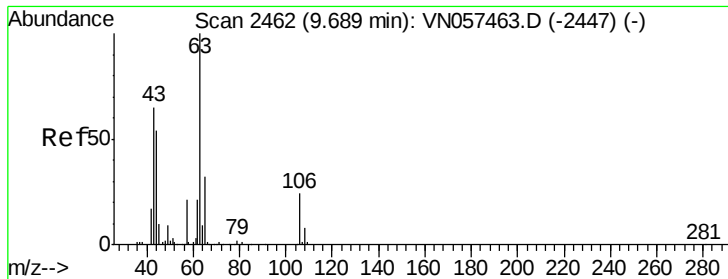
109 93.5 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





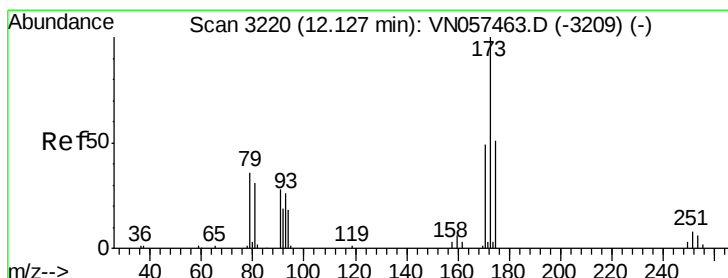
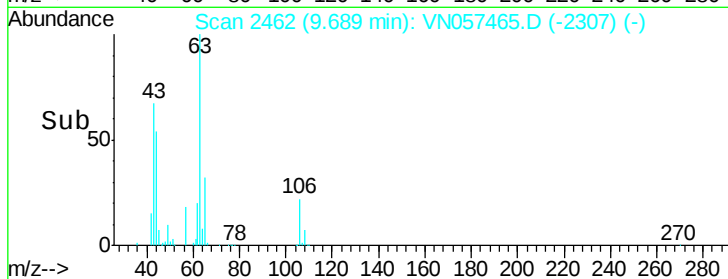
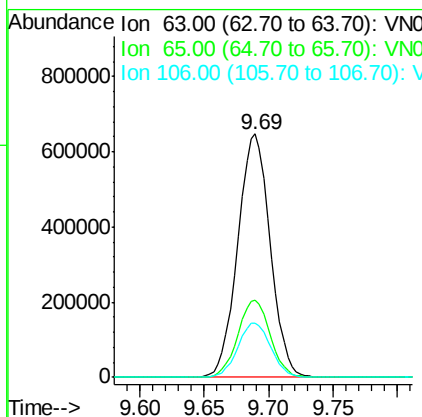
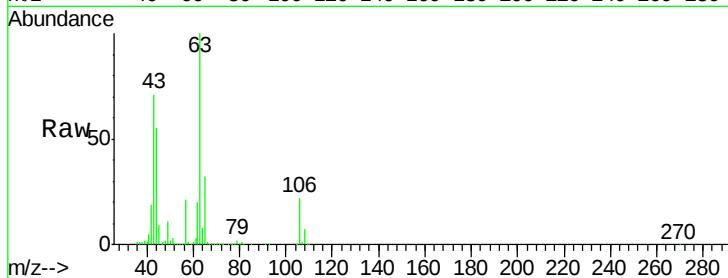
#55
 2-Chloroethyl vinyl ether
 Concen: 718.785 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.1	37.7
106	22.7	18.7	28.1

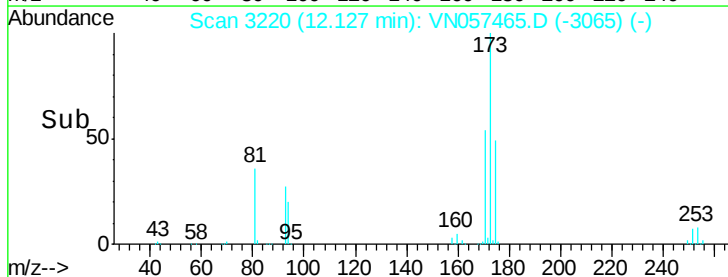
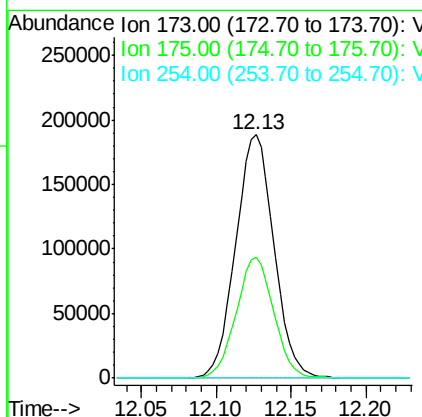
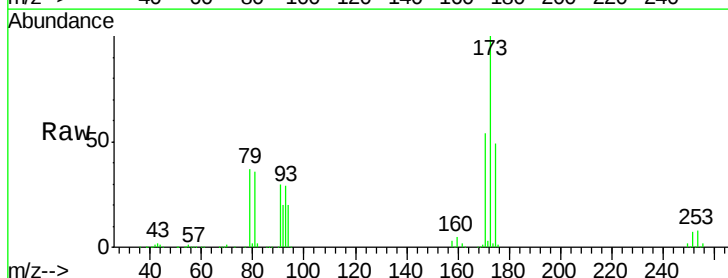
Manual Integrations
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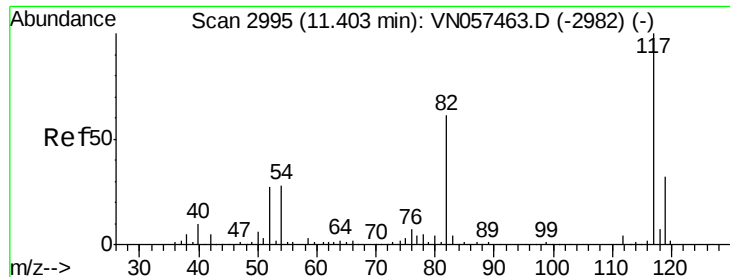
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#56
 Bromoform
 Concen: 89.936 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	40.1	60.1
254	0.1	0.0	0.0#





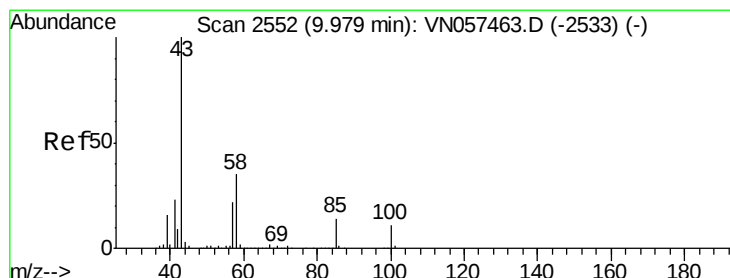
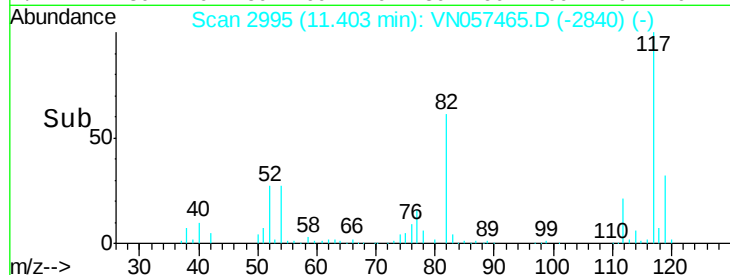
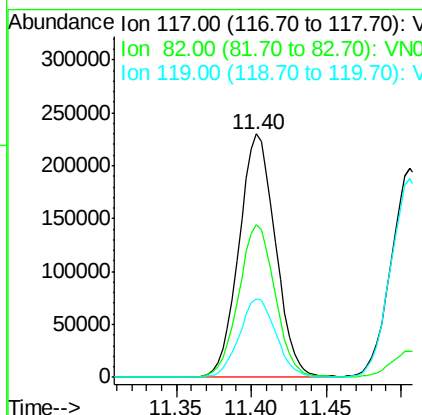
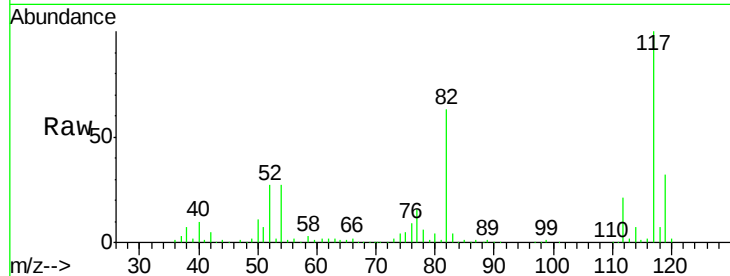
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	50.4	75.6
119	32.4	25.4	38.2

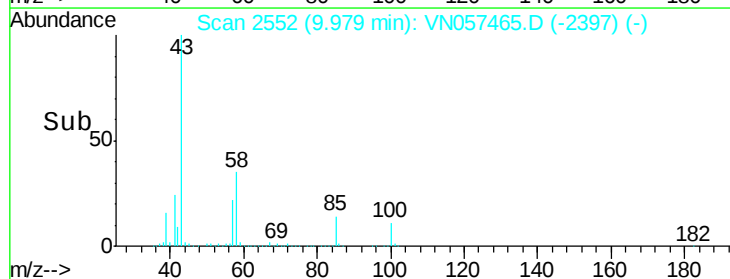
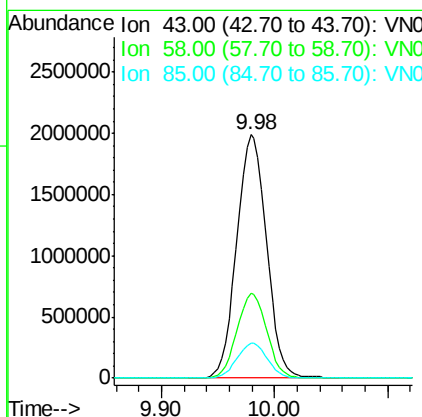
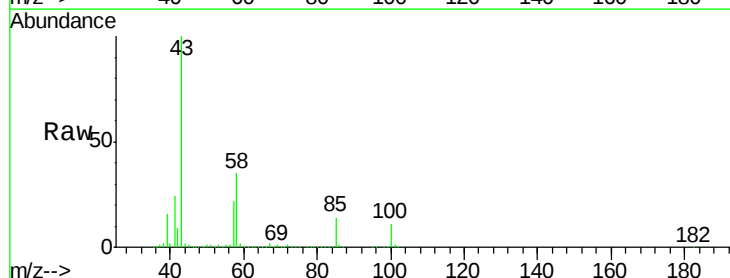
Manual Integrations
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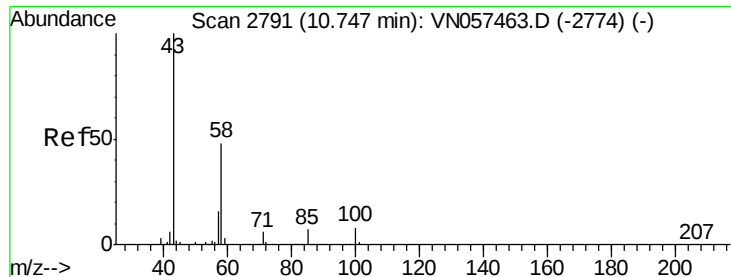
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 648.435 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.0	42.0
85	14.5	11.3	16.9





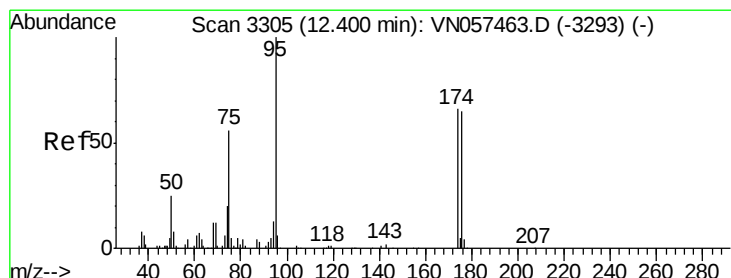
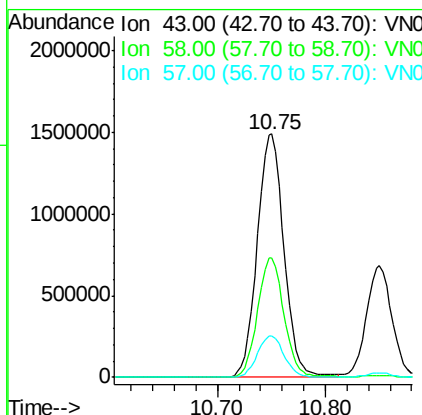
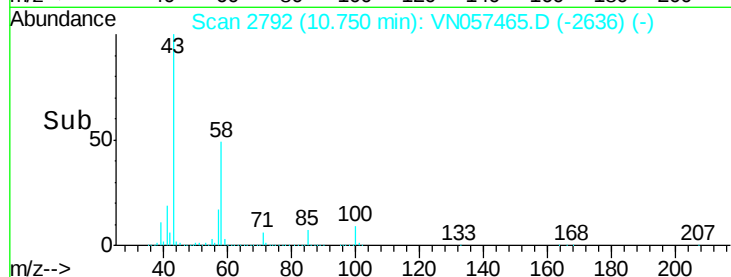
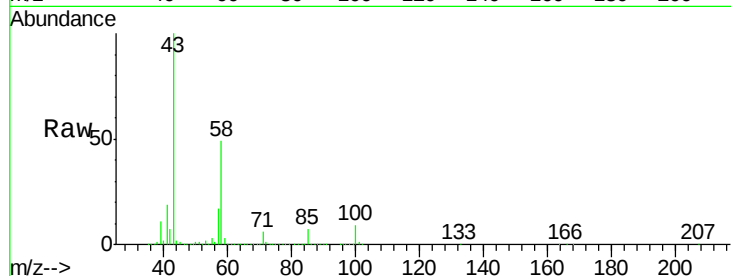
#59
2-Hexanone
Concen: 637.783 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.9	58.3
57	17.0	13.0	19.4

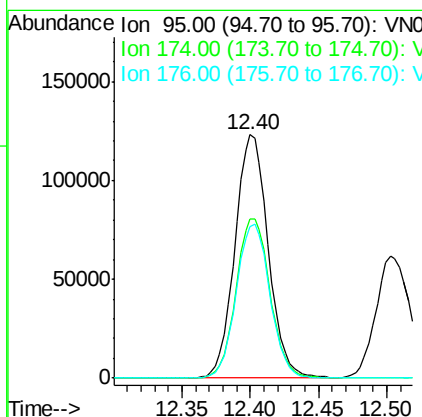
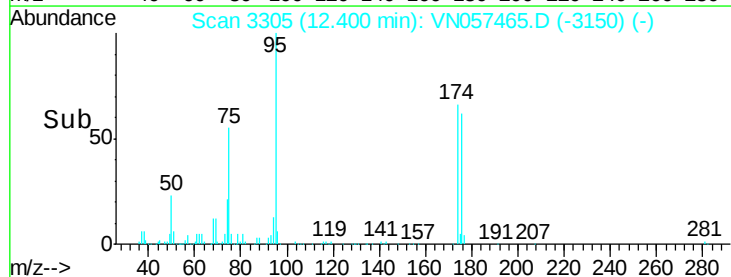
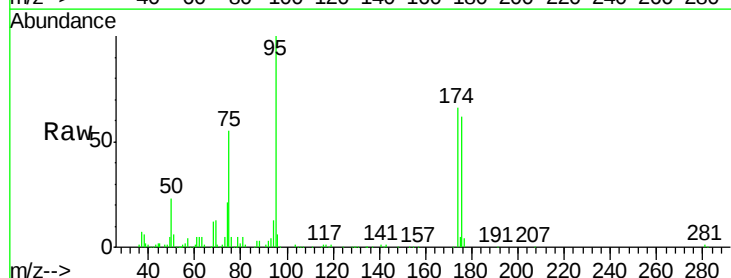
Manual Integrations
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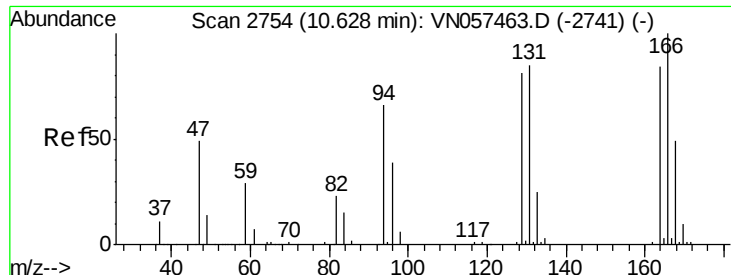
MMDadoda
8/26/2019 1:12:01 PM



#60
4-Bromofluorobenzene
Concen: 35.630 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.0	54.9	82.3
176	63.8	54.2	81.4





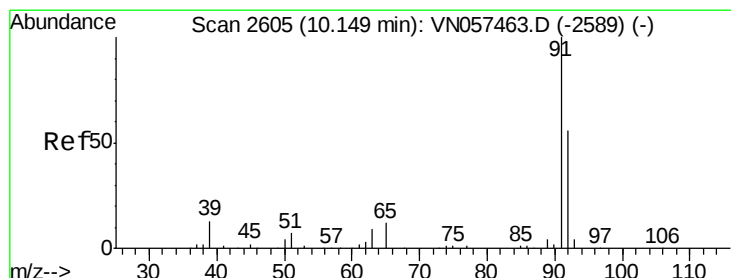
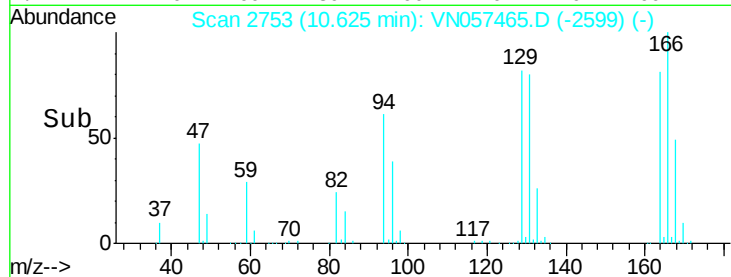
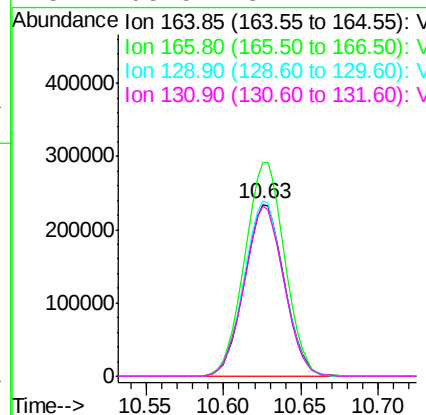
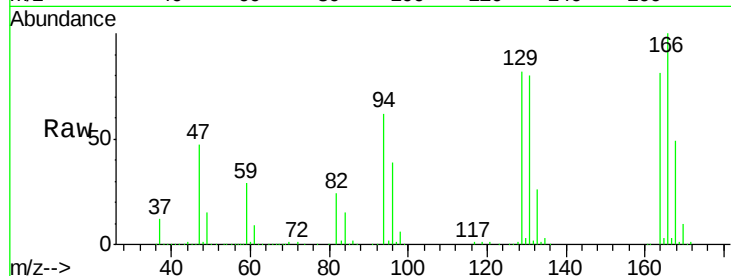
#61
Tetrachloroethene
Concen: 77.556 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	124.0	95.8	143.6	
129	101.6	77.2	115.8	
131	98.5	81.1	121.7	

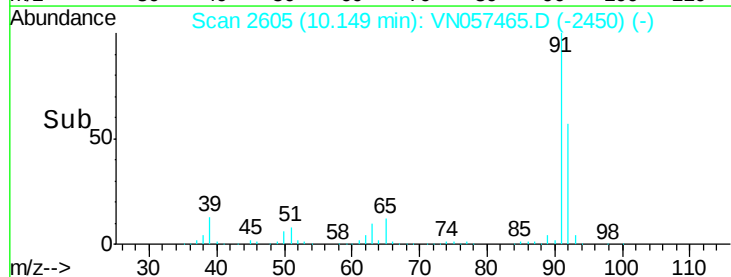
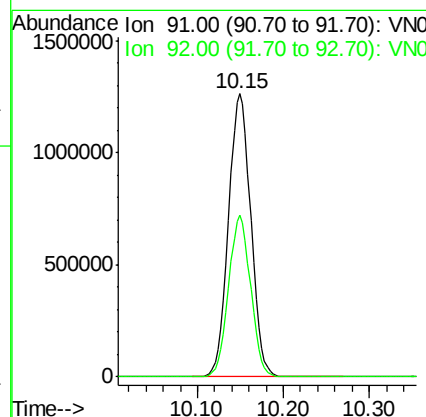
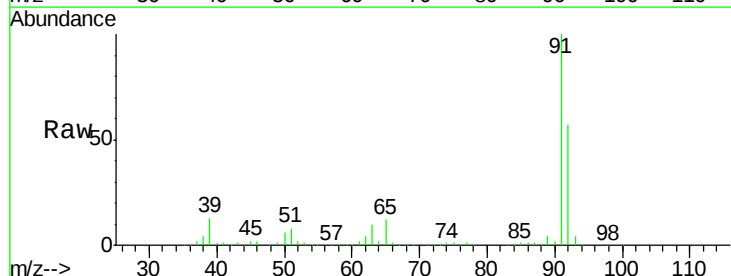
Manual Integrations
APPROVED

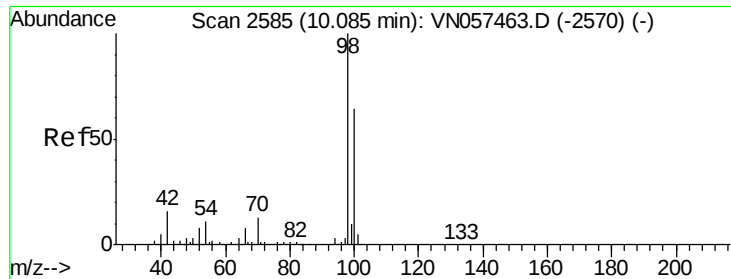
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#62
Toluene
Concen: 103.993 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.3	45.4	68.0	





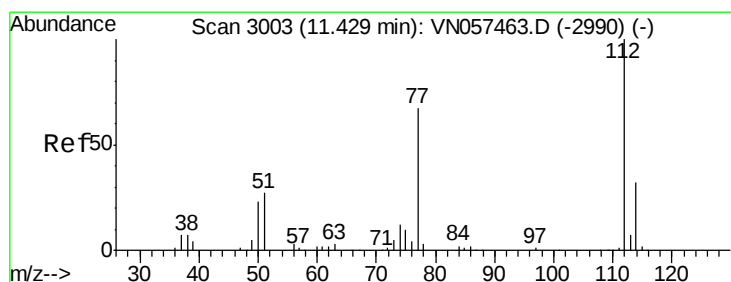
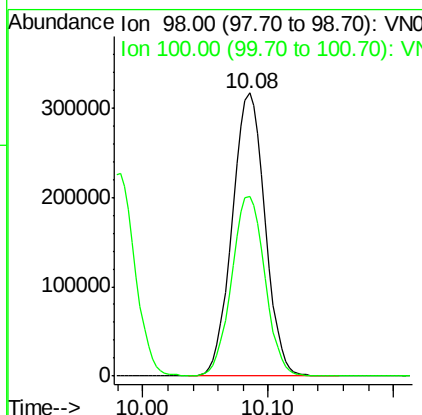
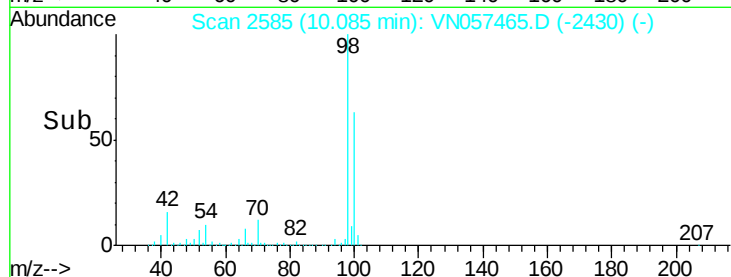
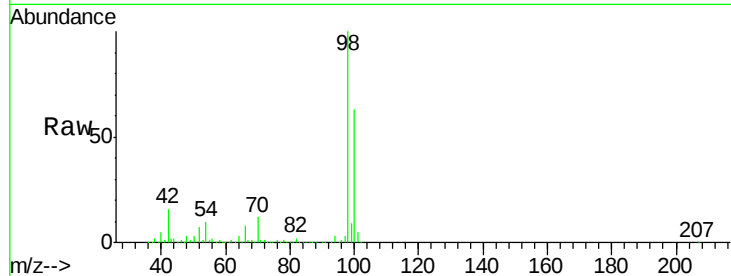
#63
Toluene-d8
Concen: 31.855 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 576290
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6

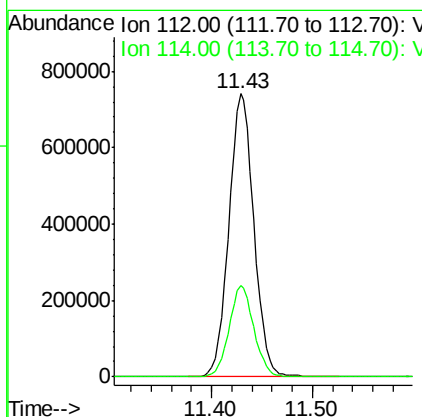
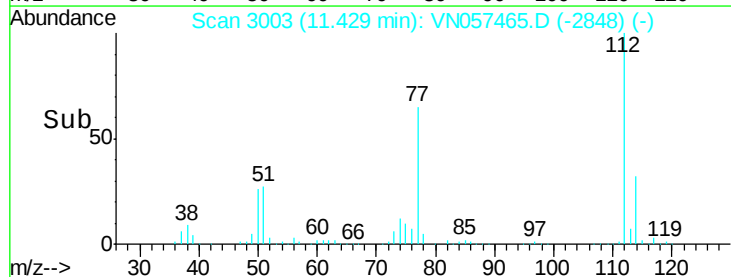
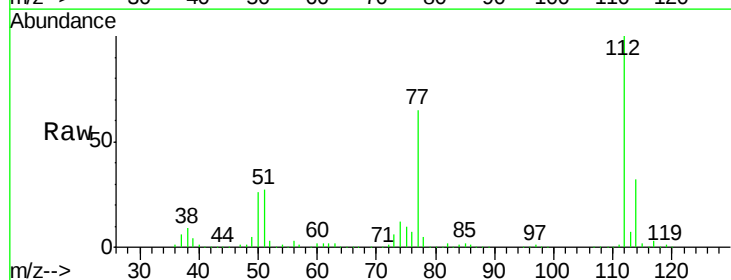
Manual Integrations
APPROVED

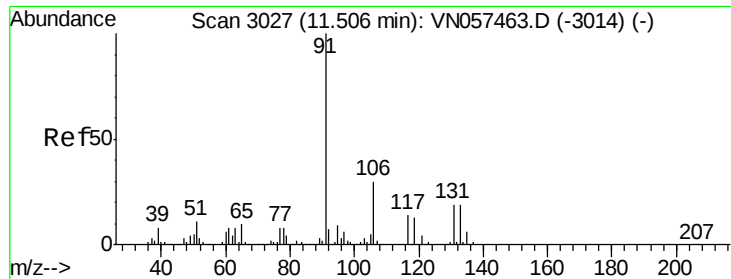
MMDadoda
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#64
Chlorobenzene
Concen: 95.569 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 112 Resp: 1277679
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 92.121 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

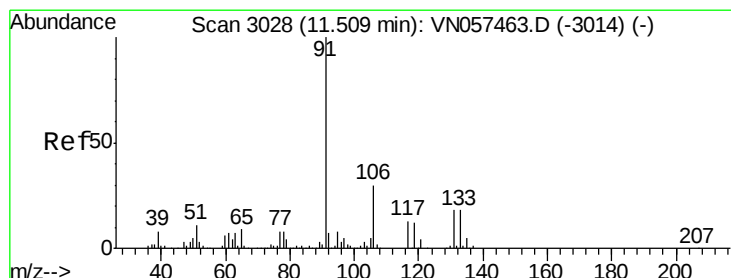
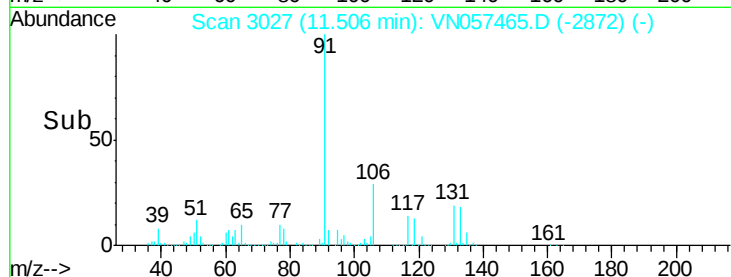
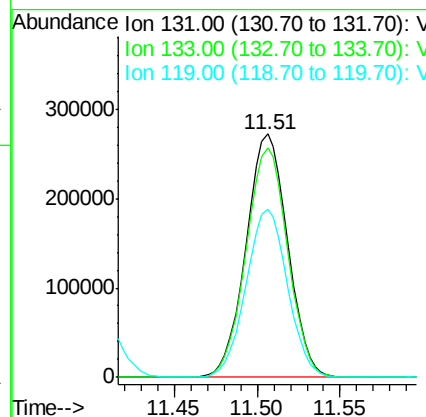
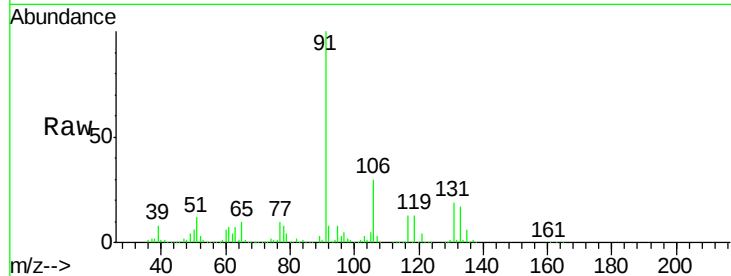
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	474407
Ion Ratio	Lower	Upper	
131	100		
133	94.6	0.0	193.6
119	68.9	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 104.453 ug/l

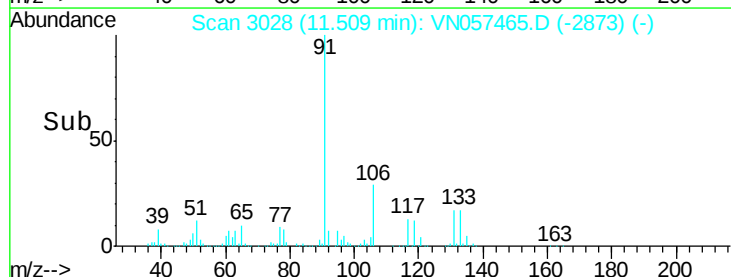
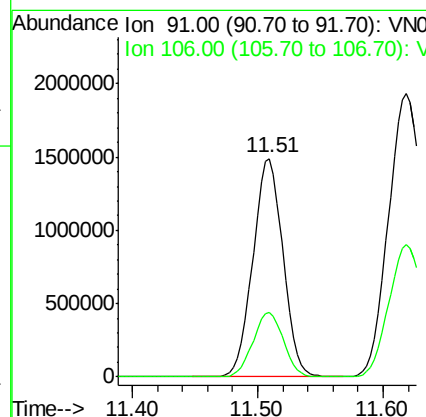
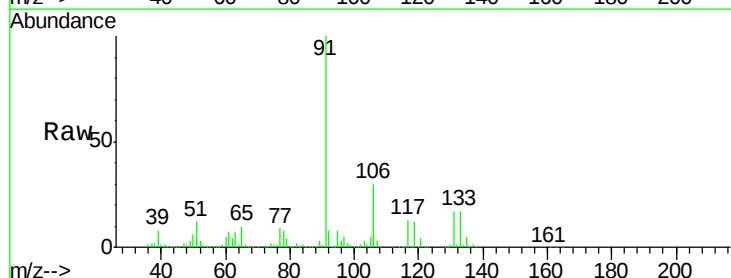
RT: 11.51 min Scan# 3028

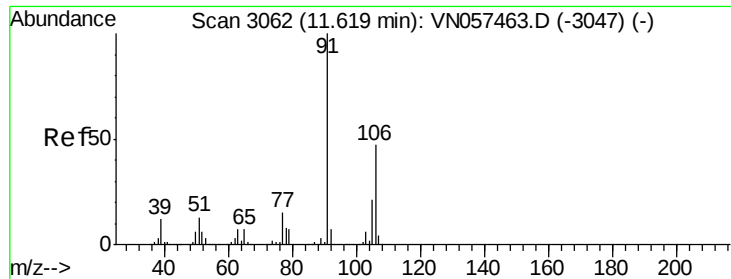
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	91	Resp:	2487511
Ion Ratio	Lower	Upper	
91	100		
106	29.6	23.6	35.4





#67

m/p-Xylenes

Concen: 200.646 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:106 Resp: 1757360

Ion Ratio Lower Upper

106 100

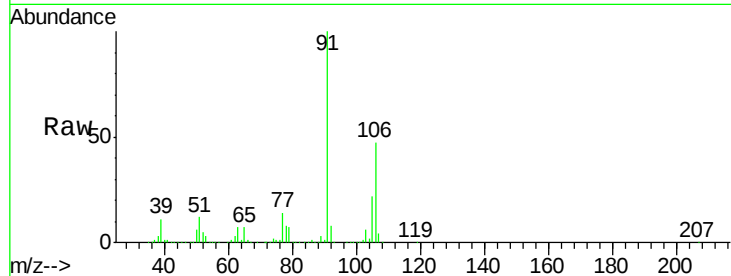
91 213.8 172.9 259.3

Manual Integrations

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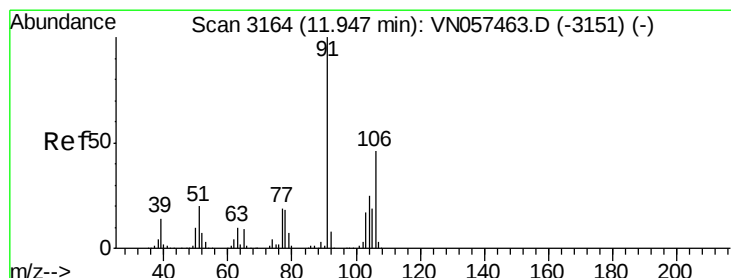
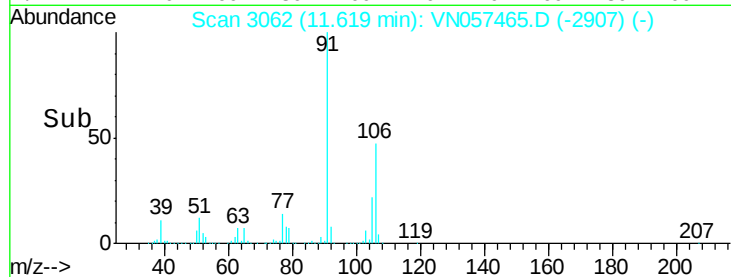
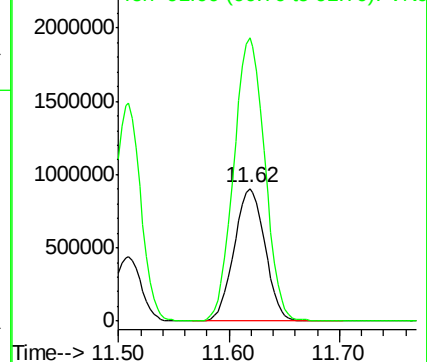
MMDadoda

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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: 99.536 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057465.D

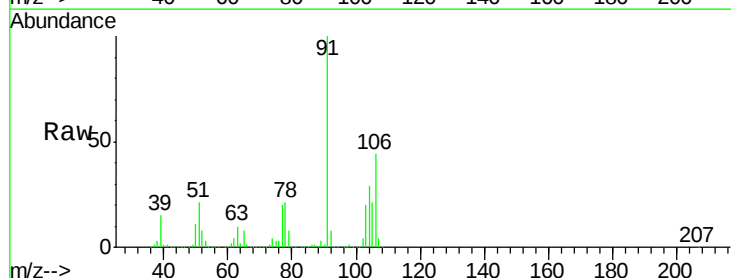
Acq: 23 Aug 2019 10:28

Tgt Ion:106 Resp: 857610

Ion Ratio Lower Upper

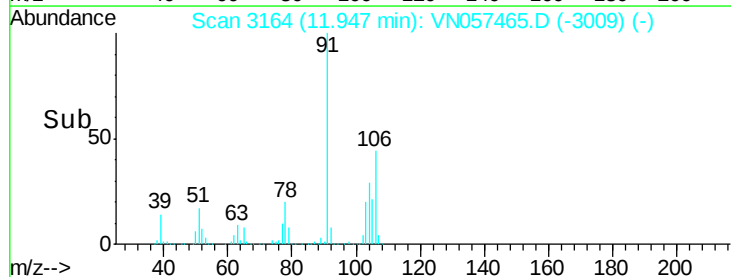
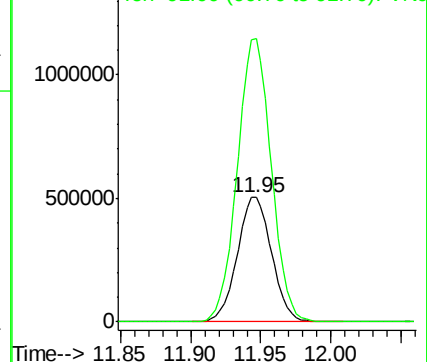
106 100

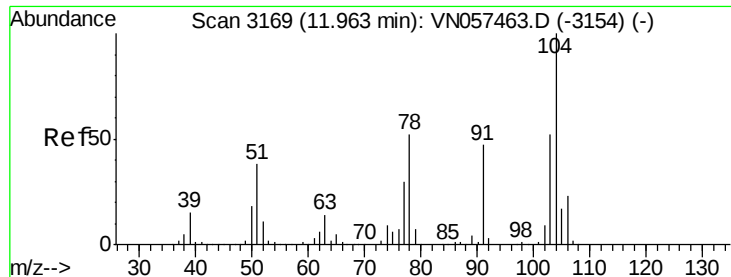
91 225.5 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





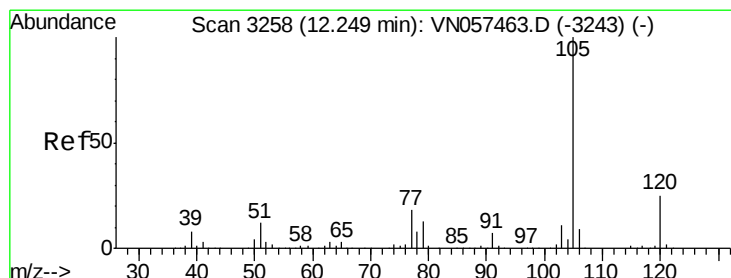
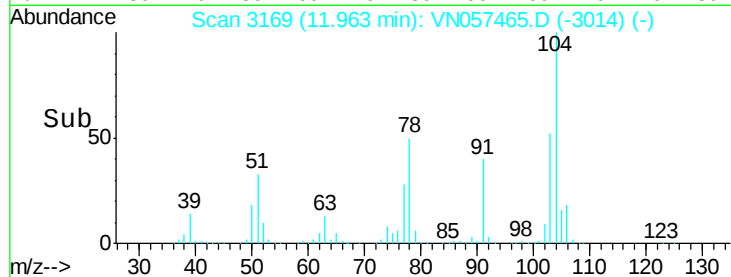
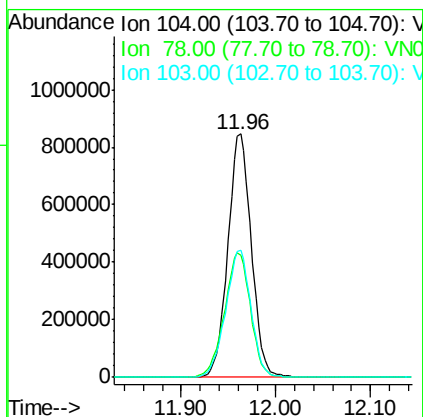
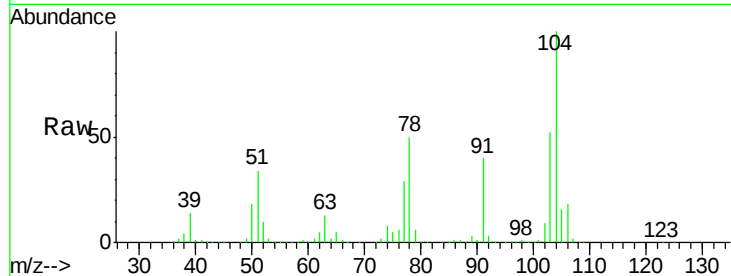
#69
Stvrene
Concen: 106.045 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:104 Resp: 1457309
Ion Ratio Lower Upper
104 100
78 56.9 46.5 69.7
103 56.4 45.9 68.9

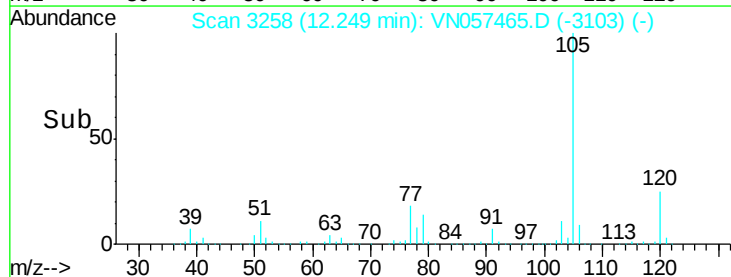
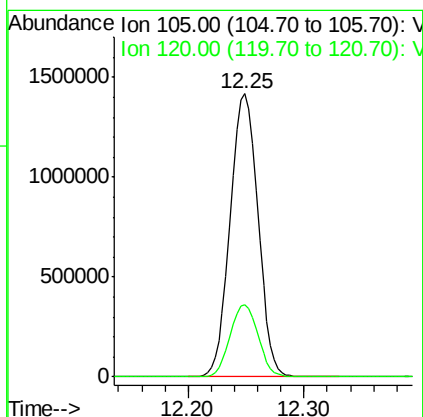
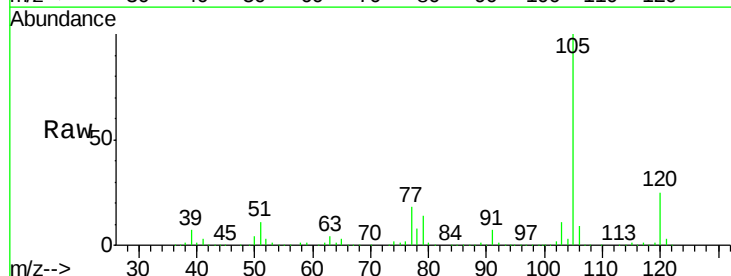
Manual Integrations
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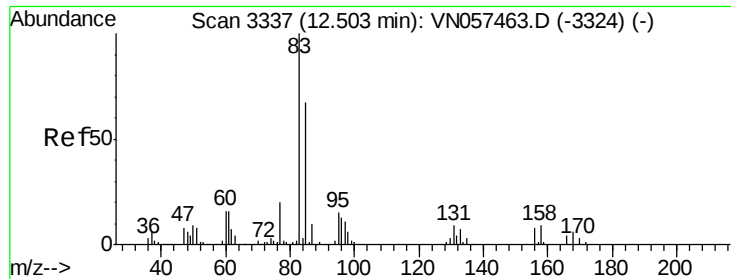
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#70
Isopropylbenzene
Concen: 102.045 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion:105 Resp: 2346401
Ion Ratio Lower Upper
105 100
120 25.6 17.8 33.1





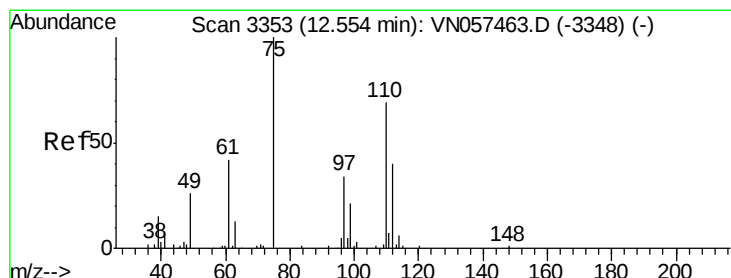
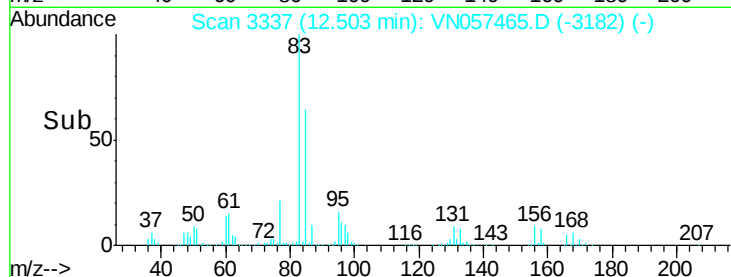
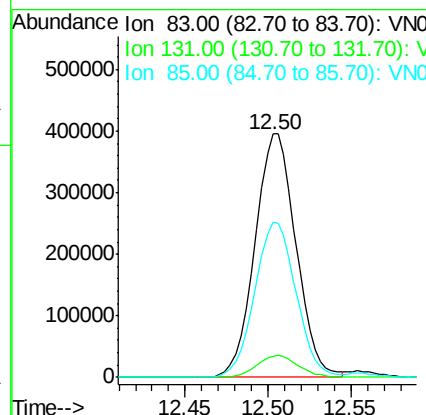
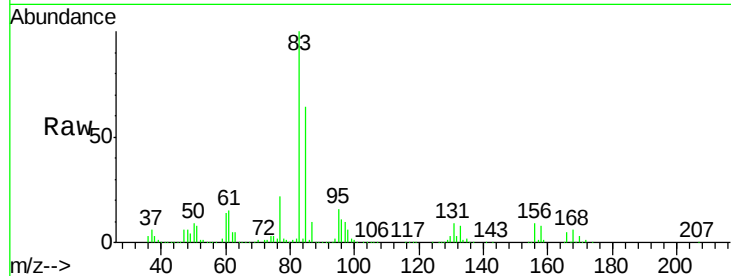
#71
 1,1,2,2-Tetrachloroethane
 Concen: 106.625 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	679139		
131	9.2	4.7	14.1	
85	64.2	33.1	99.2	

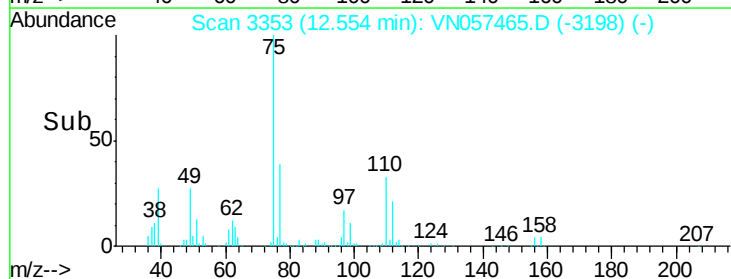
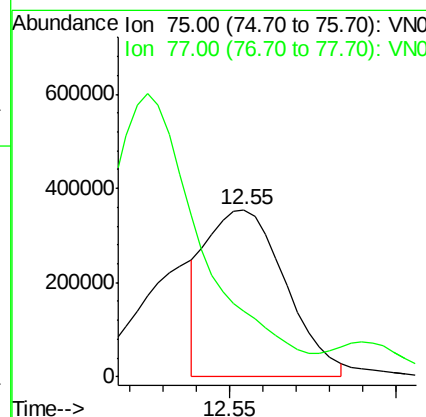
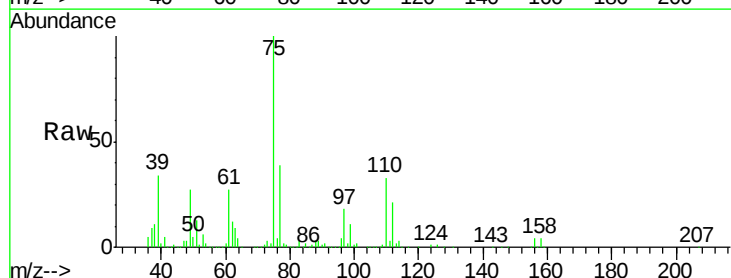
Manual Integrations
 APPROVED

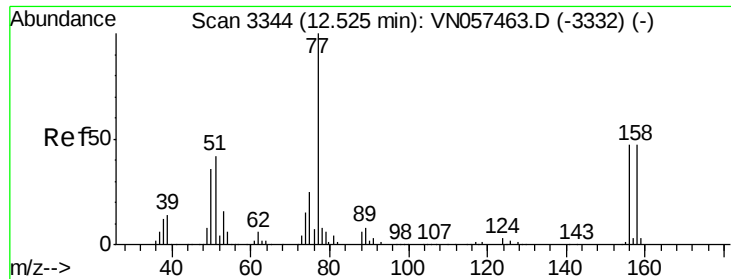
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 108.332 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	591497		
77	207.0	0.0	380.2	





#73

Bromobenzene

Concen: 83.756 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

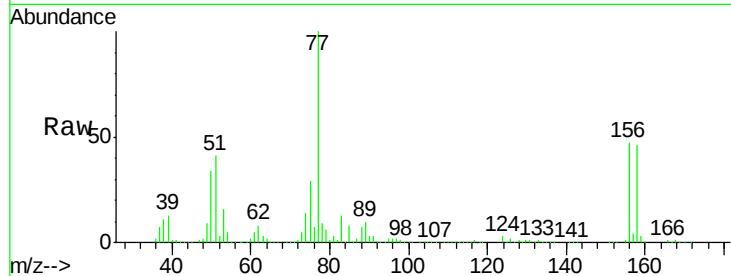
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	488366
Ion Ratio	Lower	Upper	
156	100		
77	250.7	0.0	506.8
158	97.4	0.0	196.6

Manual Integrations
APPROVED

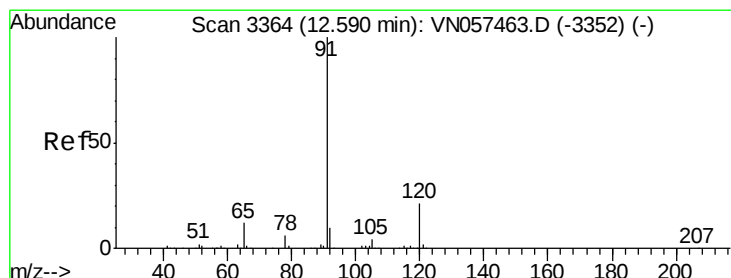
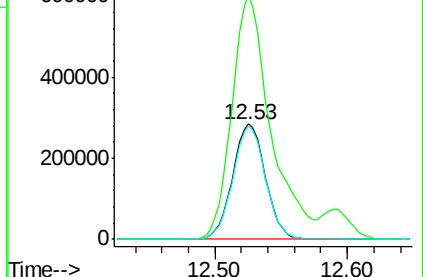
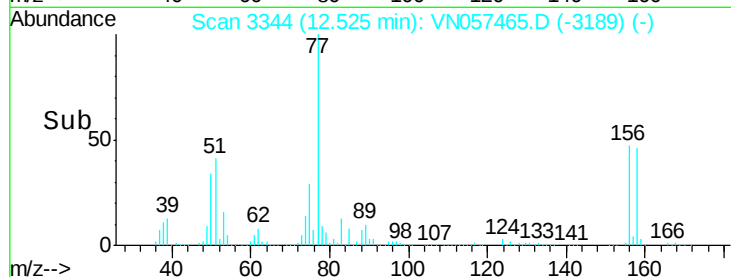
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 114.075 ug/l

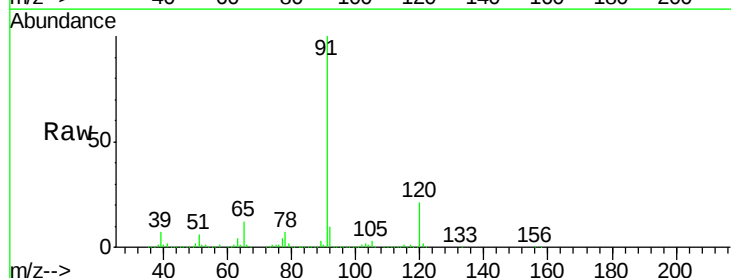
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057465.D

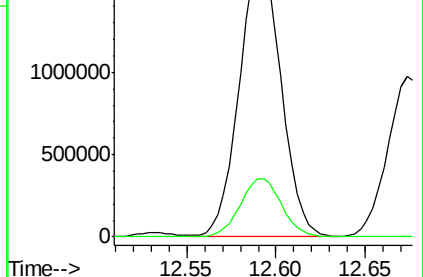
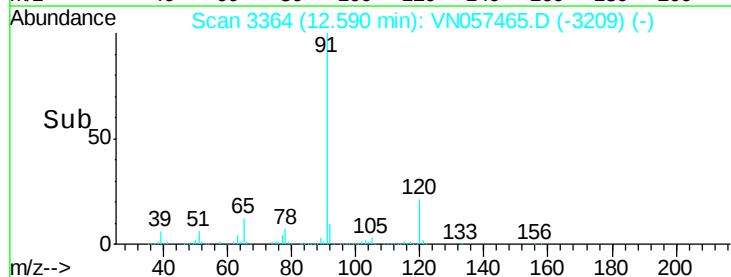
Acq: 23 Aug 2019 10:28

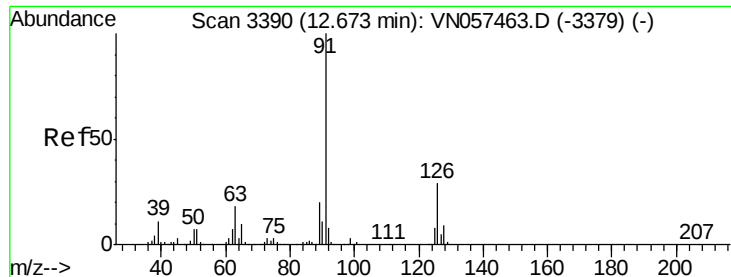
Tgt Ion:	91	Resp:	2781160
Ion Ratio	Lower	Upper	
91	100		
120	20.7	0.0	42.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 107.999 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1614824

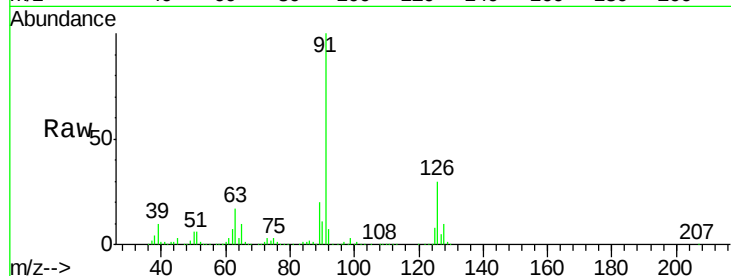
Ion Ratio Lower Upper

91 100

126 30.8 0.0 60.4

Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057463.D (-3379) (-)

1500000

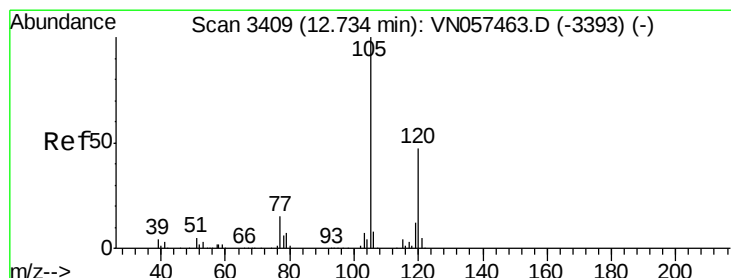
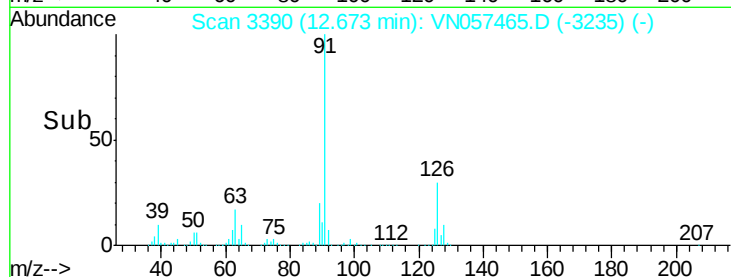
1000000

500000

0

12.67

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 102.027 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057465.D

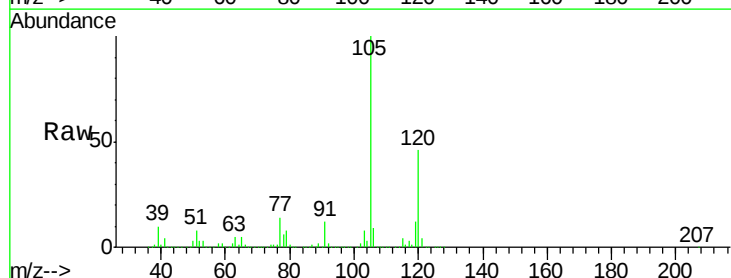
Acq: 23 Aug 2019 10:28

Tgt Ion: 105 Resp: 1945786

Ion Ratio Lower Upper

105 100

120 46.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057463.D (-3393) (-)

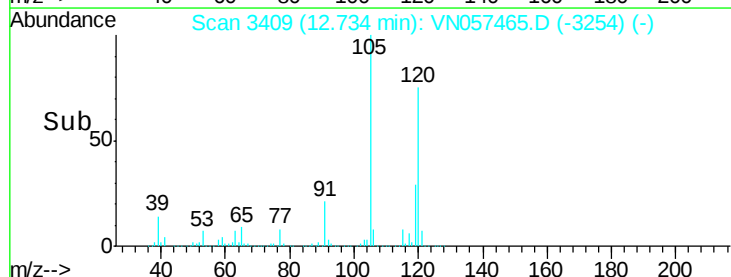
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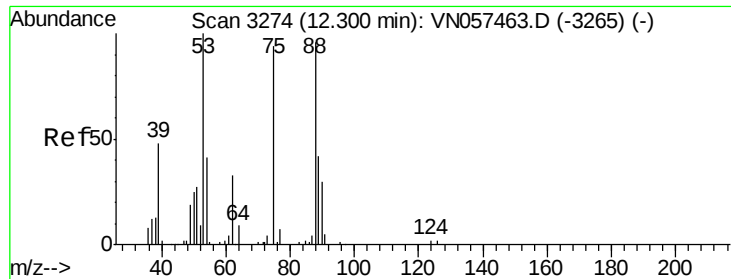
500000

0

12.73

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 114.949 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

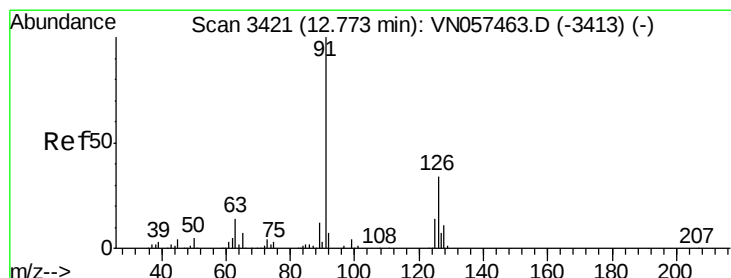
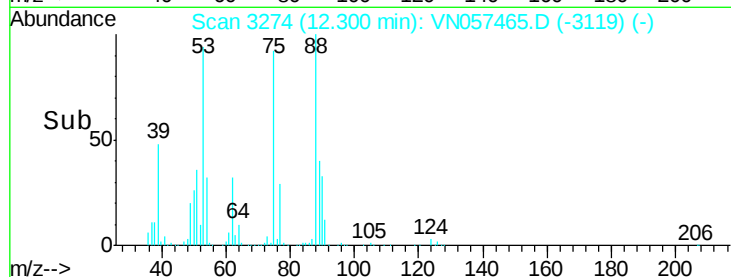
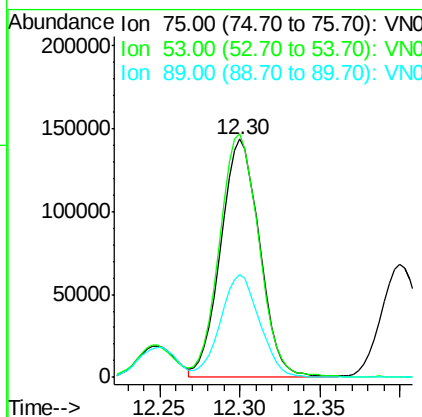
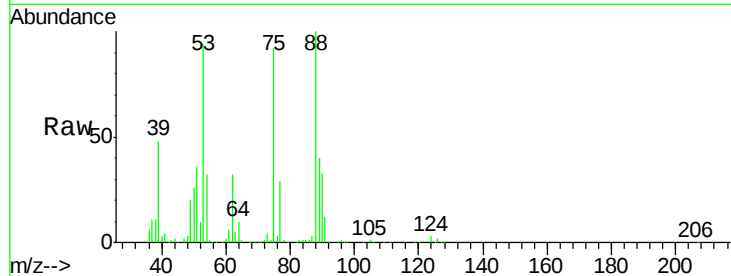
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	239650
Ion	Ratio	Lower	Upper
75	100		
53	102.2	55.6	166.9
89	43.4	23.8	71.4

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#78

4-Chlorotoluene

Concen: 114.988 ug/l

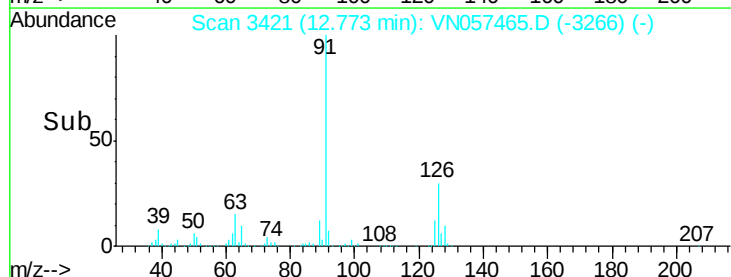
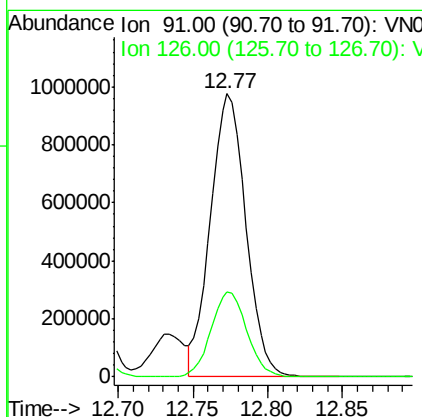
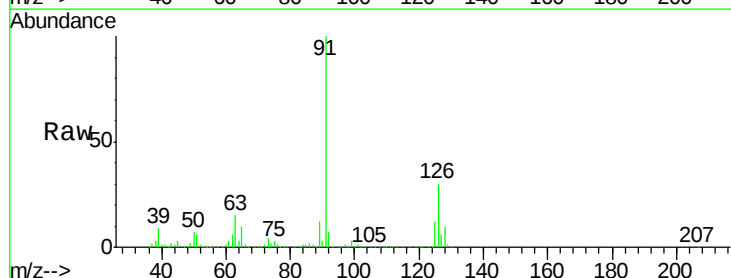
RT: 12.77 min Scan# 3421

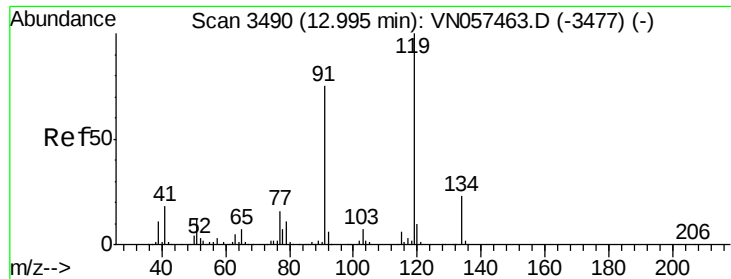
Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	91	Resp:	1612897
Ion	Ratio	Lower	Upper
91	100		
126	30.2	0.0	61.6





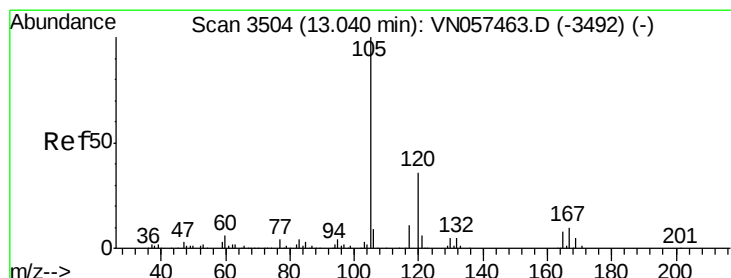
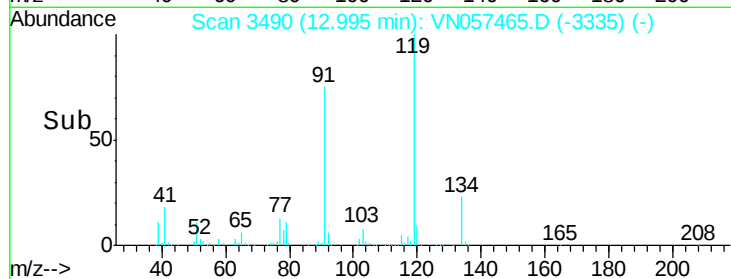
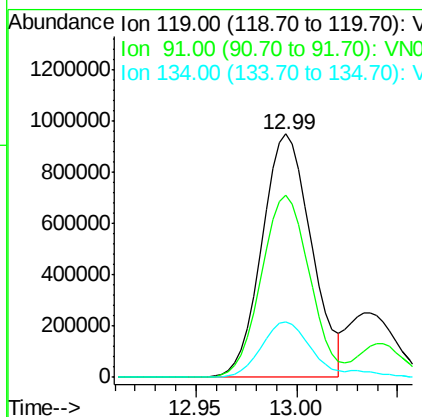
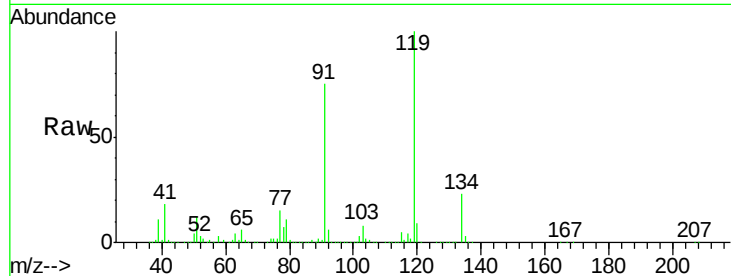
#79
tert-butylbenzene
Concen: 95.901 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1617273
Ion Ratio Lower Upper
119 100
91 73.4 0.0 146.6
134 22.6 0.0 46.2

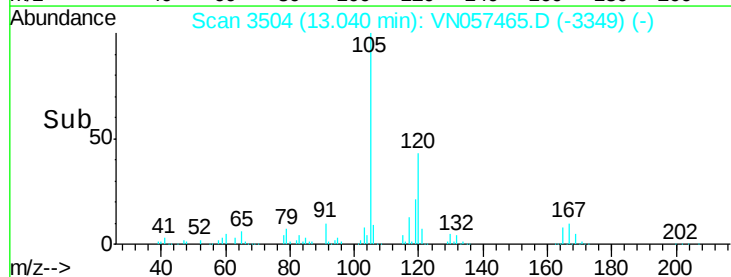
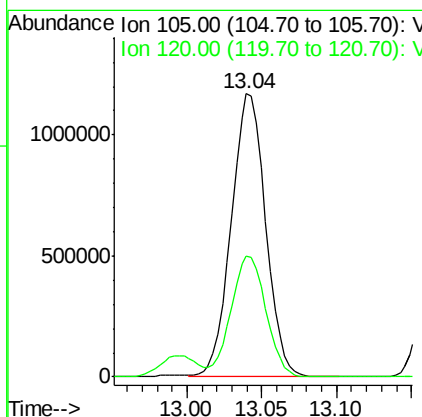
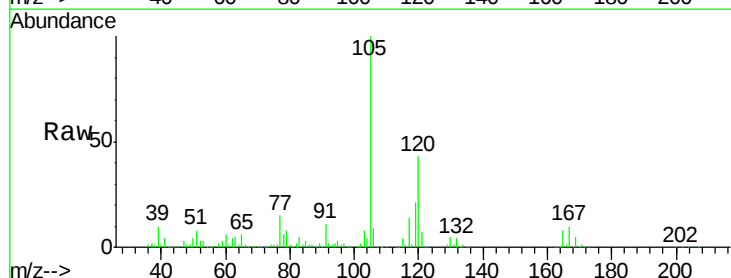
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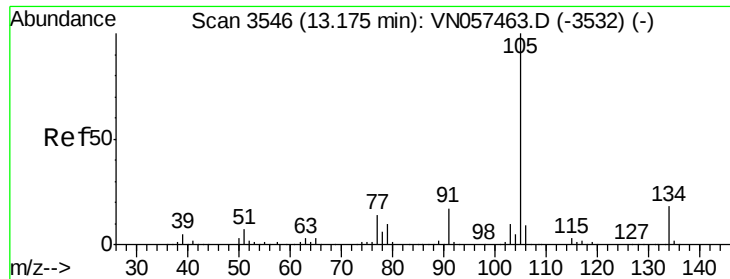
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#80
1,2,4-Trimethylbenzene
Concen: 103.927 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion:105 Resp: 1870427
Ion Ratio Lower Upper
105 100
120 43.3 0.0 85.4





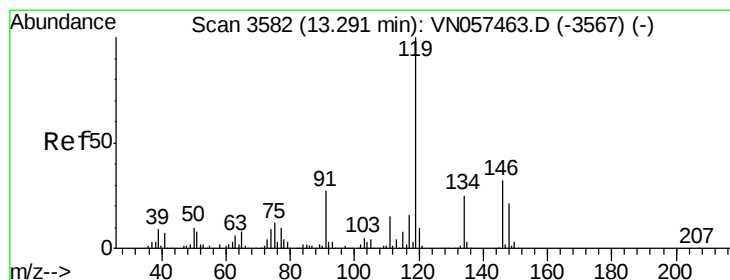
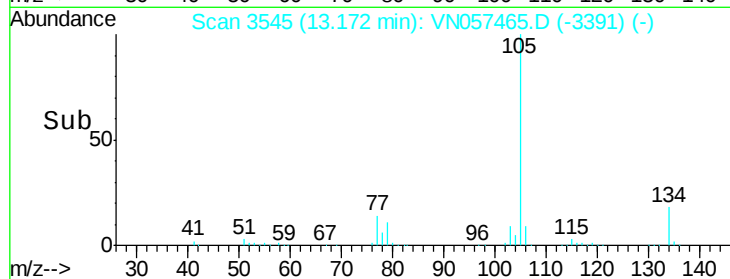
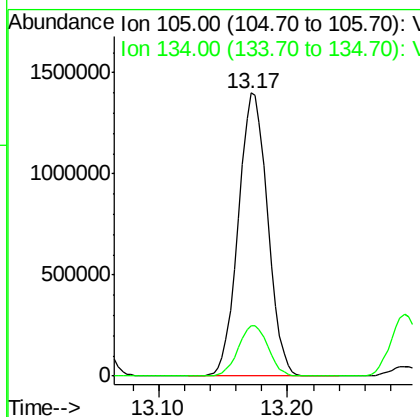
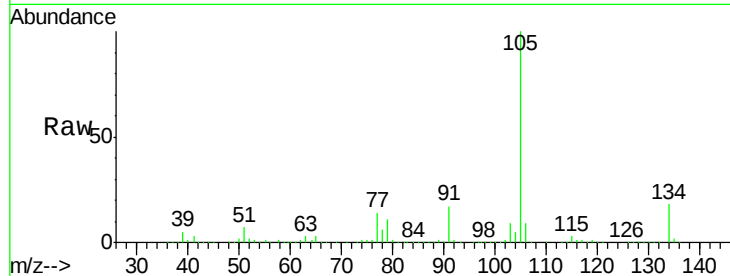
#81
 sec-Butylbenzene
 Concen: 104.576 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2212055
 Ion Ratio Lower Upper
 105 100
 134 18.1 0.0 36.0

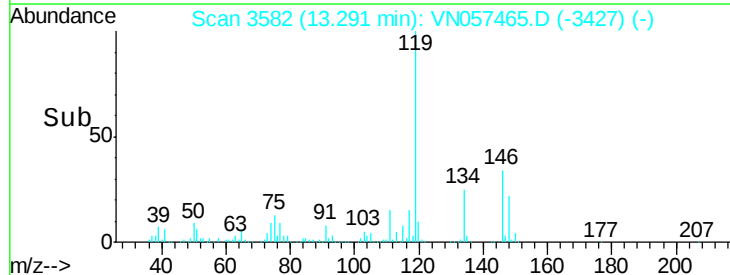
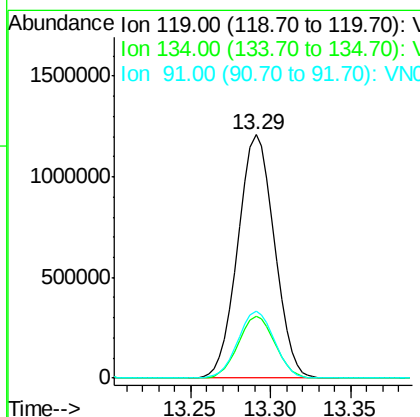
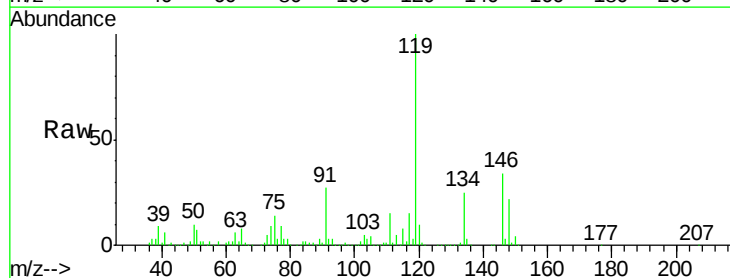
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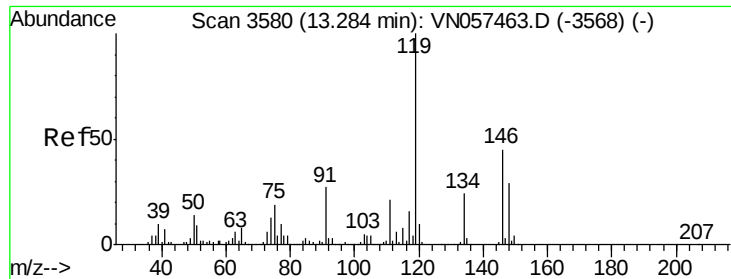
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#82
 p-Isopropyltoluene
 Concen: 100.375 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion:119 Resp: 1876521
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 49.6
 91 27.3 0.0 55.2





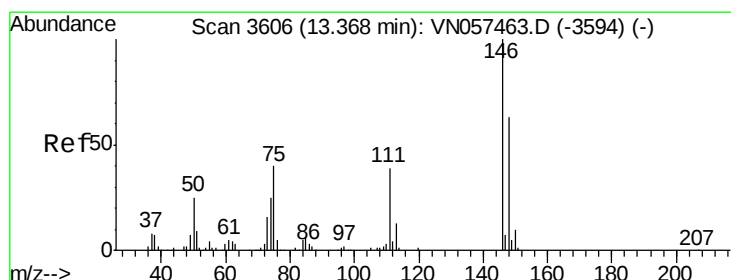
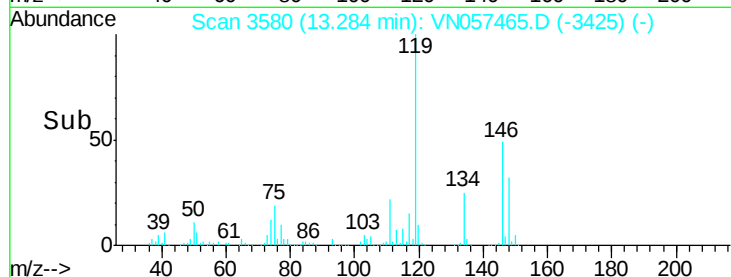
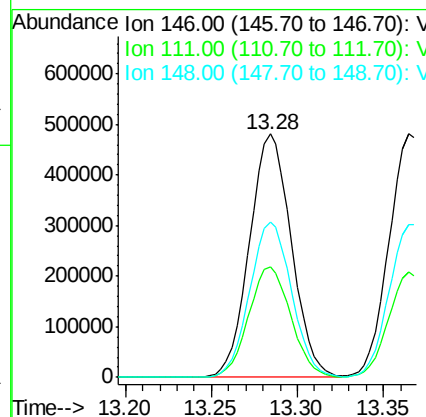
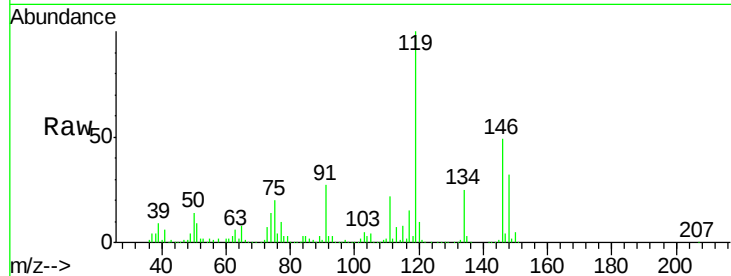
#83
 1,3-Dichlorobenzene
 Concen: 94.514 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.4	67.0
148	63.8	31.8	95.4

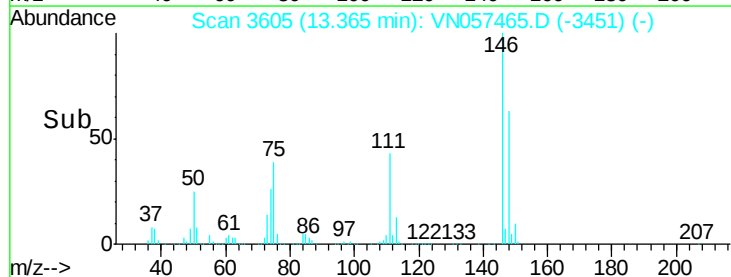
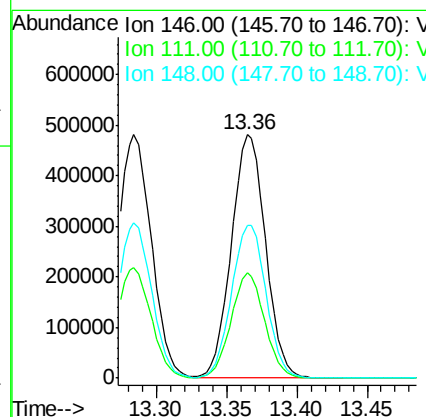
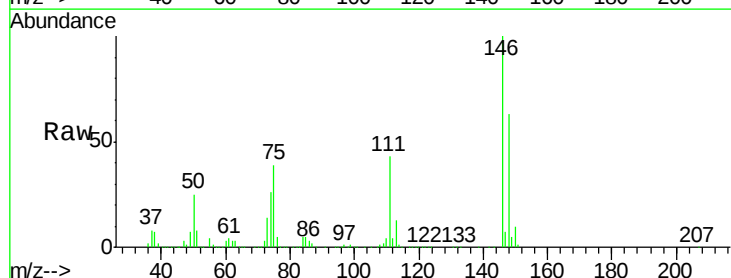
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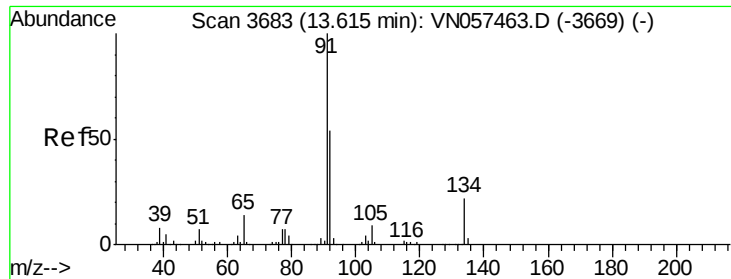
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#84
 1,4-Dichlorobenzene
 Concen: 100.406 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.5	61.5
148	63.6	31.9	95.7





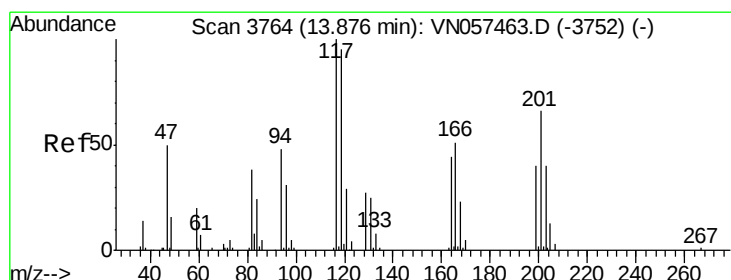
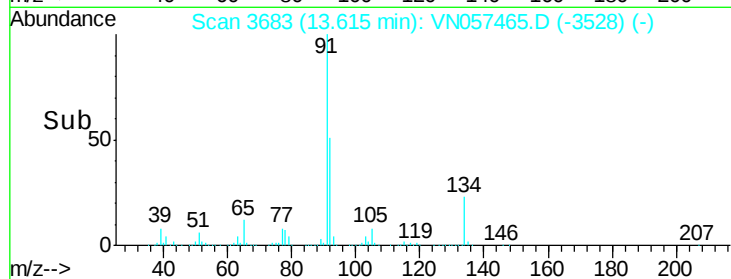
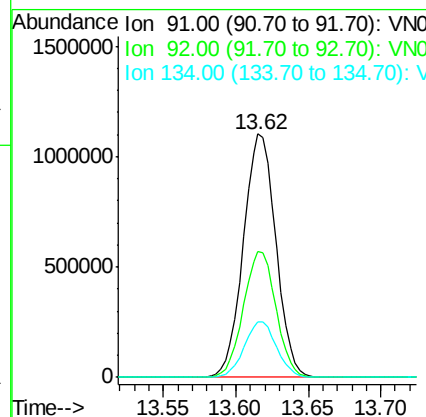
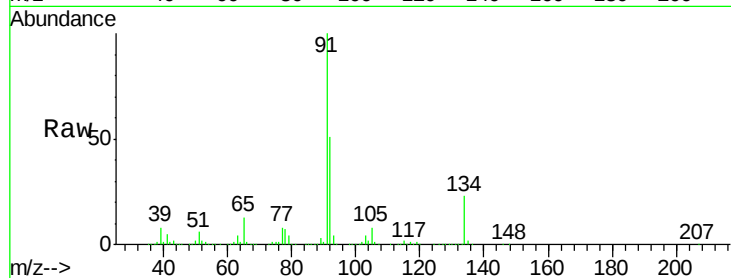
#85
n-Butylbenzene
Concen: 122.084 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	105.6
134	22.8	0.0	46.0

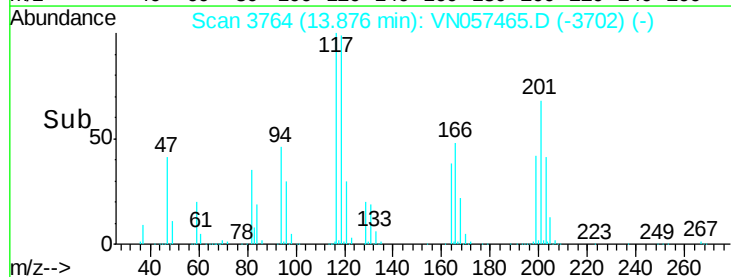
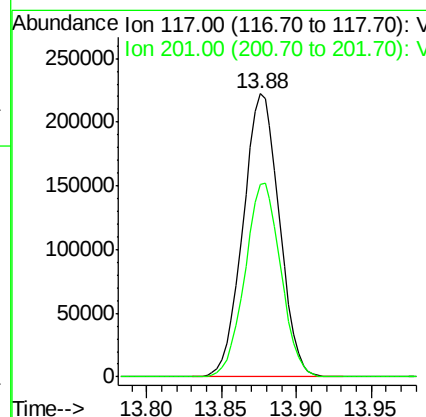
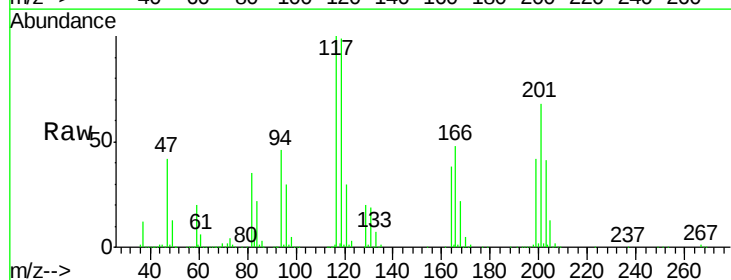
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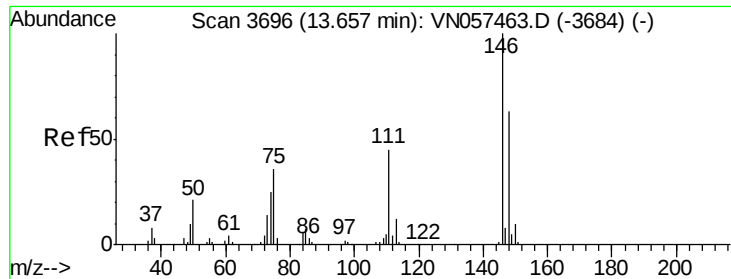
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#86
Hexachloroethane
Concen: 103.242 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.0	101.8





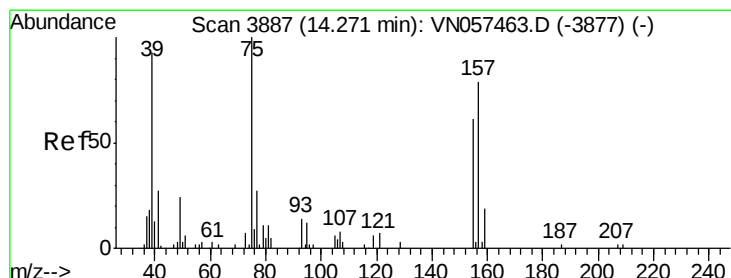
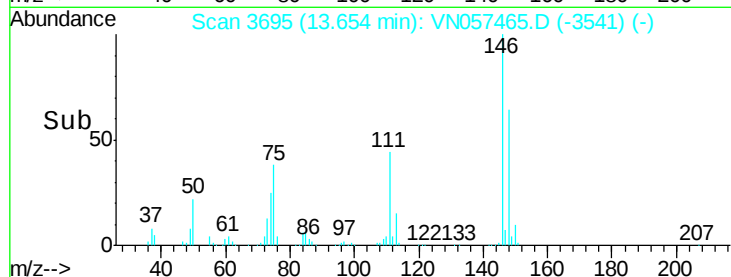
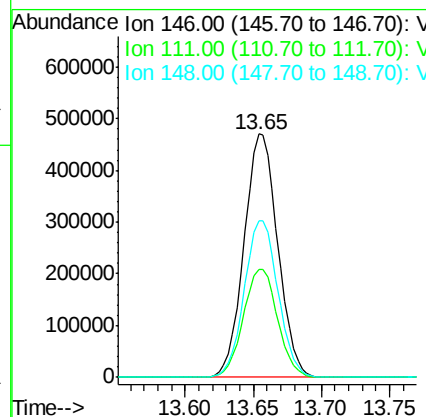
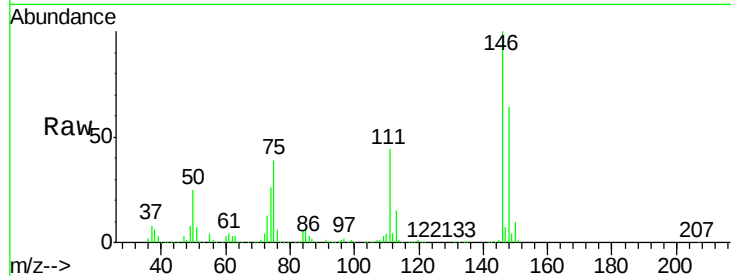
#87
 1,2-Dichlorobenzene
 Concen: 98.577 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.5	67.5
148	64.4	30.9	92.7

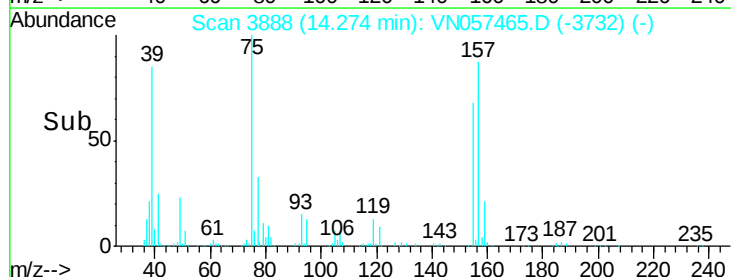
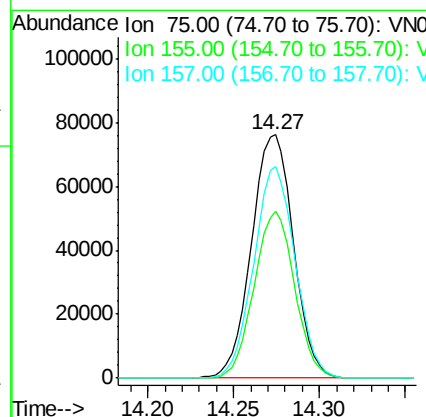
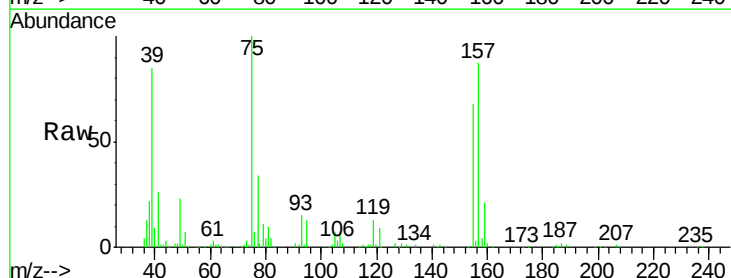
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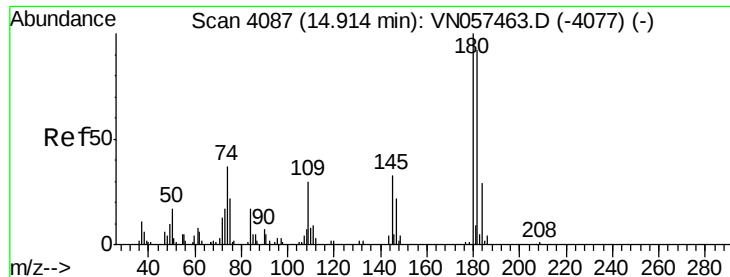
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 143.825 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.9	53.7	80.5
157	85.6	63.5	95.3





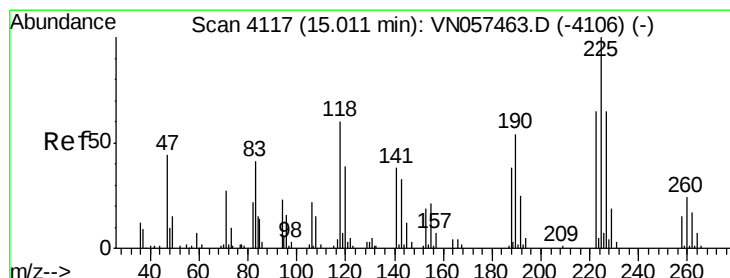
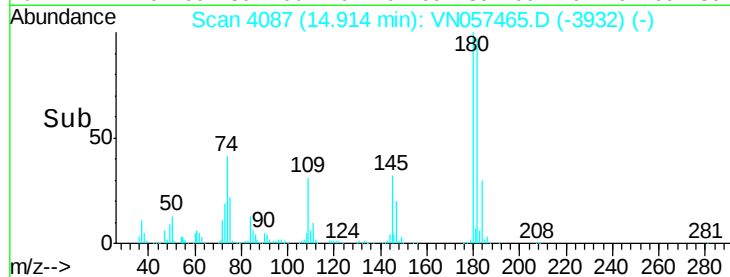
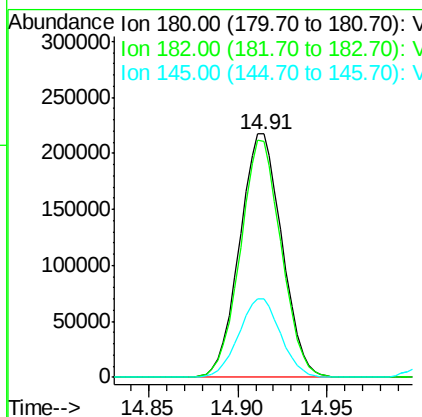
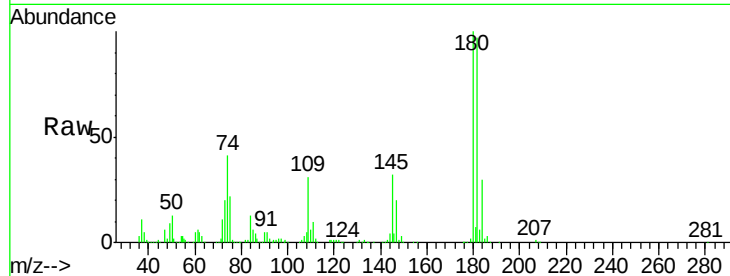
#89
 1,2,4-Trichlorobenzene
 Concen: 122.454 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:	180	Resp:	359443
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.4	113.2
145	32.1	26.9	40.3

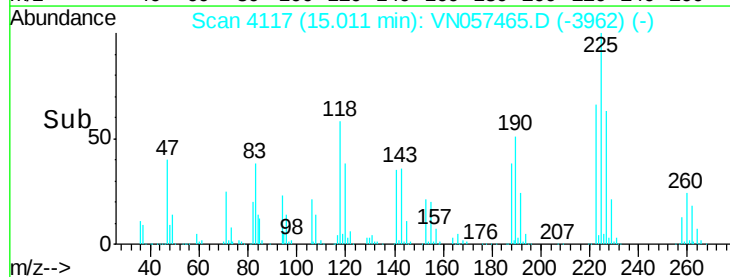
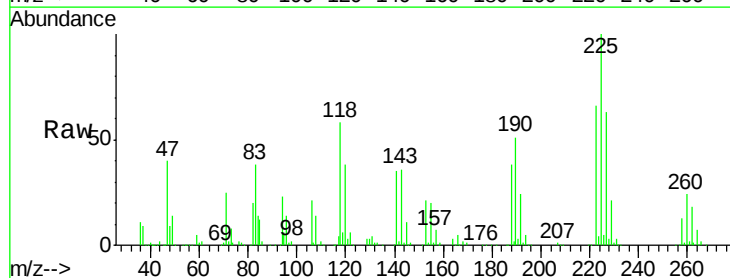
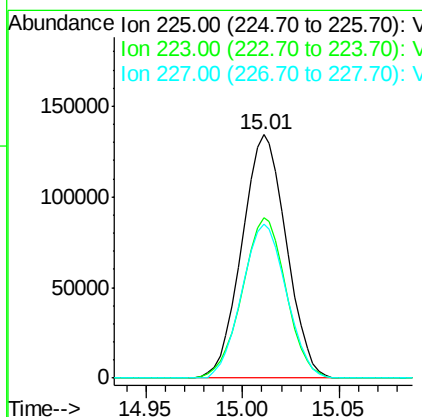
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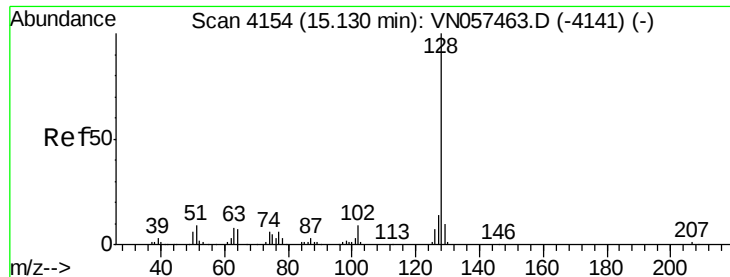
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#90
 Hexachlorobutadiene
 Concen: 61.826 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion:	225	Resp:	214476
Ion Ratio	Lower	Upper	
225	100		
223	64.8	0.0	123.6
227	63.0	0.0	126.6





#91

Naphthalene

Concen: 161.516 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

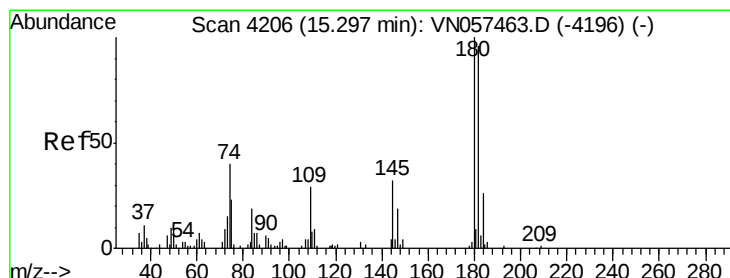
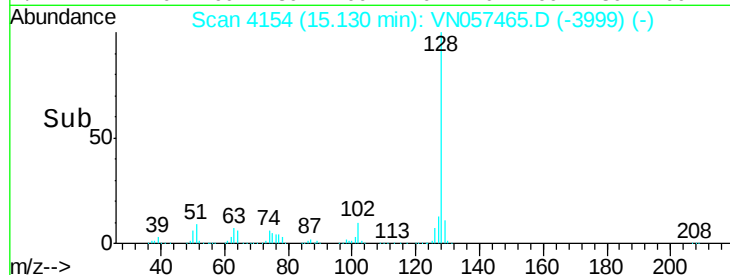
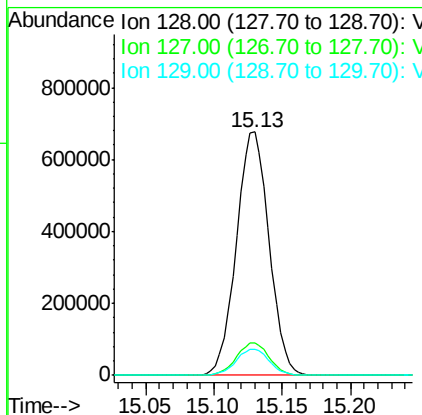
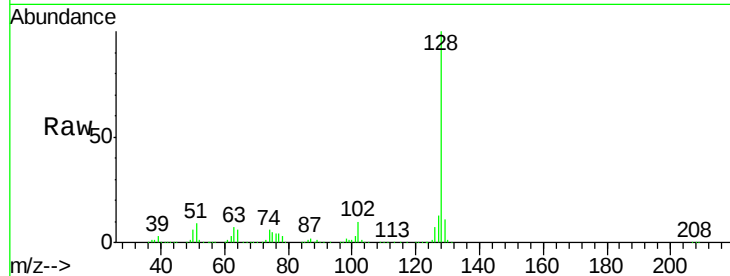
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	1125136
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 126.565 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion:	180	Resp:	360422
Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	187.0
145	34.6	0.0	64.4

