

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057580.D
 Acq On : 30 Aug 2019 10:49
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:42 AM

Quant Time: Aug 30 23:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	121829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	697337	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	656834	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	246115	21.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	72.37%
60) 4-Bromofluorobenzene	12.40	95	317226	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.08	98	879116	27.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	90.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	938929	146.101 ug/l	96
3) Chloromethane	2.05	50	762870	86.612 ug/l	100
4) Vinyl Chloride	2.18	62	1175630	102.480 ug/l	100
5) Bromomethane	2.53	94	1010618	126.666 ug/l	99
6) Chloroethane	2.68	64	753593	96.438 ug/l	96
7) Trichlorofluoromethane	3.00	101	2447362	124.410 ug/l	99
8) Diethyl Ether	3.40	74	779185	106.646 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1433892	126.948 ug/l	94
10) 1,1-Dichloroethene	3.71	96	1332795	123.970 ug/l	99
11) Methyl Iodide	3.93	142	2415190	203.881 ug/l	99
12) Methyl Acetate	4.31	43	697049	71.602 ug/l	95
13) Acrolein	3.59	56	452423	370.577 ug/l	98
14) Acrylonitrile	4.97	53	1581689	461.261 ug/l #	90
15) Acetone	3.81	58	721398	445.467 ug/l	96
16) Carbon Disulfide	4.03	76	1602227	92.373 ug/l	99
17) Allyl chloride	4.30	41	1035680	79.002 ug/l	97
18) Methylene Chloride	4.53	84	859617	115.050 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	914393	128.548 ug/l	95
20) Diisopropyl ether	5.94	45	2471620	87.269 ug/l	93
21) 1,1-Dichloroethane	5.83	63	1613153	106.883 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	1183160	135.977 ug/l	93
23) tert-Butyl Alcohol	4.81	59	568713	453.821 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	2834320	120.489 ug/l	91
25) Chloroform	7.36	83	2003231	129.311 ug/l	99
26) Cyclohexane	7.64	56	1295164	96.835 ug/l #	89
29) 1,1-Dichloropropene	7.78	75	1371741	119.468 ug/l	98
30) 2-Butanone	6.83	43	2072689	397.751 ug/l #	93
31) 2,2-Dichloropropane	6.81	77	1661988	126.406 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1877771	139.576 ug/l	96
33) Carbon Tetrachloride	7.76	117	1638932	146.379 ug/l	98
34) Benzene	8.03	78	3931663	116.329 ug/l #	89
35) Methacrylonitrile	7.16	41	417519	80.490 ug/l	91
36) 1,2-Dichloroethane	8.11	62	1432925	108.368 ug/l	99
37) Trichloroethene	8.83	130	1222075	152.236 ug/l	99
38) Methylcyclohexane	9.07	83	1706211	130.061 ug/l	95
39) 1,2-Dichloropropane	9.11	63	964794	102.984 ug/l	99
40) Dibromomethane	9.20	93	779197	130.575 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1651229	131.001	ug/l	98
42) Vinyl Acetate	5.88	43	8140284	346.154	ug/l #	87
43) Ethyl Acetate	6.92	43	855796	84.015	ug/l	97
44) Isopropyl Acetate	8.16	43	1636720	83.783	ug/l	97
45) 1,4-Dioxane	9.20	88	304443	2463.187	ug/l	98
46) Methyl methacrylate	9.19	41	747285	80.302	ug/l	89
47) n-amyl Acetate	12.07	43	1503980	94.467	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1696791	128.980	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	1782487	123.799	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	1132667	144.065	ug/l	98
51) Ethyl methacrylate	10.43	69	1516478	120.182	ug/l	88
52) 1,3-Dichloropropane	10.70	76	1726067	123.089	ug/l	98
53) Dibromochloromethane	10.90	129	1408940	166.928	ug/l	99
54) 1,2-Dibromoethane	11.00	107	1216238	150.076	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	2067957	653.529	ug/l	96
56) Bromoform	12.13	173	988260	191.938	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	3859637	328.944	ug/l #	82
59) 2-Hexanone	10.75	43	3013927	370.768	ug/l	87
61) Tetrachloroethene	10.63	164	1170119	152.008	ug/l	99
62) Toluene	10.15	91	4059428m	103.701	ug/l	
64) Chlorobenzene	11.43	112	3049297	139.564	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.51	131	1333293	160.612	ug/l	97
66) Ethyl Benzene	11.51	91	4133235	97.957	ug/l #	51
67) m/p-Xylenes	11.62	106	3975623m	267.173	ug/l	
68) o-Xylene	11.95	106	2209423	150.907	ug/l	70
69) Styrene	11.96	104	3382233	143.102	ug/l	94
70) Isopropylbenzene	12.25	105	4236651	107.029	ug/l #	75
71) 1,1,2,2-Tetrachloroethane	12.51	83	1422047	128.259	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	1196444m	119.892	ug/l	
73) Bromobenzene	12.53	156	1526101	185.809	ug/l	90
74) n-propylbenzene	12.59	91	4357472	97.856	ug/l	70
75) 2-Chlorotoluene	12.67	91	3353691	127.946	ug/l	87
76) 1,3,5-Trimethylbenzene	12.73	105	3881646	119.451	ug/l	77
77) t-1,4-Dichloro-2-butene	12.30	75	452085	131.718	ug/l	84
78) 4-Chlorotoluene	12.77	91	3412731	135.756	ug/l	84
79) tert-butylbenzene	12.99	119	3705450	132.674	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	3822561	125.138	ug/l	74
81) sec-Butylbenzene	13.17	105	4163931	113.696	ug/l	78
82) p-Isopropyltoluene	13.29	119	3943138	126.278	ug/l	81
83) 1,3-Dichlorobenzene	13.28	146	2625673	203.958	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	2531201	201.897	ug/l	98
85) n-Butylbenzene	13.62	91	3440580	129.257	ug/l	82
86) Hexachloroethane	13.88	117	967955	160.035	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	2495734	197.439	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	237948	129.658	ug/l	86
89) 1,2,4-Trichlorobenzene	14.91	180	1185458	250.981	ug/l	99
90) Hexachlorobutadiene	15.01	225	720952	196.987	ug/l	97
91) Naphthalene	15.13	128	2948245	198.501	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	1145860	245.721	ug/l	96

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

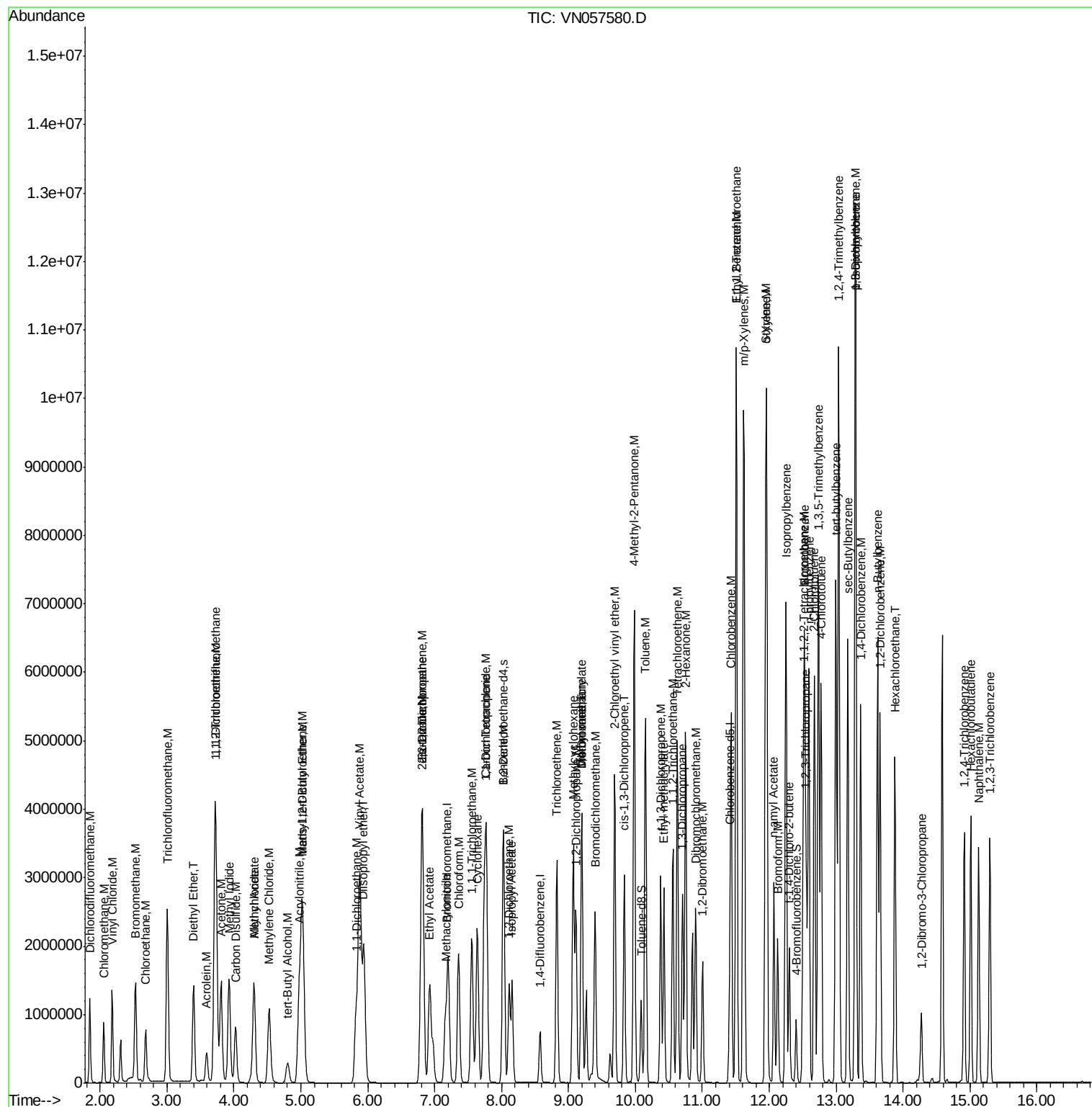
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
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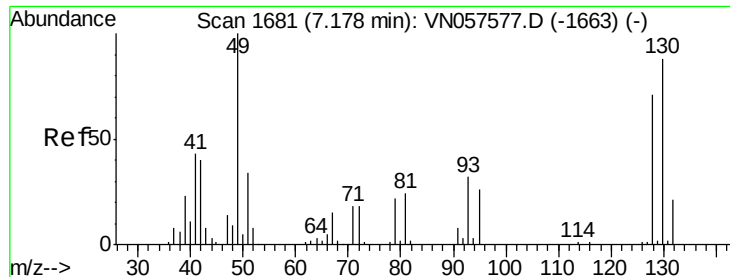
Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

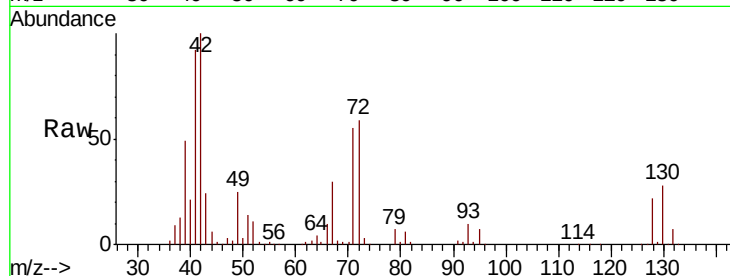
ClientSampled :

VSTDIC150

Tgt Ion:	128	Resp:	121829
Ion Ratio	Lower	Upper	
128	100		
49	125.0	0.0	352.3
130	131.3	0.0	324.7

Manual Integrations
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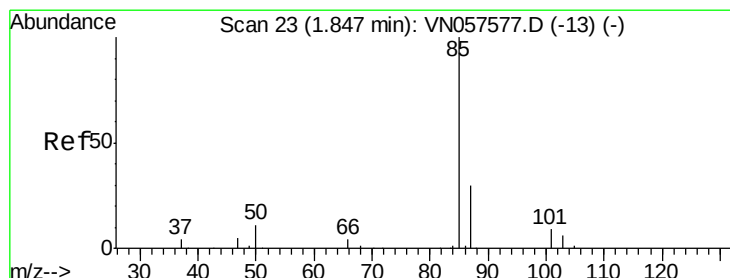
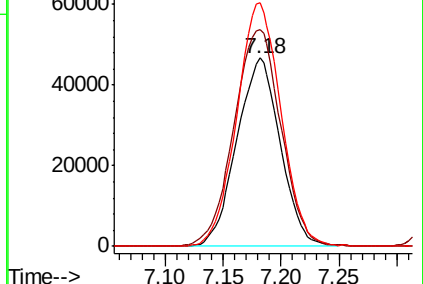
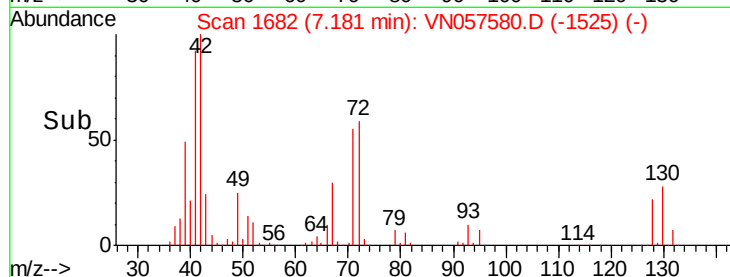
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 146.101 ug/l

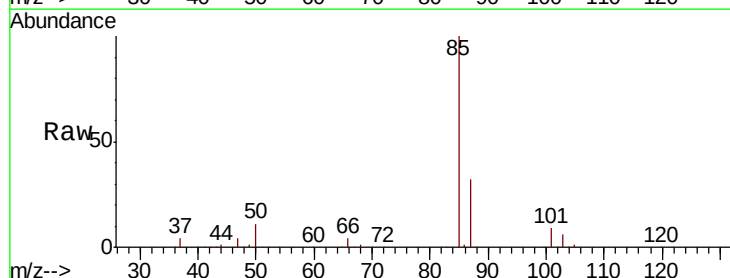
RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057580.D

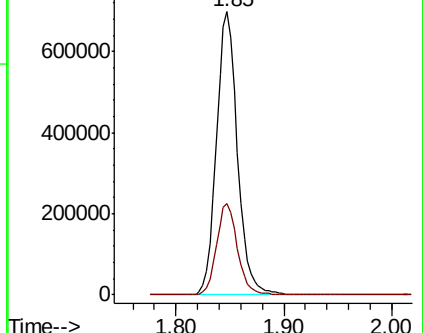
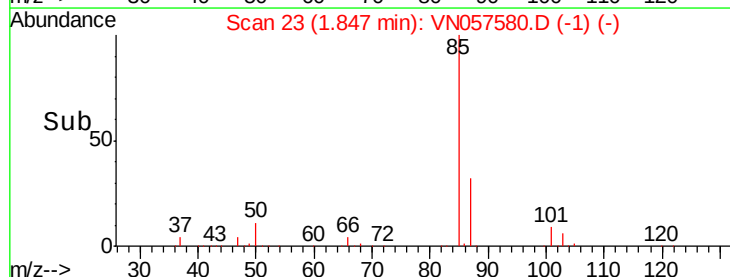
Acq: 30 Aug 2019 10:49

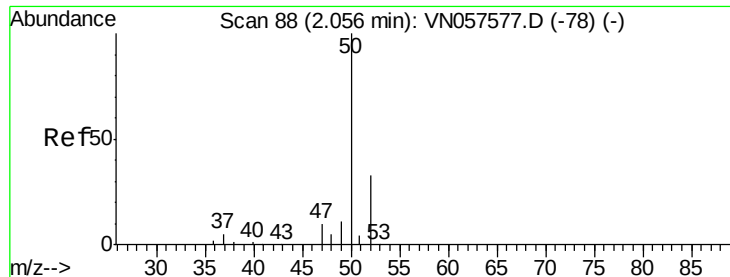
Tgt Ion:	85	Resp:	938929
Ion Ratio	Lower	Upper	
85	100		
87	32.2	15.0	45.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 86.612 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 762870

Ion Ratio Lower Upper

50 100

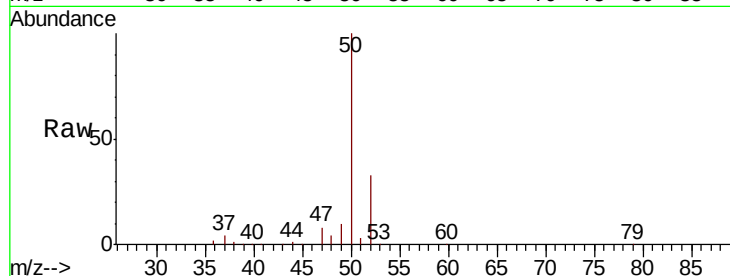
52 32.7 26.2 39.2

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.05

600000

500000

400000

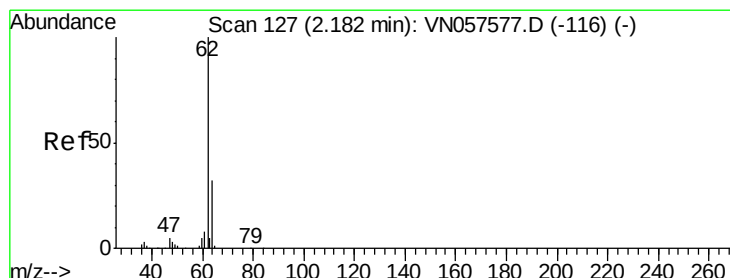
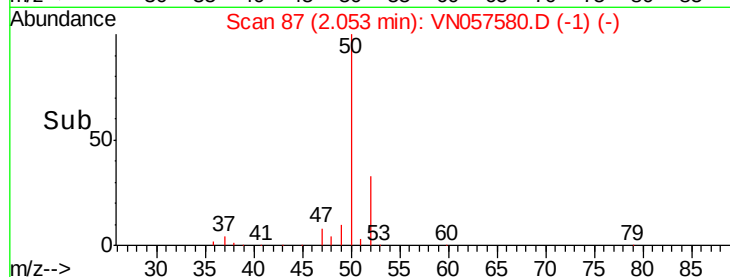
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 102.480 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057580.D

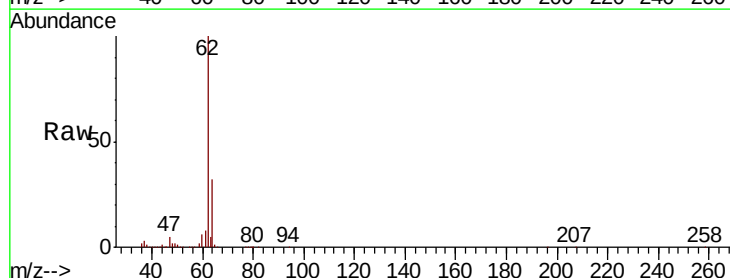
Acq: 30 Aug 2019 10:49

Tgt Ion: 62 Resp: 1175630

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.18

800000

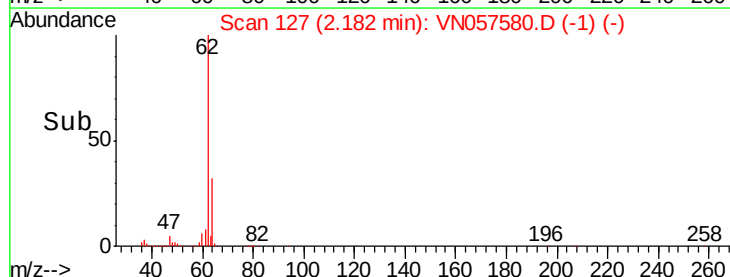
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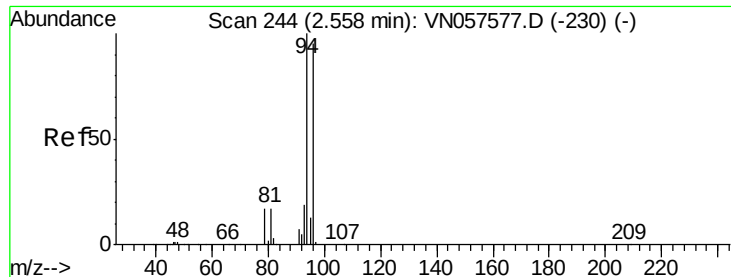
400000

200000

0

Time-->





#5

Bromomethane

Concen: 126.666 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.03 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

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MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 1010618

Ion Ratio Lower Upper

94 100

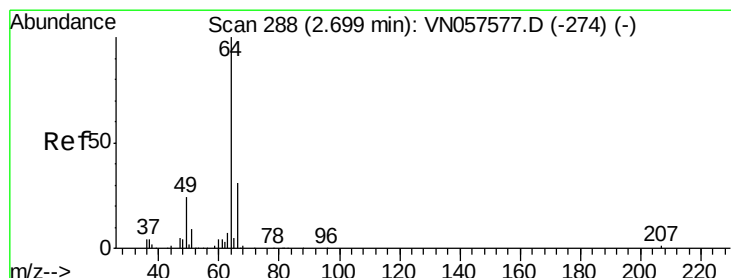
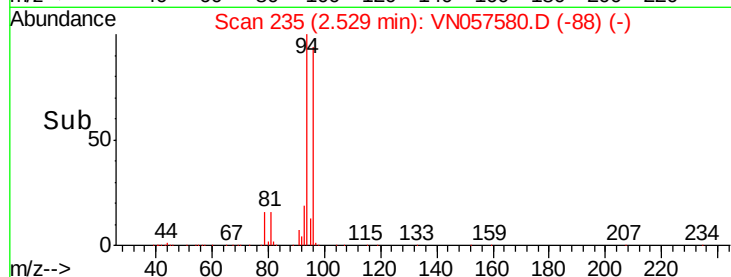
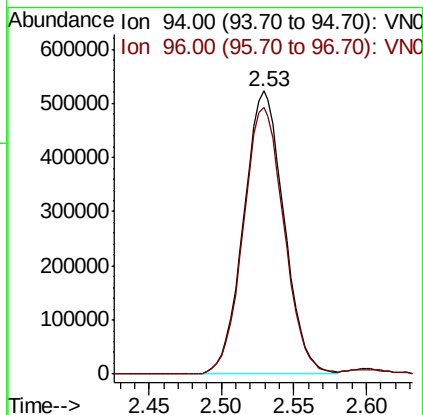
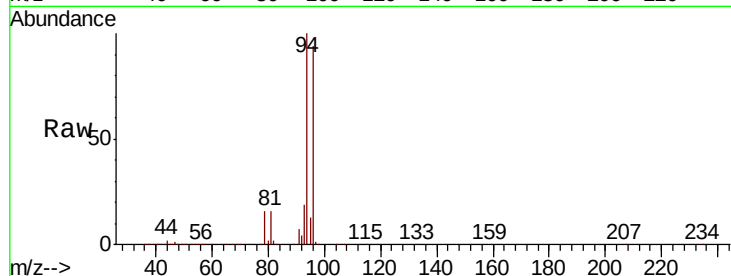
96 94.4 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 96.438 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.02 min

Lab File: VN057580.D

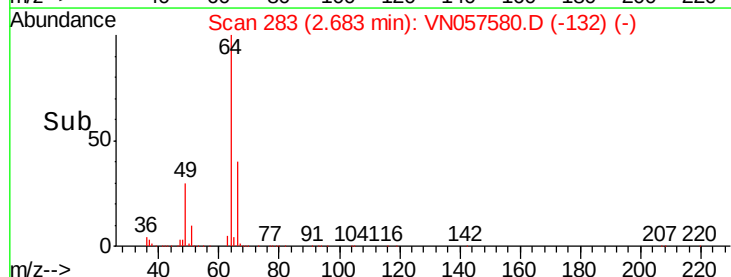
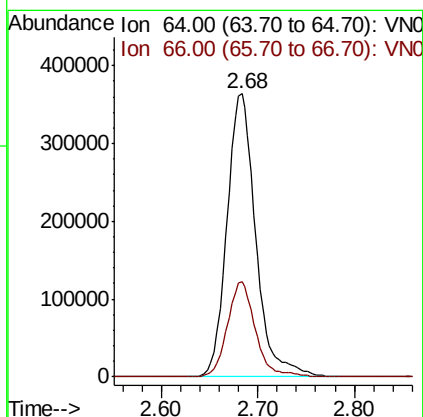
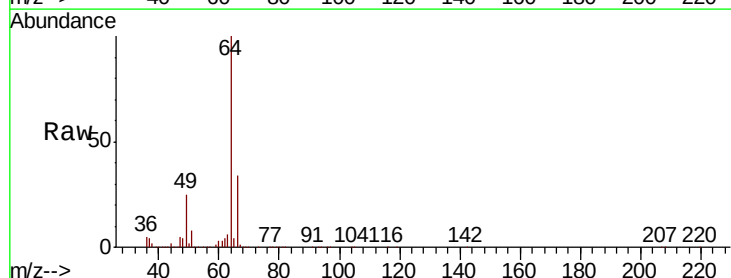
Acq: 30 Aug 2019 10:49

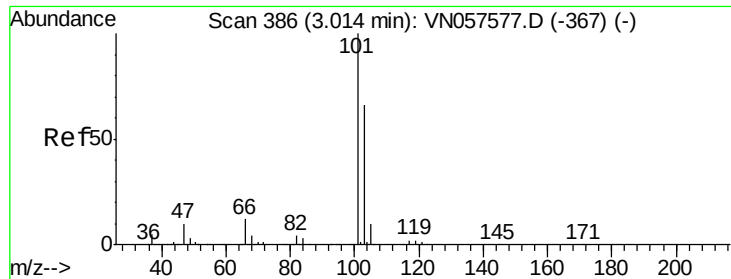
Tgt Ion: 64 Resp: 753593

Ion Ratio Lower Upper

64 100

66 33.6 25.1 37.7





#7

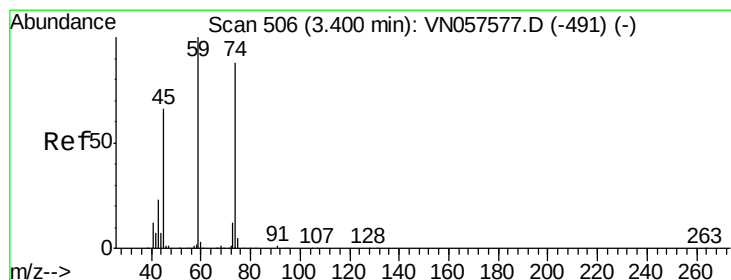
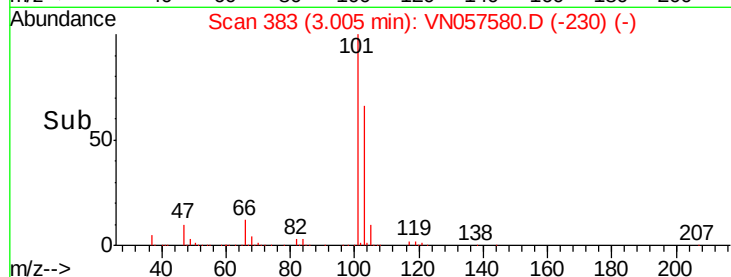
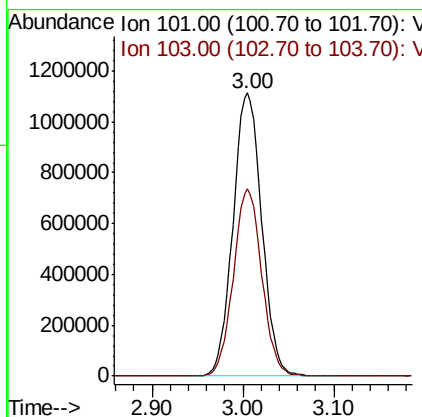
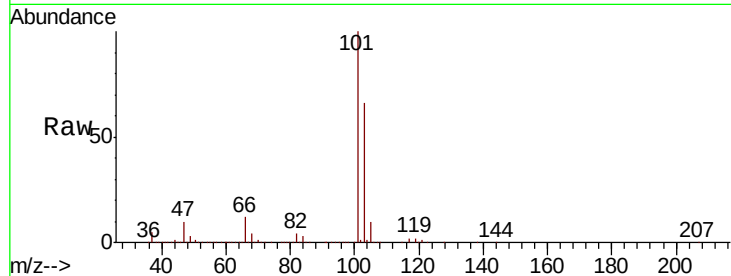
Trichlorofluoromethane
 Concen: 124.410 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

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 ClientSampleId :
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Tgt Ion:101 Resp: 2447362
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.4 78.6

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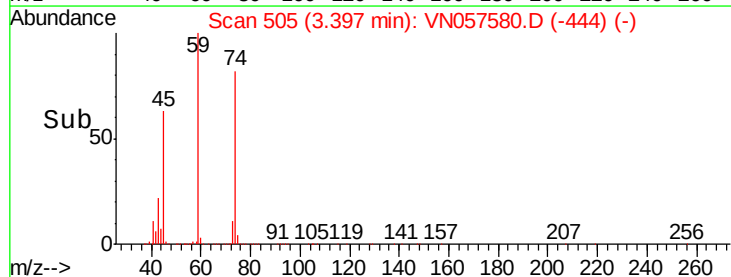
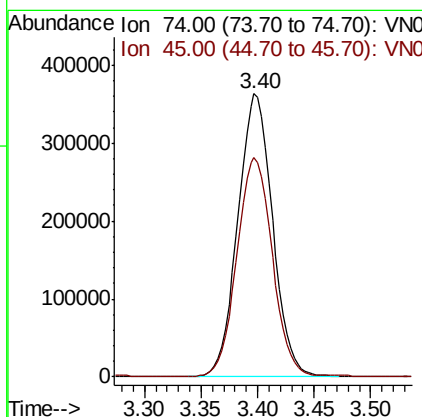
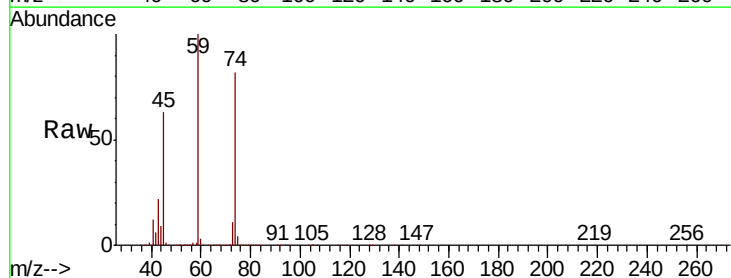
MMDadoda
 8/31/2019 10:00:42 AM

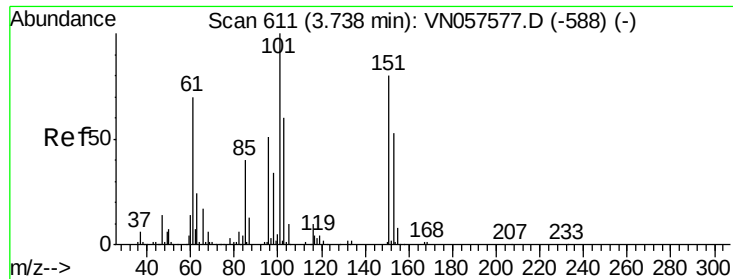


#8

Diethyl Ether
 Concen: 106.646 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 74 Resp: 779185
 Ion Ratio Lower Upper
 74 100
 45 78.5 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 126.948 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057580.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 101 Resp: 1433892

Ion Ratio Lower Upper

101 100

85 42.8 0.0 83.2

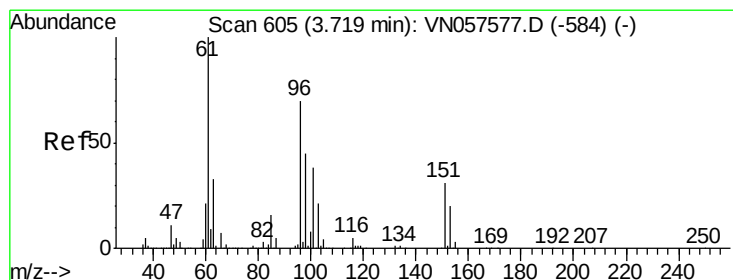
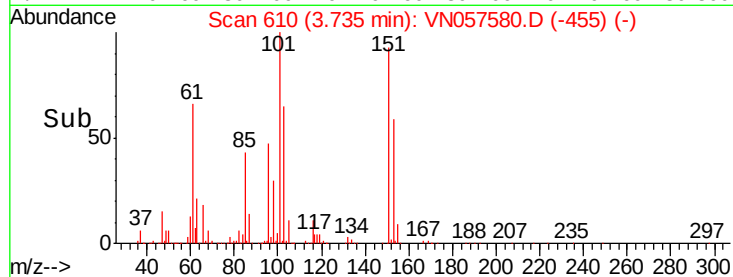
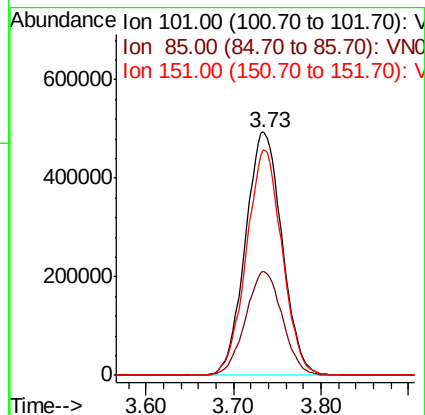
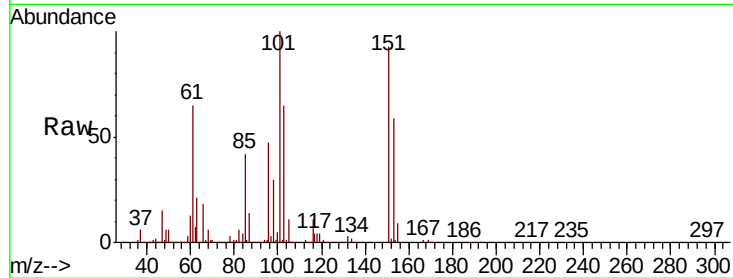
151 90.5 0.0 166.6

Manual Integrations

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#10

1,1-Dichloroethene

Concen: 123.970 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

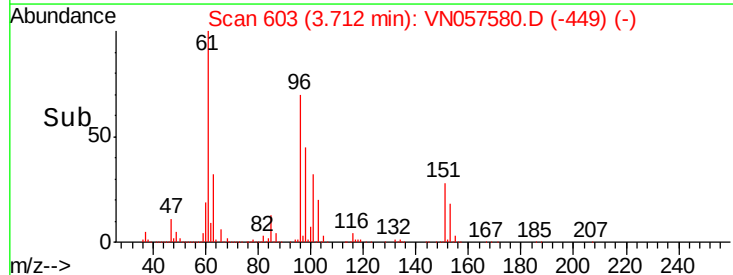
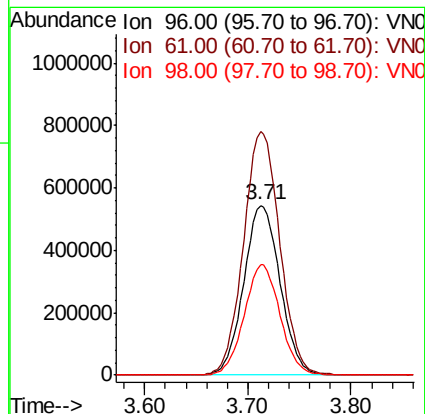
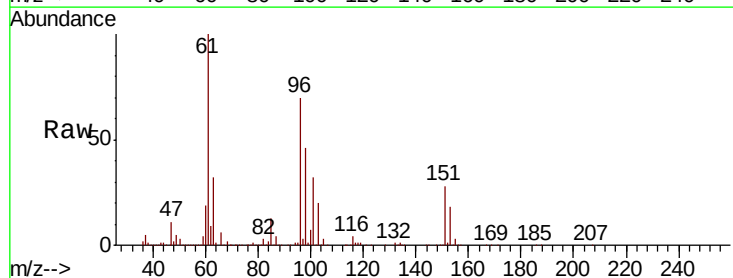
Tgt Ion: 96 Resp: 1332795

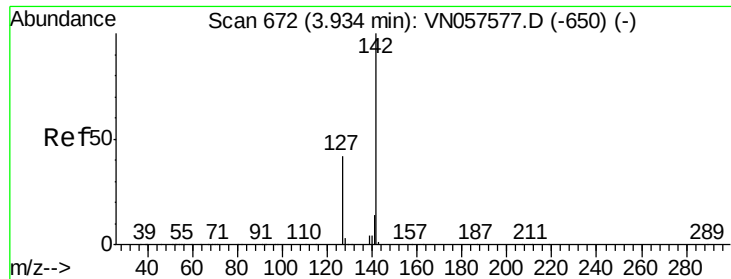
Ion Ratio Lower Upper

96 100

61 143.5 114.2 171.4

98 65.2 51.8 77.6





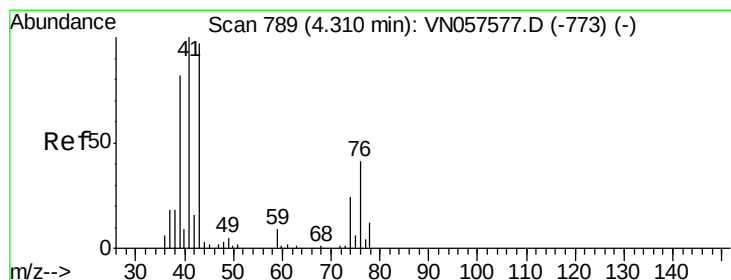
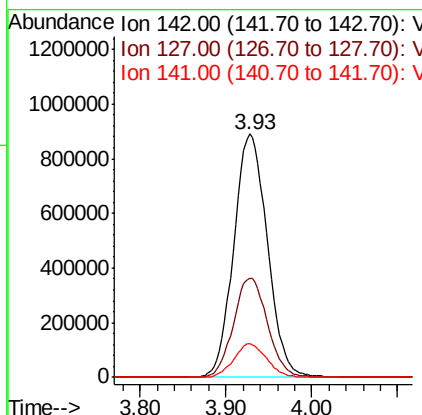
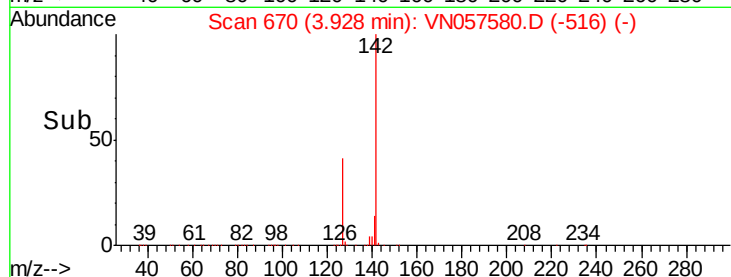
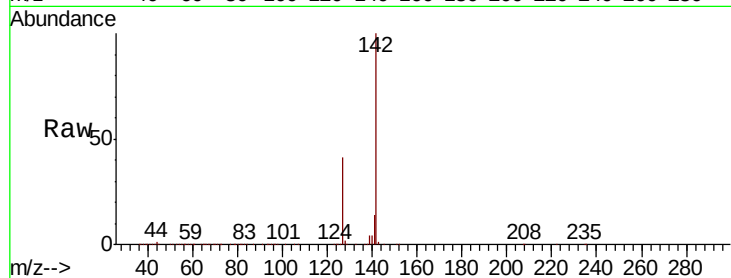
#11
Methyl Iodide
Concen: 203.881 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.8	20.8	62.4
141	13.7	6.8	20.4

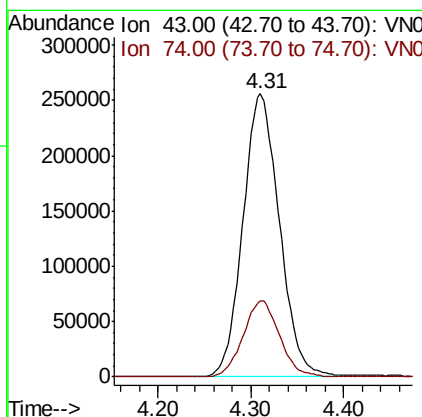
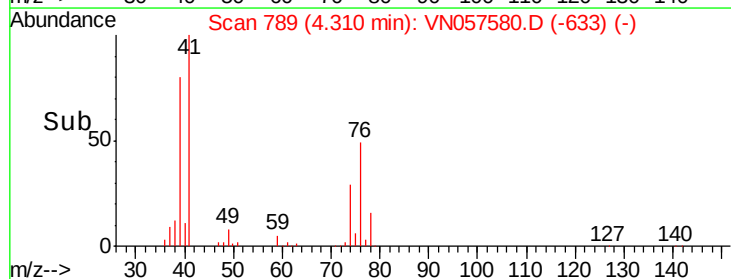
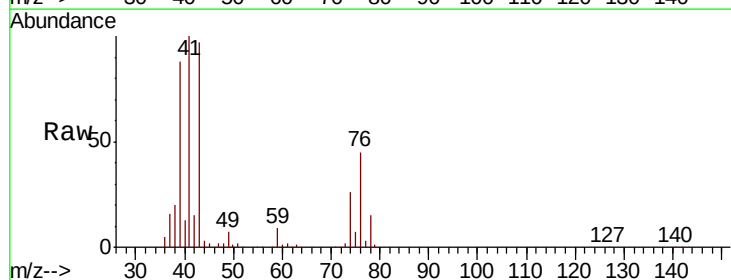
Manual Integrations
APPROVED

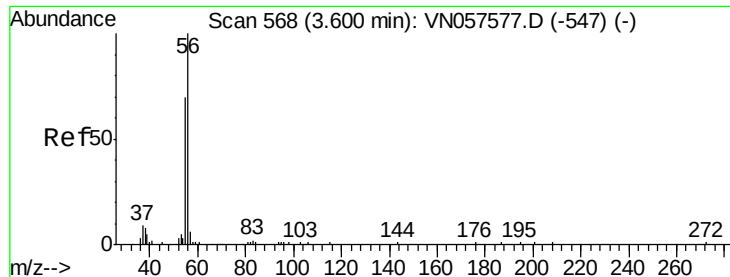
MMDadoda
8/31/2019 10:00:42 AM



#12
Methyl Acetate
Concen: 71.602 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	19.6	29.4





#13

Acrolein

Concen: 370.577 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 452423

Ion Ratio Lower Upper

56 100

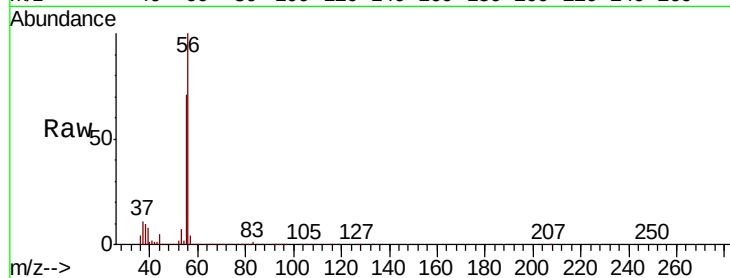
55 69.8 54.5 81.7

Manual Integrations

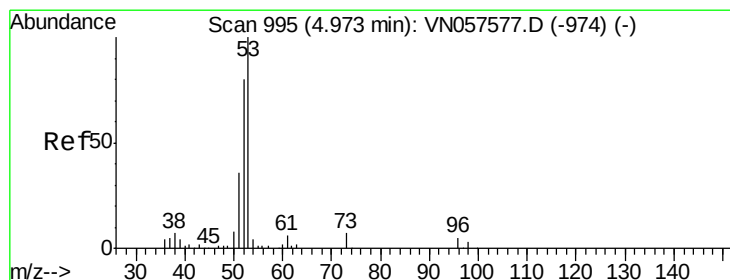
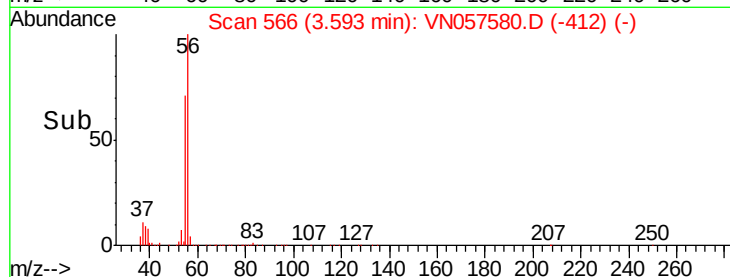
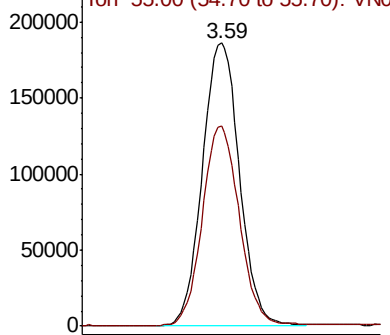
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Abundance Ion 56.00 (55.70 to 56.70): VN057577.D (-547) (-)



#14

Acrylonitrile

Concen: 461.261 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

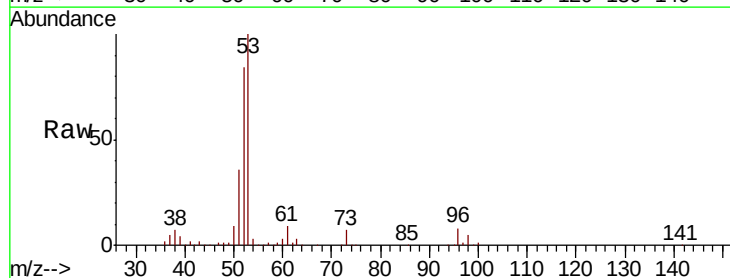
Tgt Ion: 53 Resp: 1581689

Ion Ratio Lower Upper

53 100

52 83.1 40.6 122.0

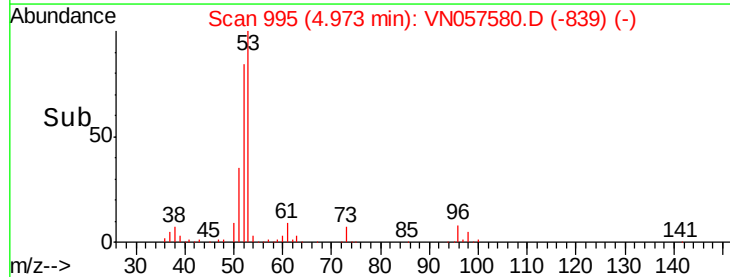
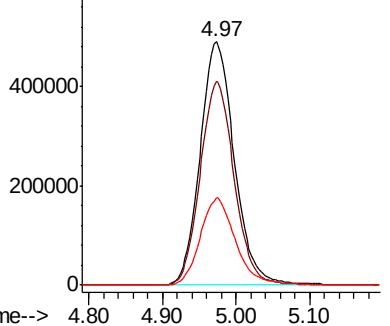
51 36.8 8.3 24.9#

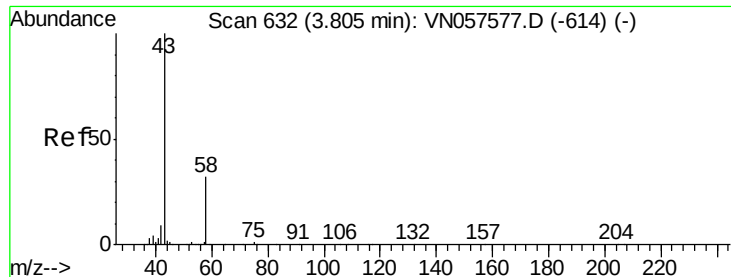


Abundance Ion 53.00 (52.70 to 53.70): VN057577.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN057577.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN057577.D (-974) (-)





#15

Acetone

Concen: 445.467 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 58 Resp: 721398

Ion Ratio Lower Upper

58 100

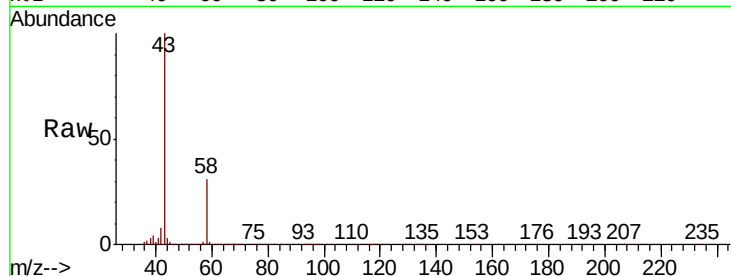
43 323.9 252.8 379.2

Manual Integrations

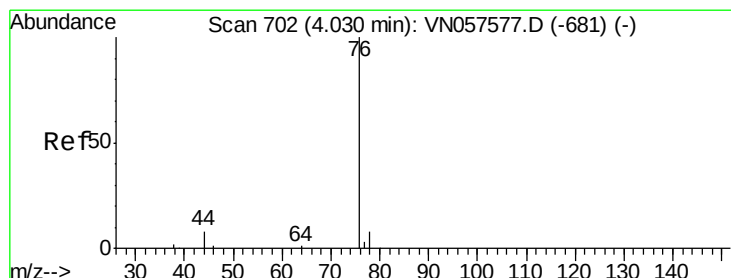
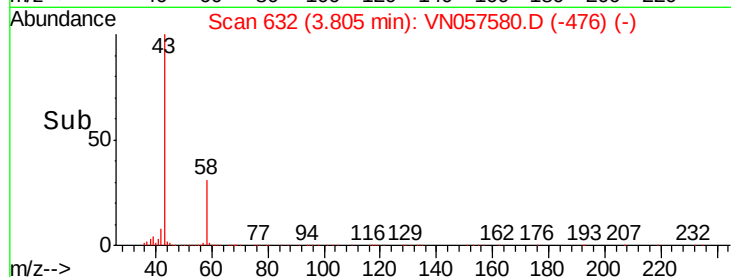
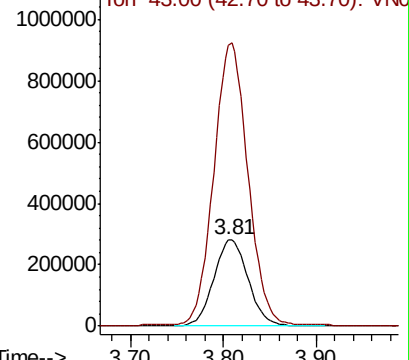
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8/31/2019 10:00:42 AM



Abundance Ion 58.00 (57.70 to 58.70): VN057577.D (-614) (-)



#16

Carbon Disulfide

Concen: 92.373 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057580.D

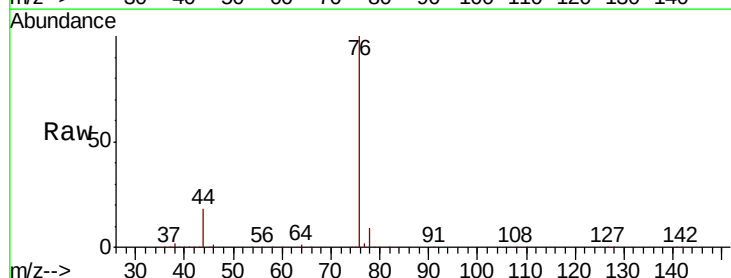
Acq: 30 Aug 2019 10:49

Tgt Ion: 76 Resp: 1602227

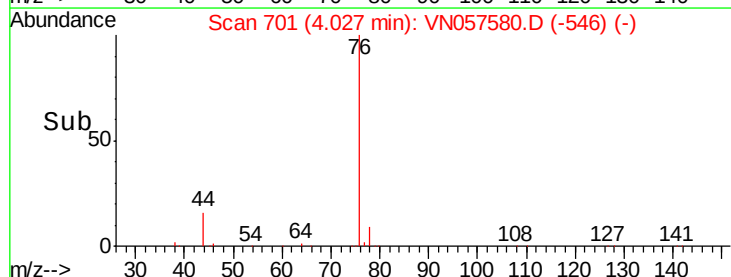
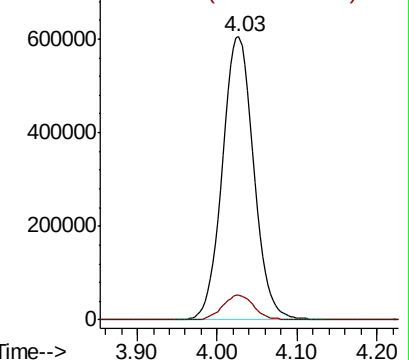
Ion Ratio Lower Upper

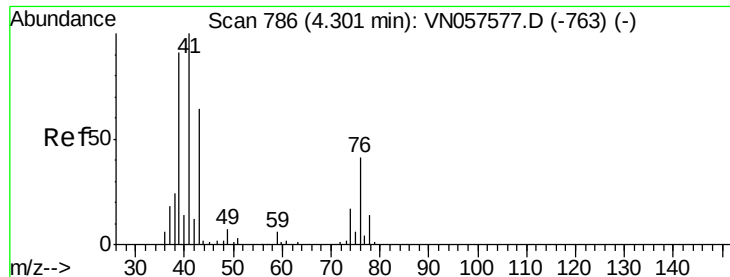
76 100

78 8.7 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN057577.D (-681) (-)





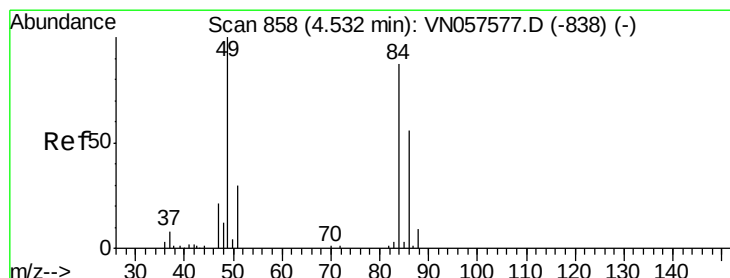
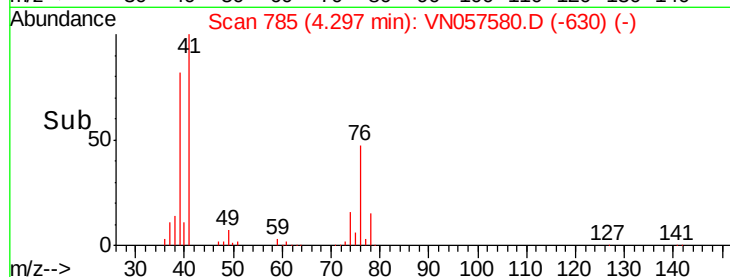
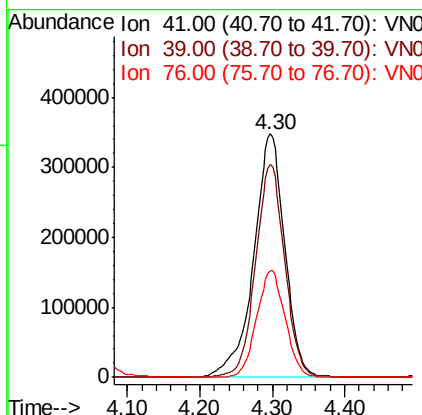
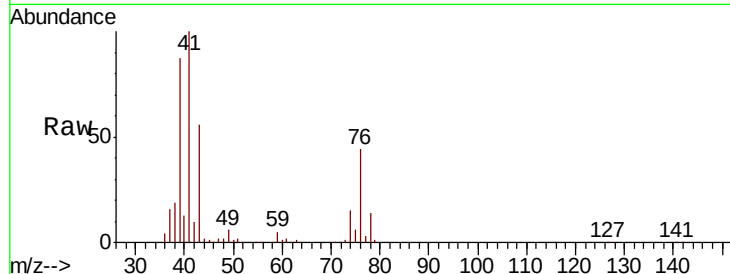
#17
 Allyl chloride
 Concen: 79.002 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 41 Resp: 1035680
 Ion Ratio Lower Upper
 41 100
 39 87.5 44.6 134.0
 76 43.9 19.8 59.3

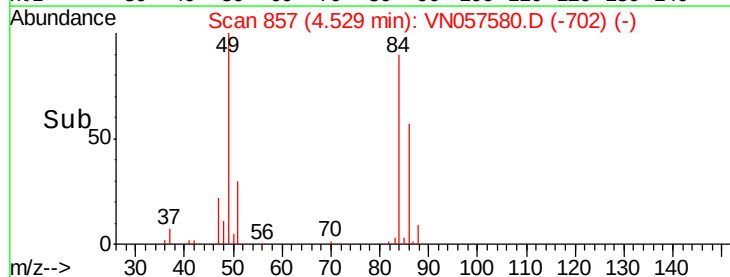
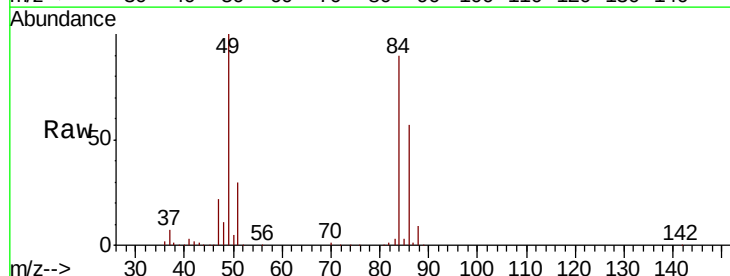
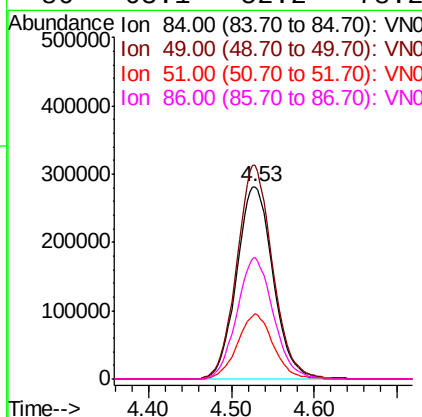
Manual Integrations
 APPROVED

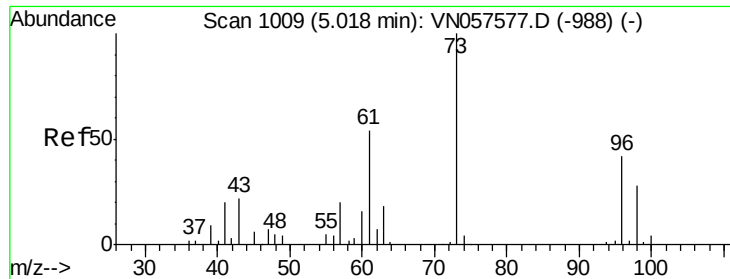
MMDadoda
 8/31/2019 10:00:42 AM



#18
 Methylene Chloride
 Concen: 115.050 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 84 Resp: 859617
 Ion Ratio Lower Upper
 84 100
 49 110.9 92.4 138.6
 51 33.7 27.9 41.9
 86 63.1 52.2 78.2





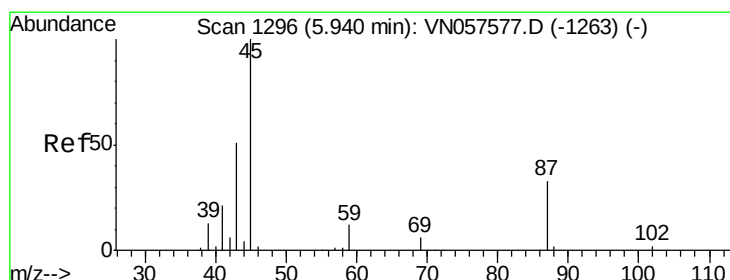
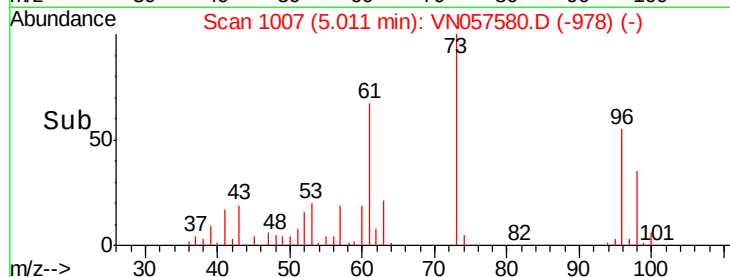
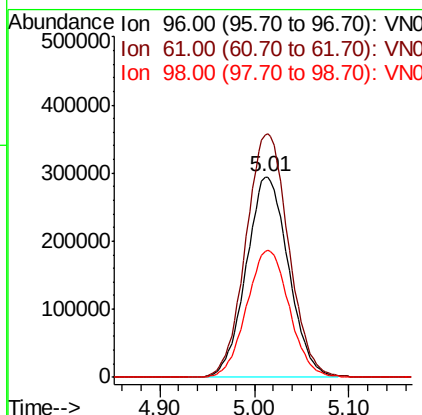
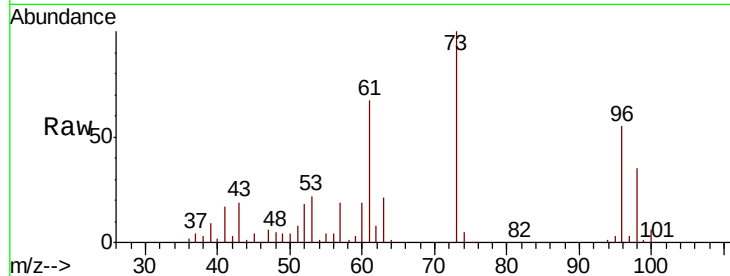
#19
trans-1,2-Dichloroethene
Concen: 128.548 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.2	102.6	153.8
98	62.8	52.6	79.0

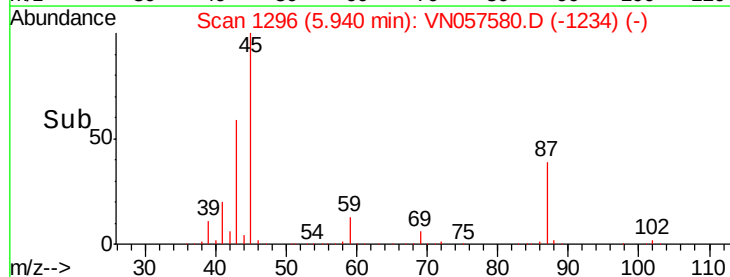
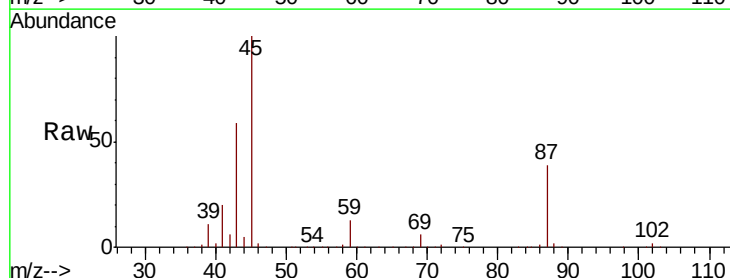
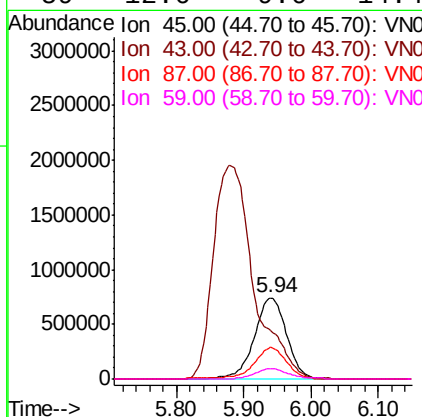
Manual Integrations
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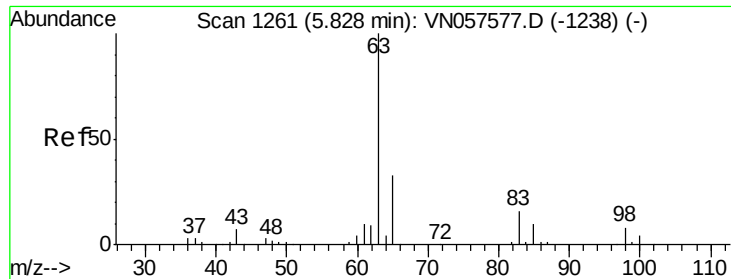
MMDadoda
8/31/2019 10:00:42 AM



#20
Diisopropyl ether
Concen: 87.269 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	51.9	77.9
87	39.0	27.3	40.9
59	12.6	9.6	14.4





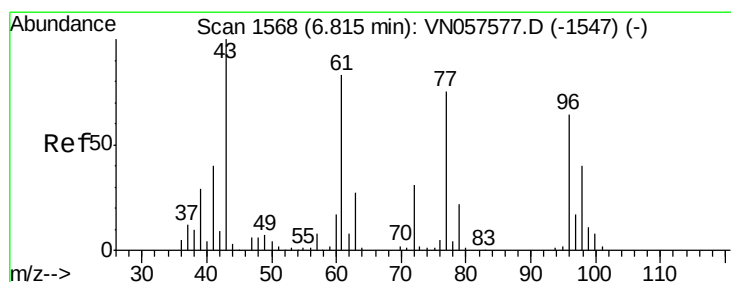
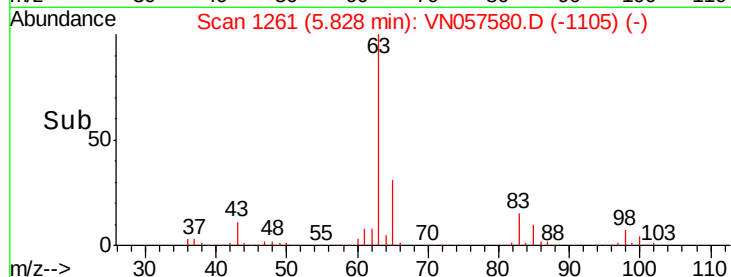
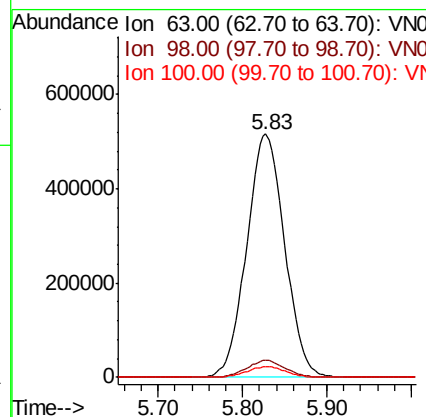
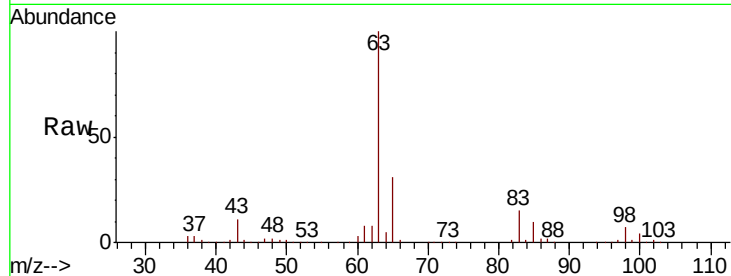
#21
 1,1-Dichloroethane
 Concen: 106.883 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1613153
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.8 11.2
 100 4.5 2.0 6.0

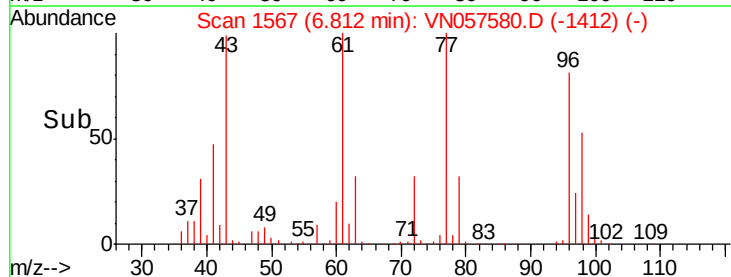
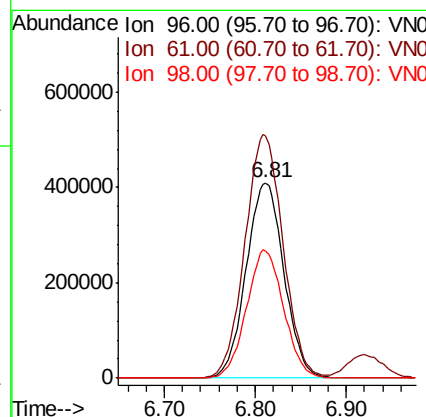
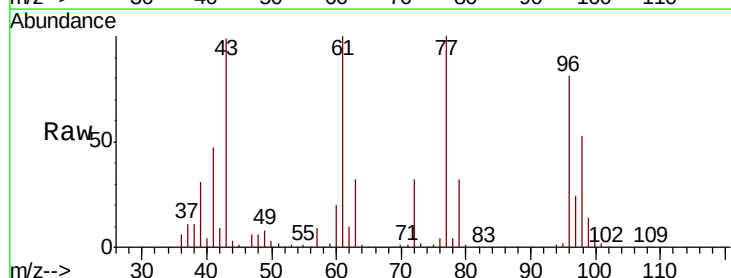
Manual Integrations
 APPROVED

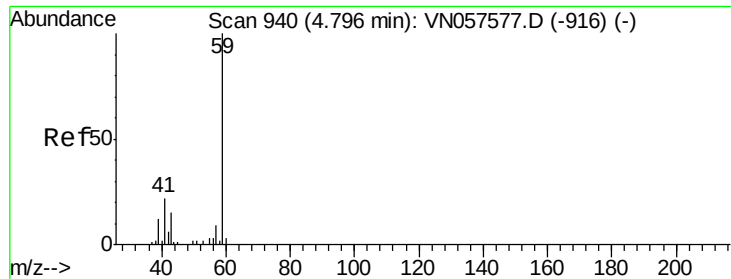
MMDadoda
 8/31/2019 10:00:42 AM



#22
 cis-1,2-Dichloroethene
 Concen: 135.977 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 96 Resp: 1183160
 Ion Ratio Lower Upper
 96 100
 61 125.8 110.5 165.7
 98 64.3 51.1 76.7





#23

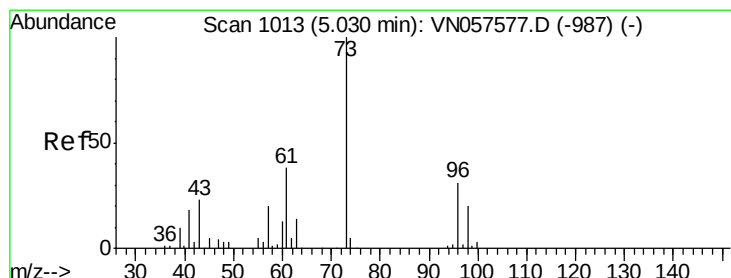
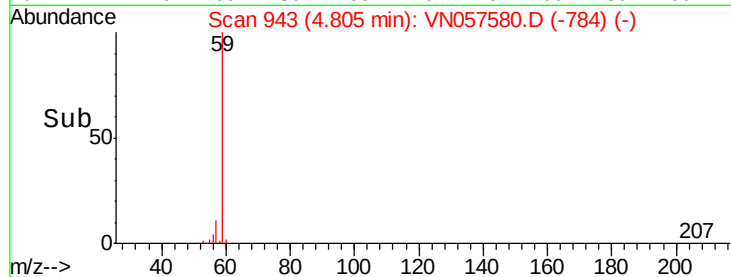
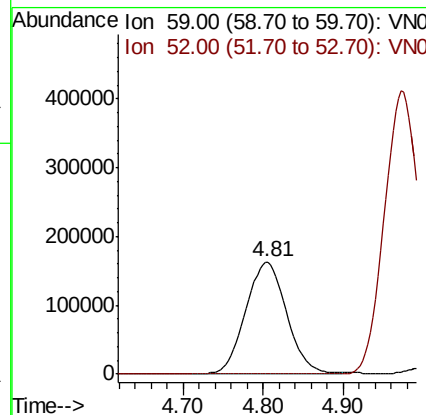
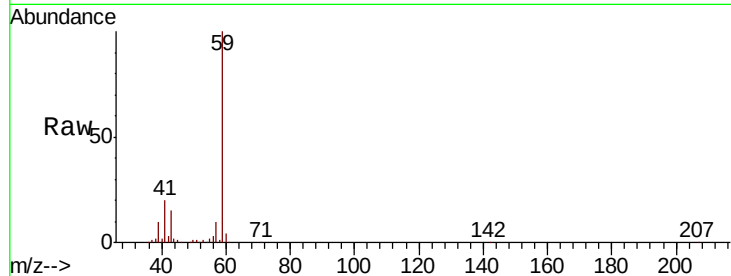
tert-Butyl Alcohol
Concen: 453.821 ug/l
RT: 4.81 min Scan# 943
Delta R.T. 0.01 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 568713
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

Manual Integrations
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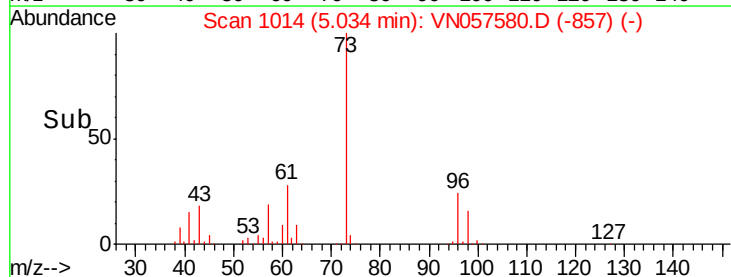
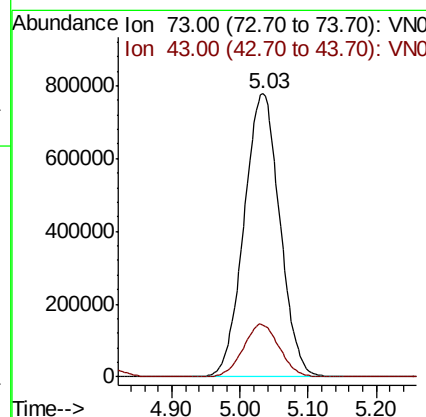
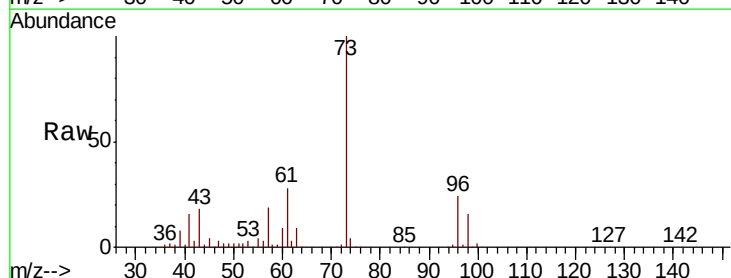
MMDadoda
8/31/2019 10:00:42 AM

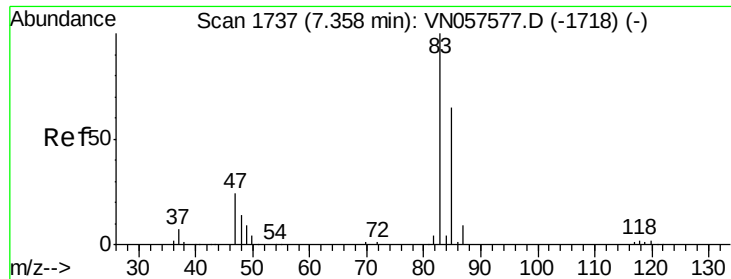


#24

Methyl tert-Butyl Ether
Concen: 120.489 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 73 Resp: 2834320
Ion Ratio Lower Upper
73 100
43 18.6 18.4 27.6





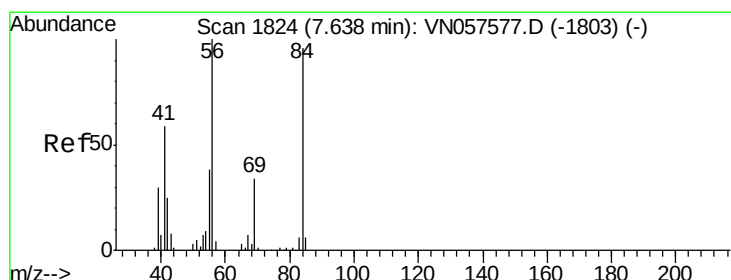
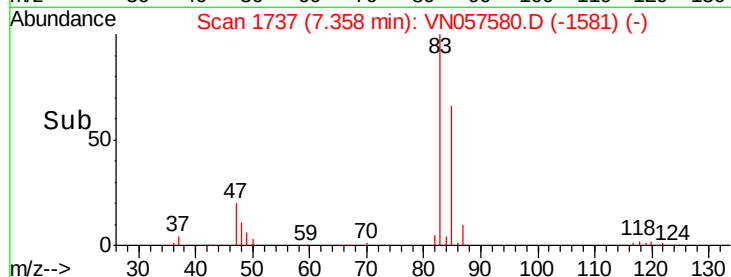
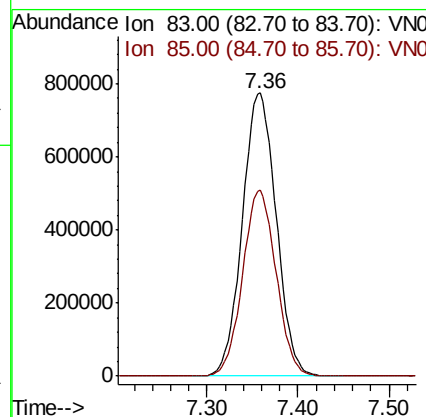
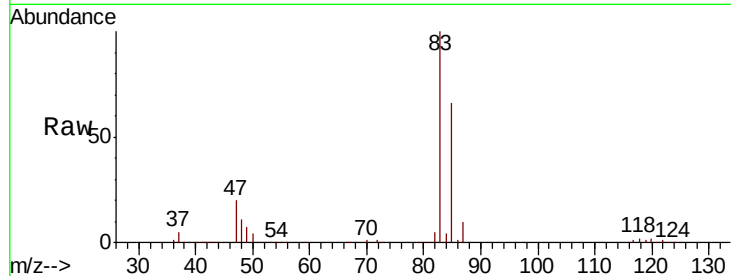
#25
Chloroform
Concen: 129.311 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 2003231
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6

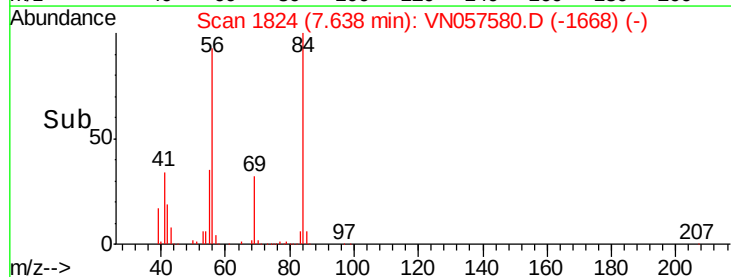
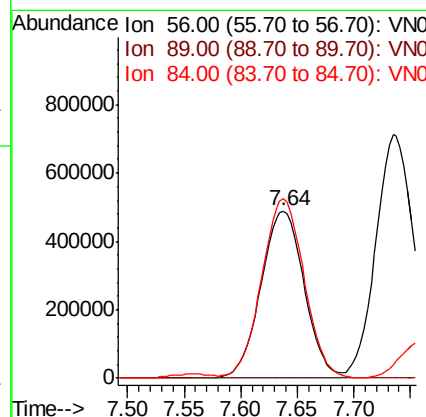
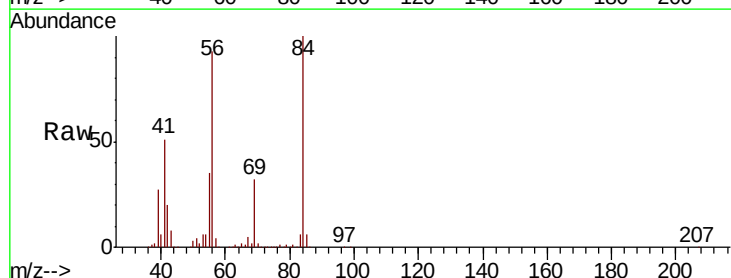
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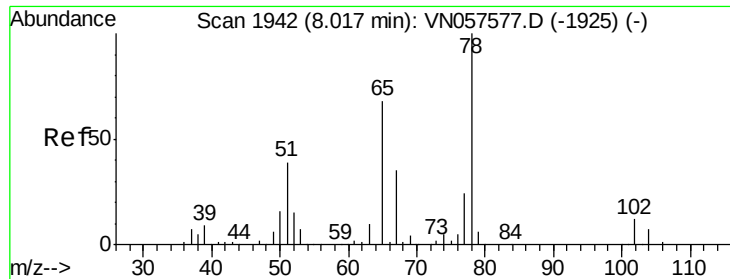
MMDadoda
8/31/2019 10:00:42 AM



#26
Cyclohexane
Concen: 96.835 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 56 Resp: 1295164
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 105.8 75.9 113.9





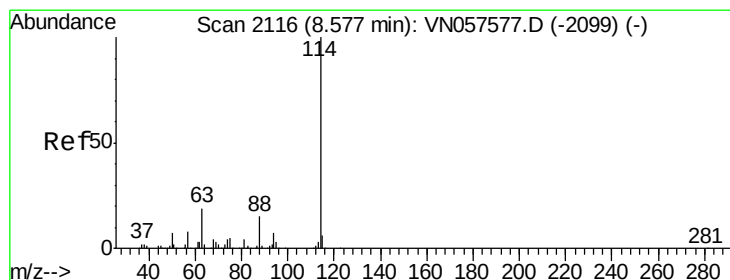
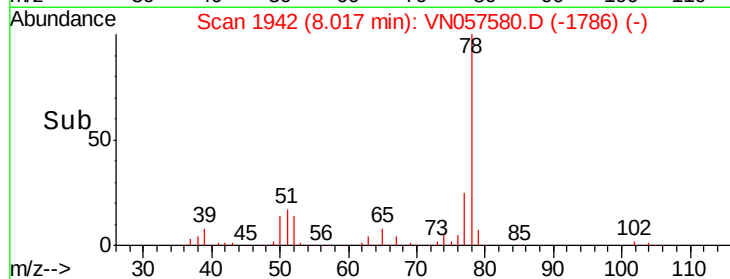
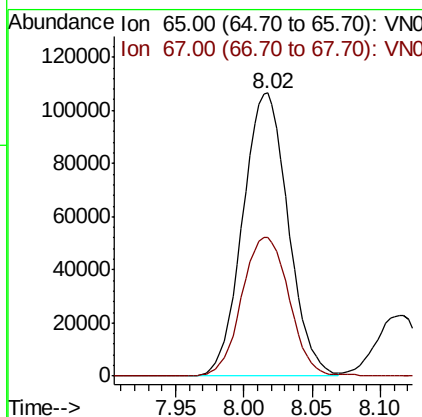
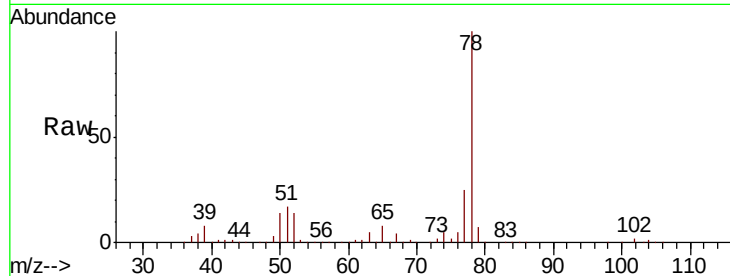
#27
 1,2-Dichloroethane-d4
 Concen: 21.713 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	246115		
67	51.1	39.8	59.6	

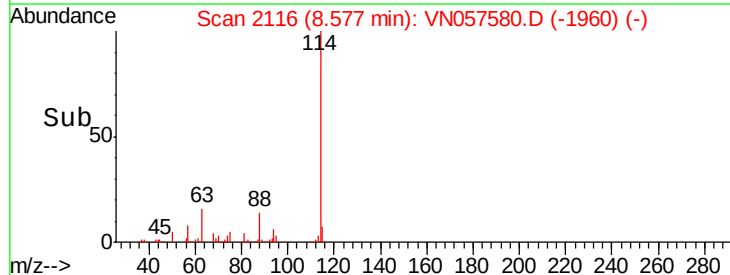
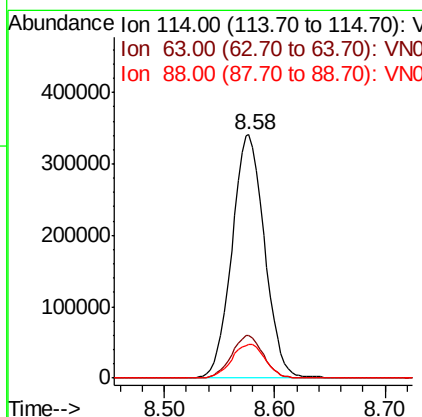
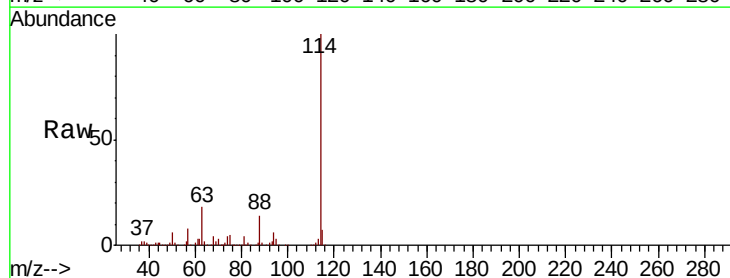
Manual Integrations
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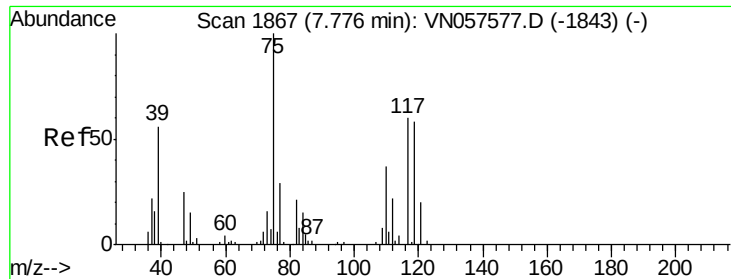
MMDadoda
 8/31/2019 10:00:42 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	697337		
63	17.2	15.4	23.0	
88	14.5	11.8	17.8	





#29

1,1-Dichloropropene

Concen: 119.468 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 1371741

Ion Ratio Lower Upper

75 100

110 39.0 0.0 75.4

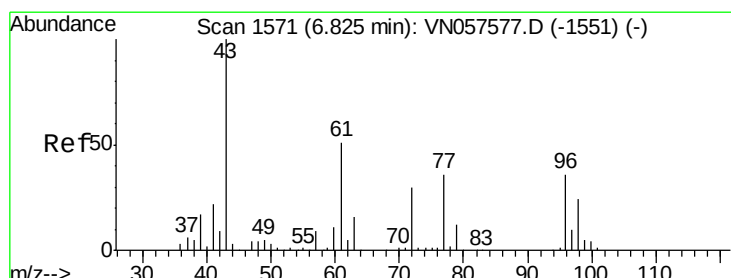
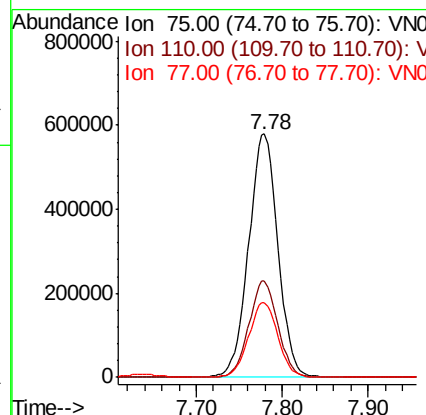
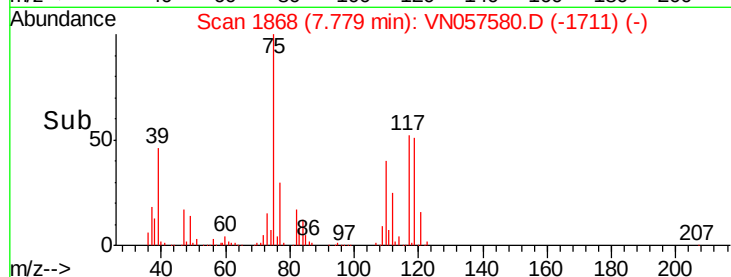
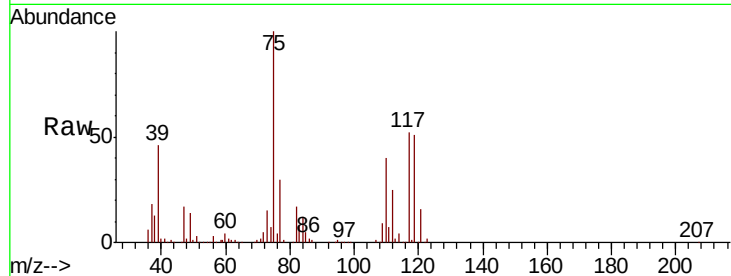
77 30.9 0.0 61.0

Manual Integrations

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#30

2-Butanone

Concen: 397.751 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

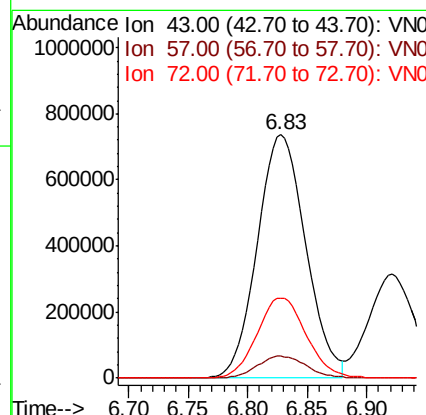
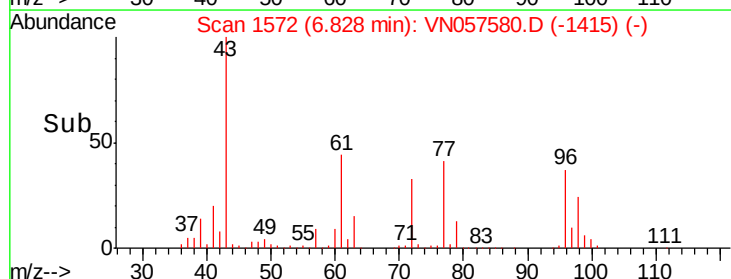
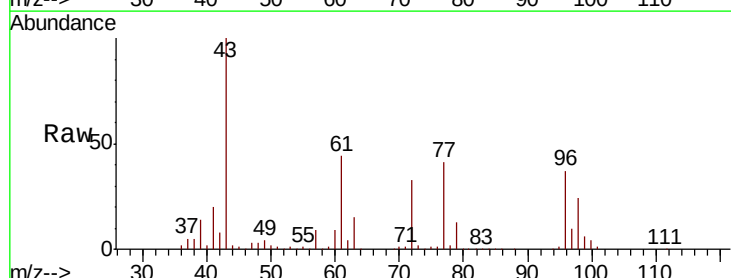
Tgt Ion: 43 Resp: 2072689

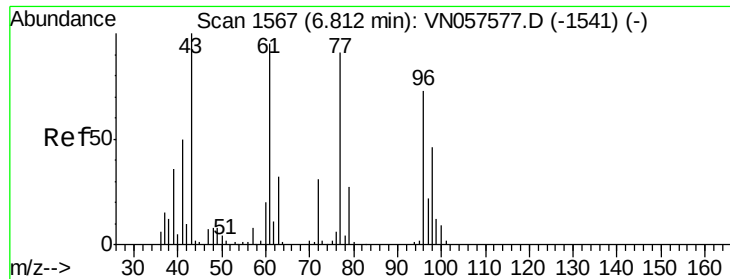
Ion Ratio Lower Upper

43 100

57 9.2 3.5 5.3#

72 33.7 24.6 36.8





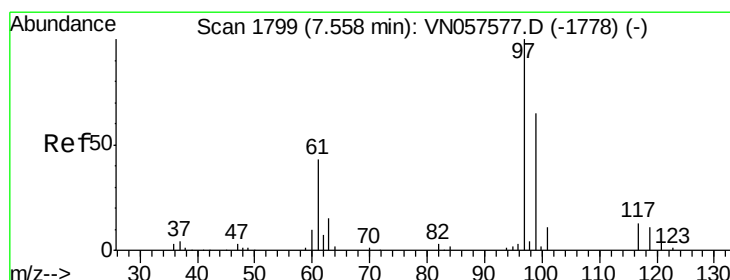
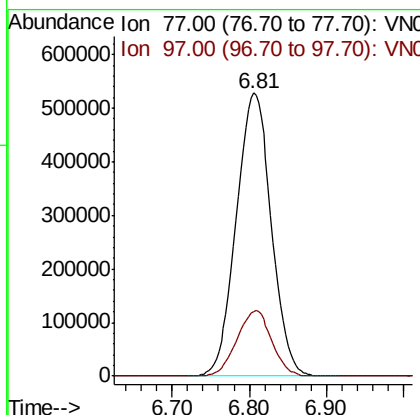
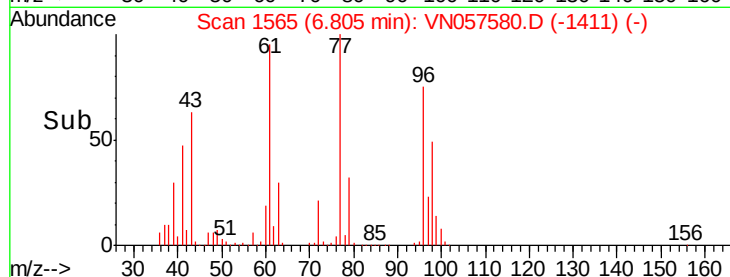
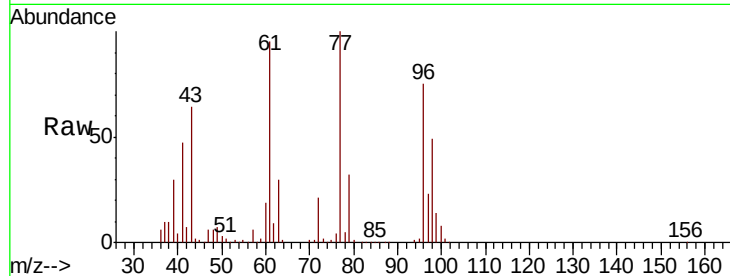
#31
 2,2-Dichloropropane
 Concen: 126.406 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 77 Resp: 1661988
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.9 28.3

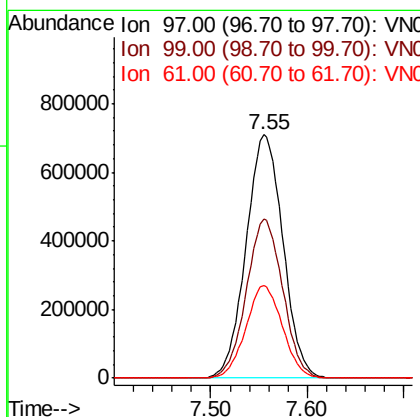
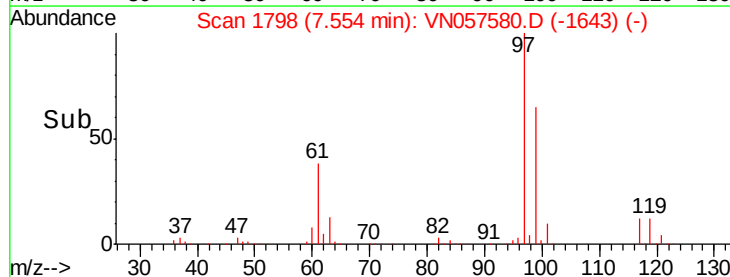
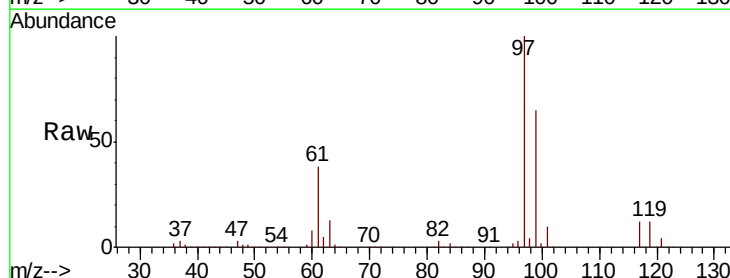
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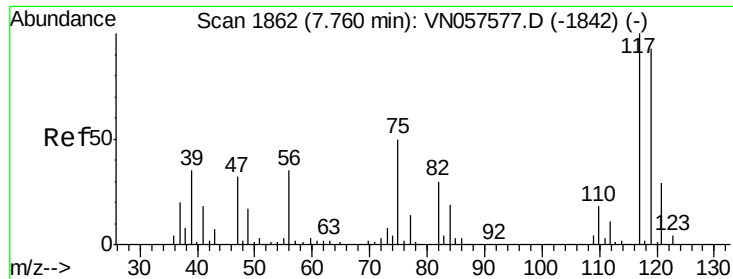
MMDadoda
 8/31/2019 10:00:42 AM



#32
 1,1,1-Trichloroethane
 Concen: 139.576 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 97 Resp: 1877771
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 37.9 34.4 51.6





#33

Carbon Tetrachloride

Concen: 146.379 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 117 Resp: 1638932

Ion Ratio Lower Upper

117 100

119 96.2 74.6 111.8

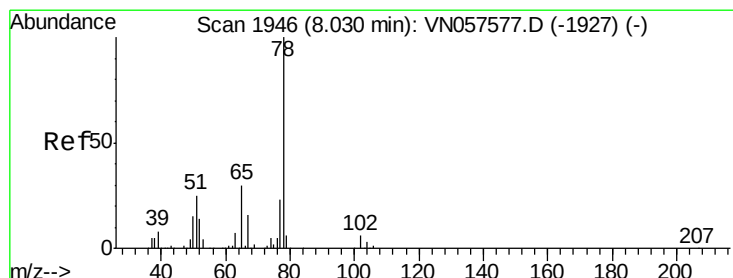
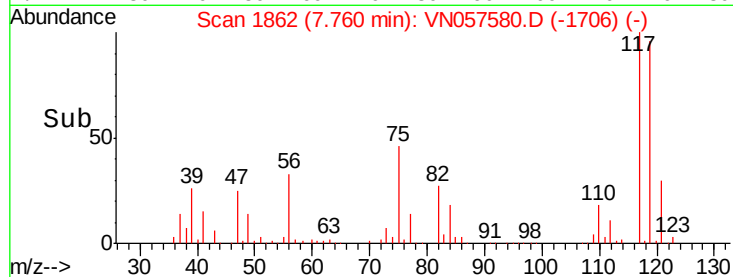
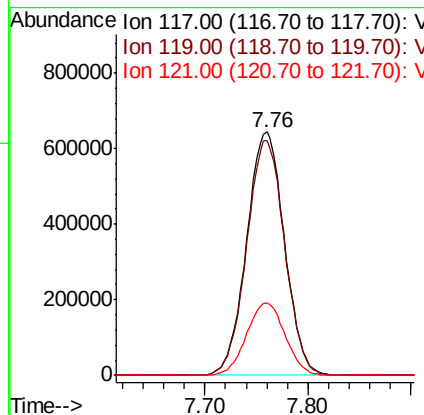
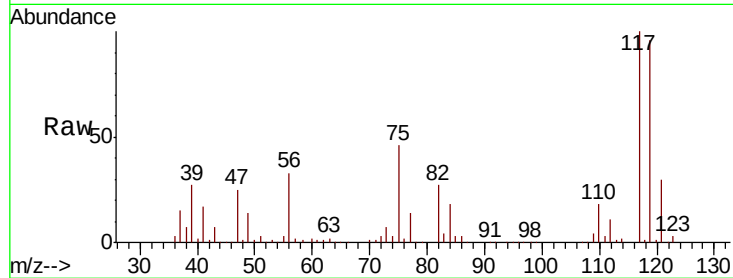
121 29.6 23.5 35.3

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#34

Benzene

Concen: 116.329 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

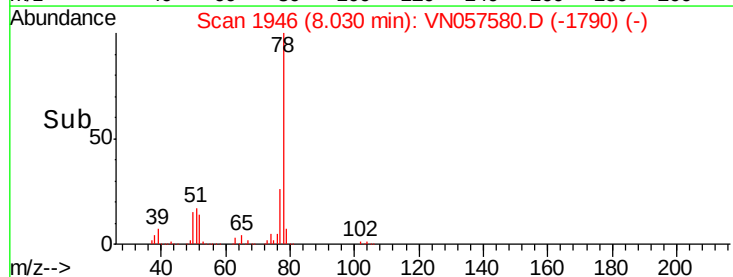
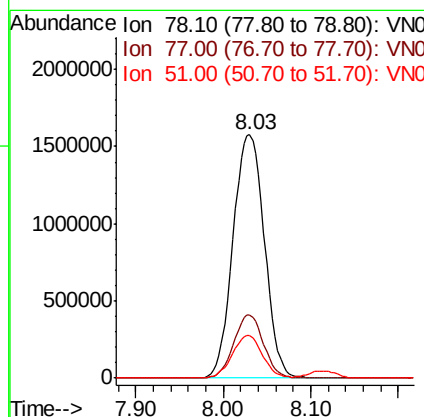
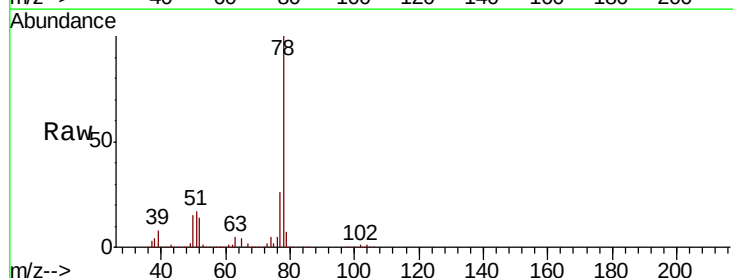
Tgt Ion: 78 Resp: 3931663

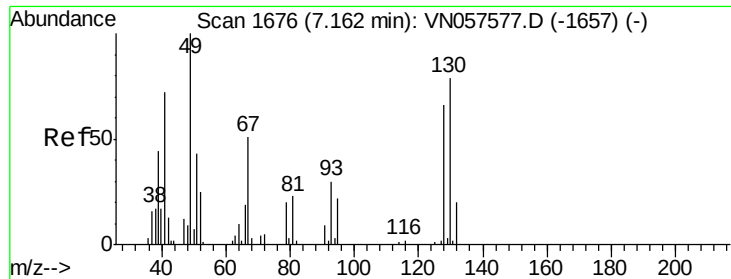
Ion Ratio Lower Upper

78 100

77 25.9 18.2 27.4

51 17.3 20.2 30.4#





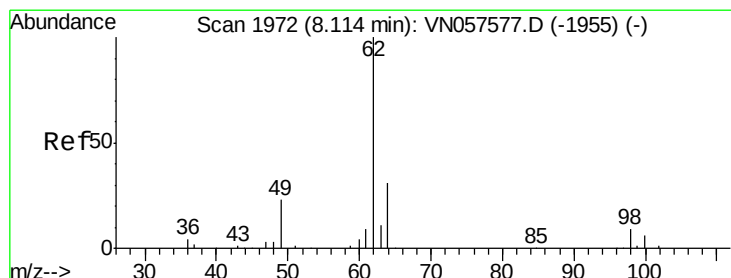
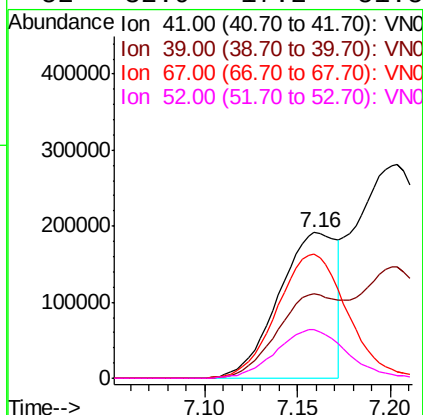
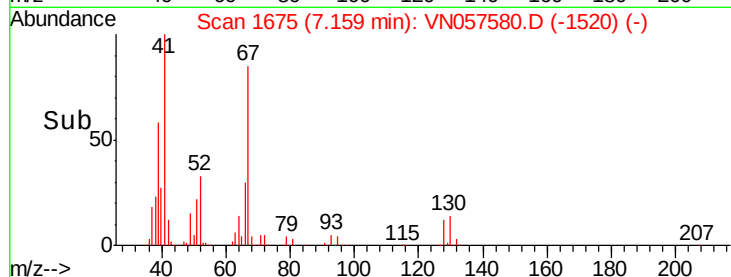
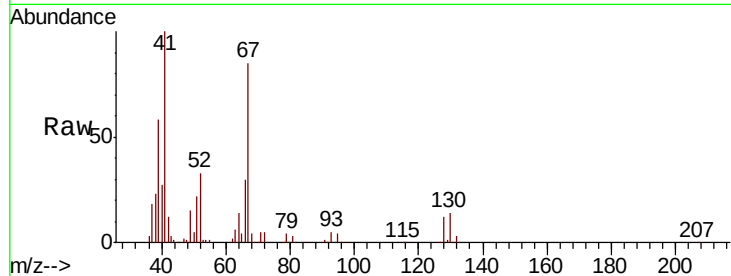
#35
Methacrylonitrile
Concen: 80.490 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.6	30.4	91.2
67	85.4	35.6	106.8
52	32.9	17.2	51.5

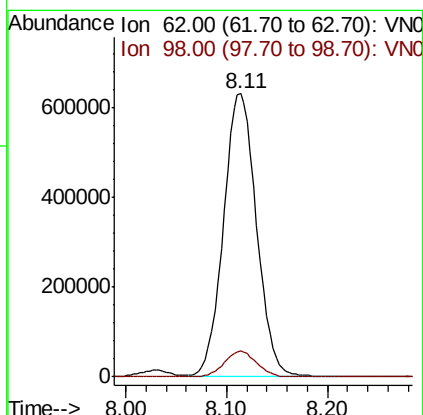
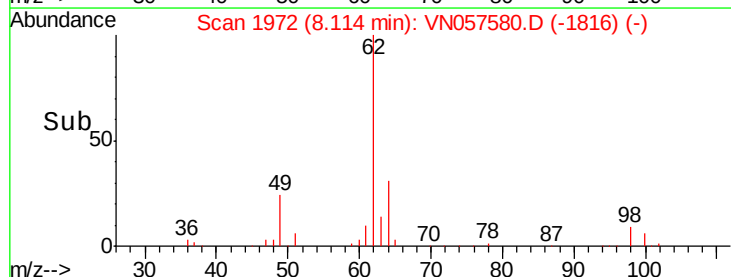
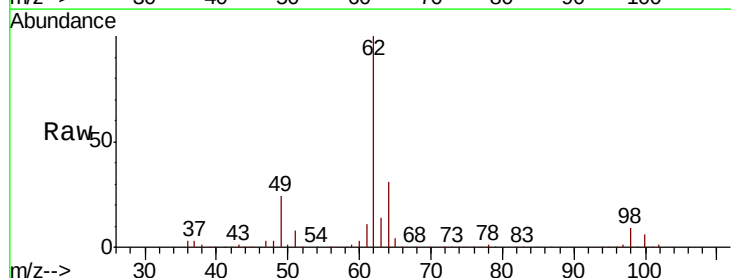
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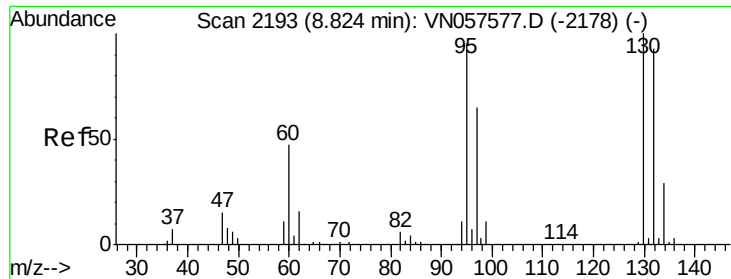
MMDadoda
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#36
1,2-Dichloroethane
Concen: 108.368 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.8	10.2





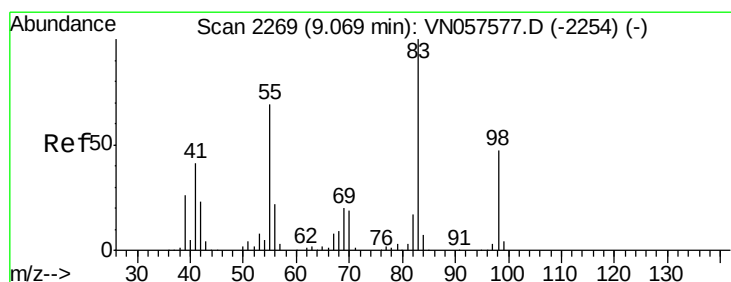
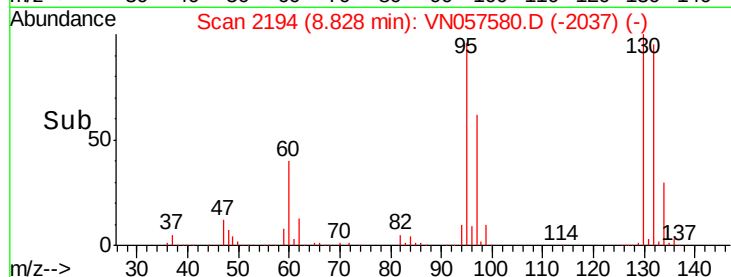
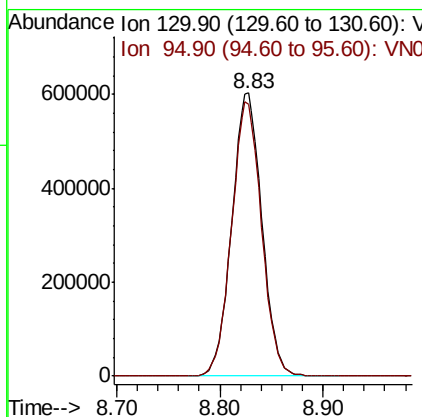
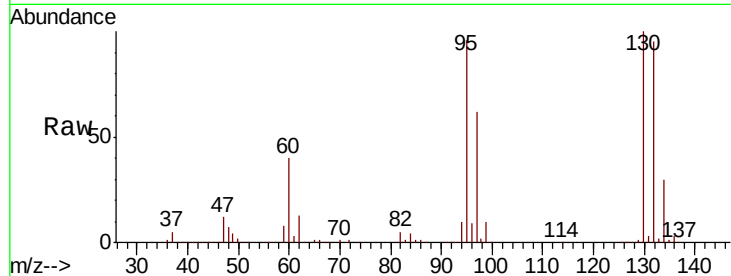
#37
 Trichloroethene
 Concen: 152.236 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:130 Resp: 1222075
 Ion Ratio Lower Upper
 130 100
 95 95.8 76.2 114.2

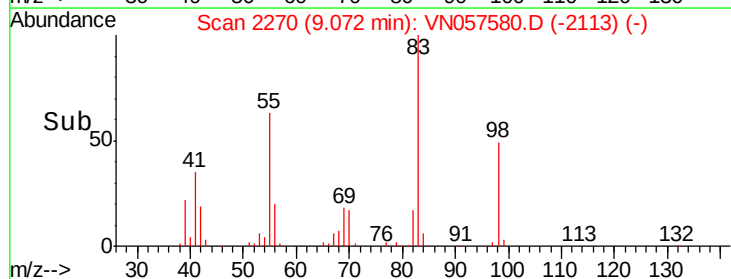
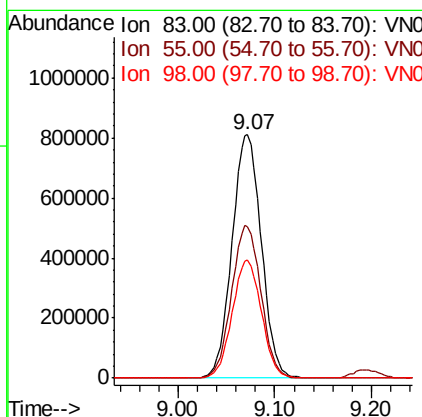
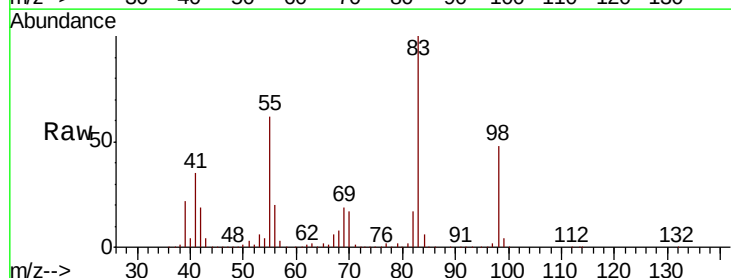
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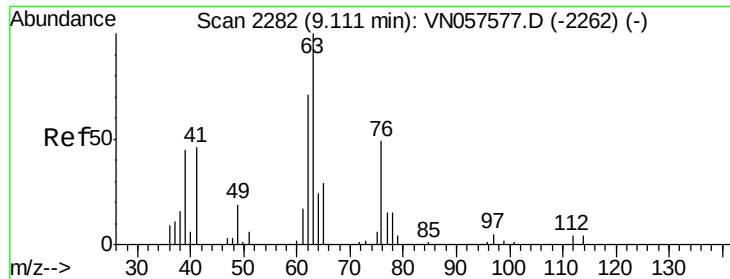
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 8/31/2019 10:00:42 AM



#38
 Methylcyclohexane
 Concen: 130.061 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 83 Resp: 1706211
 Ion Ratio Lower Upper
 83 100
 55 63.0 34.5 103.6
 98 48.4 23.4 70.3





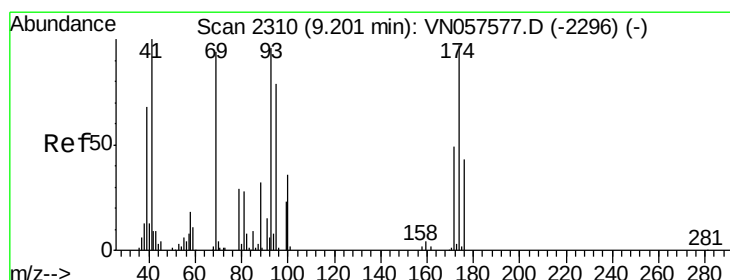
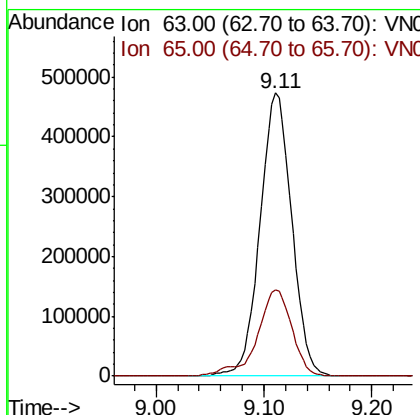
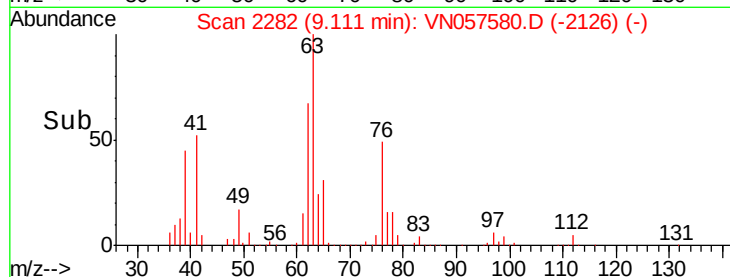
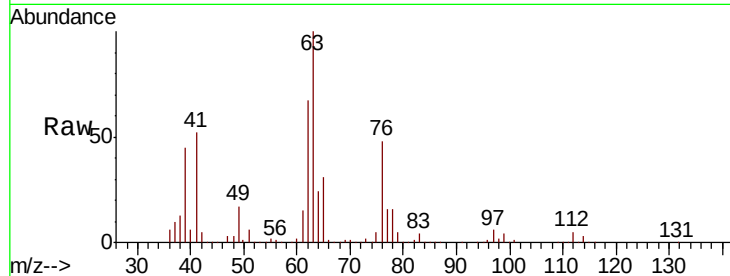
#39
 1,2-Dichloropropane
 Concen: 102.984 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 63 Resp: 964794
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.2 36.2

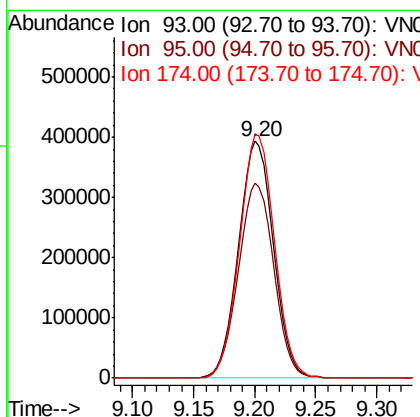
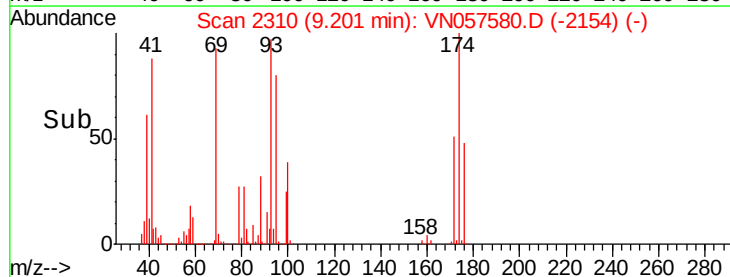
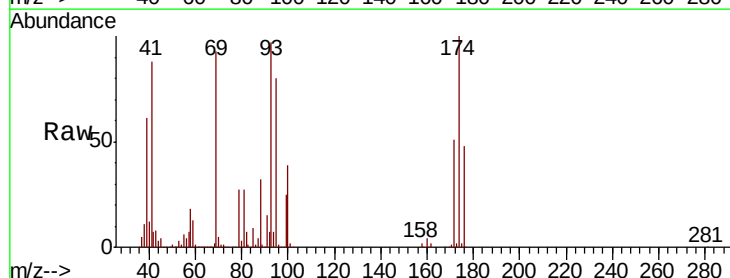
Manual Integrations
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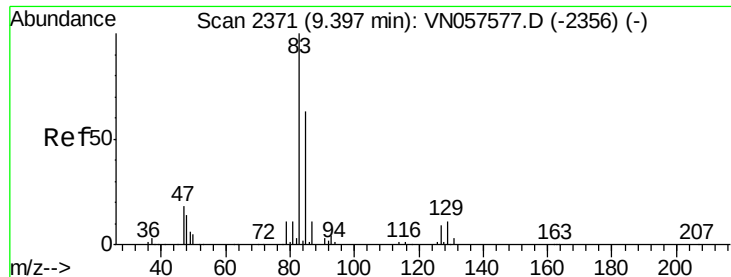
MMDadoda
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#40
 Dibromomethane
 Concen: 130.575 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 93 Resp: 779197
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 162.8
 174 102.8 0.0 199.2





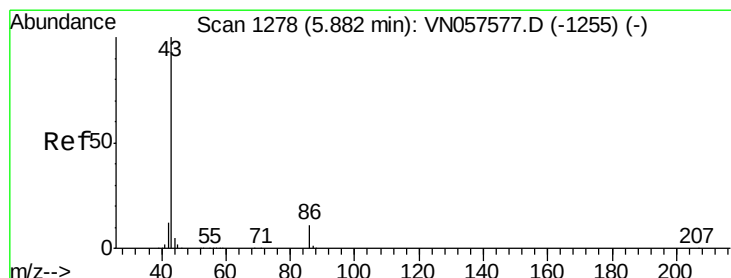
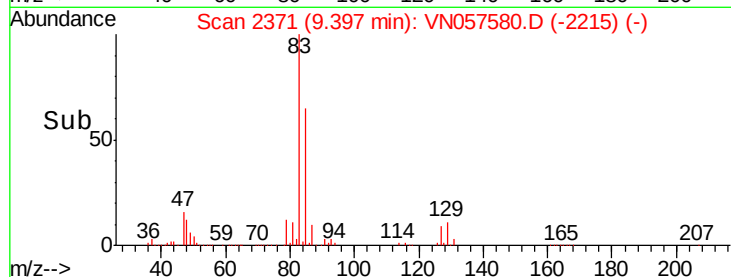
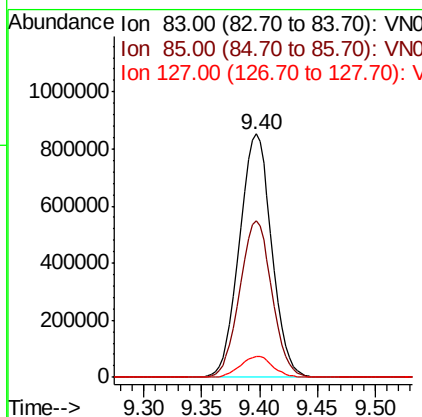
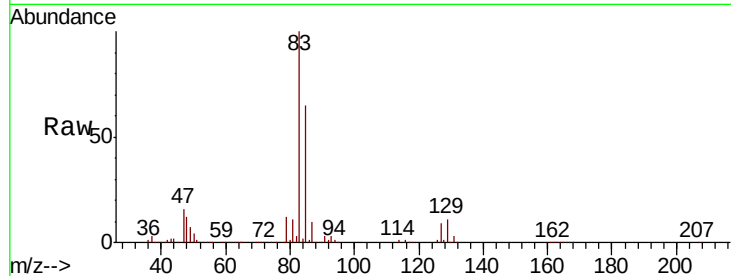
#41
 Bromodichloromethane
 Concen: 131.001 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 83 Resp: 1651229
 Ion Ratio Lower Upper
 83 100
 85 64.6 50.3 75.5
 127 8.8 7.4 11.2

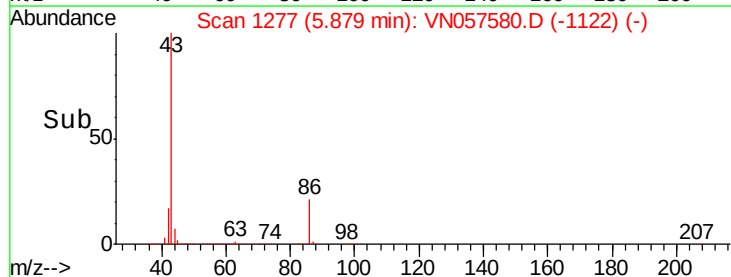
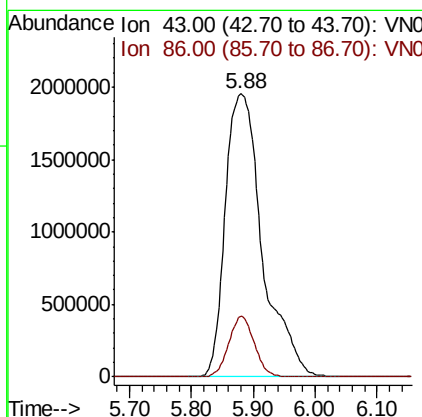
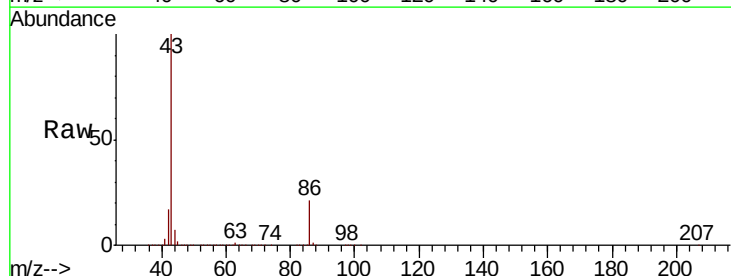
Manual Integrations
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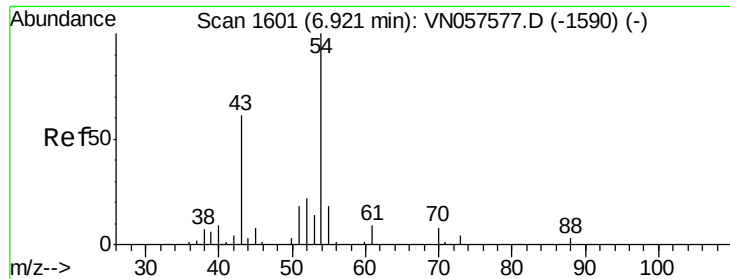
MMDadoda
 8/31/2019 10:00:42 AM



#42
 Vinyl Acetate
 Concen: 346.154 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 8140284
 Ion Ratio Lower Upper
 43 100
 86 14.8 8.1 12.1#





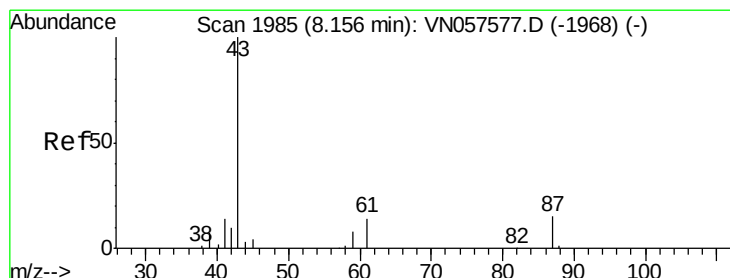
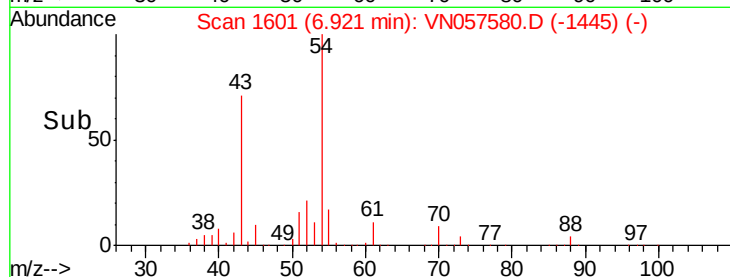
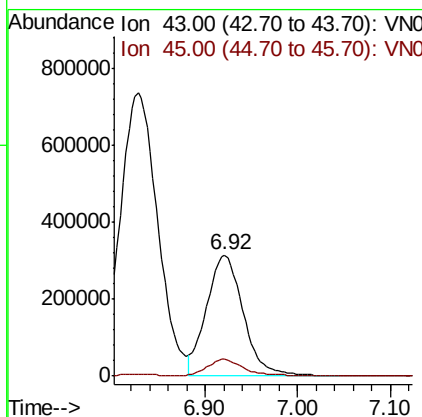
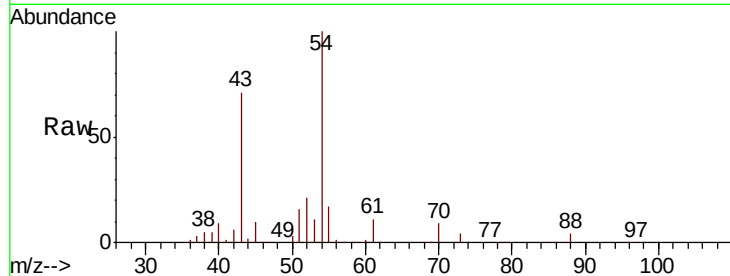
#43
Ethyl Acetate
Concen: 84.015 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 855796
Ion Ratio Lower Upper
43 100
45 13.7 9.9 14.9

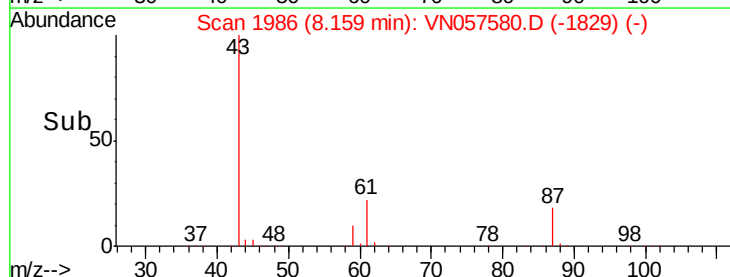
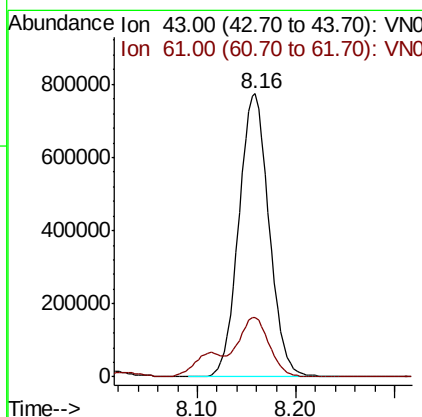
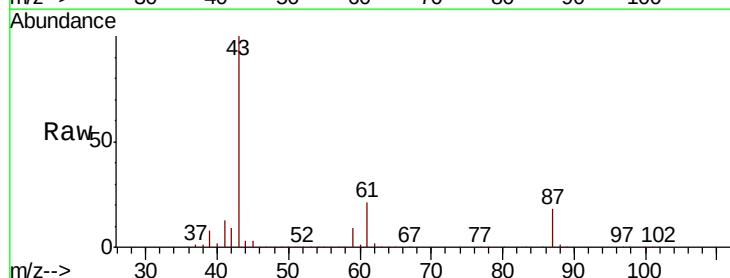
Manual Integrations
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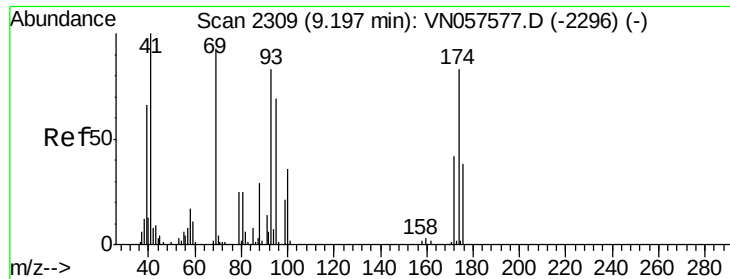
MMDadoda
8/31/2019 10:00:42 AM



#44
Isopropyl Acetate
Concen: 83.783 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 43 Resp: 1636720
Ion Ratio Lower Upper
43 100
61 21.5 16.0 24.0





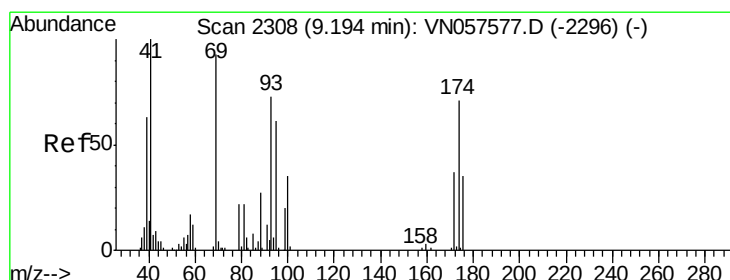
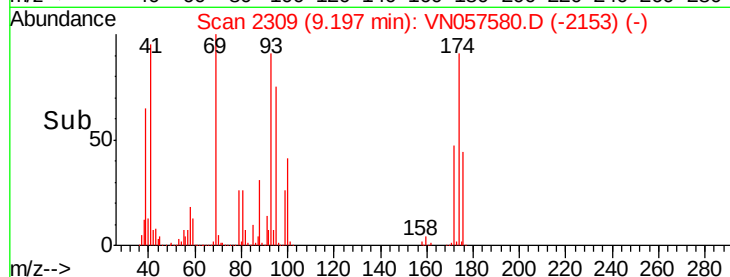
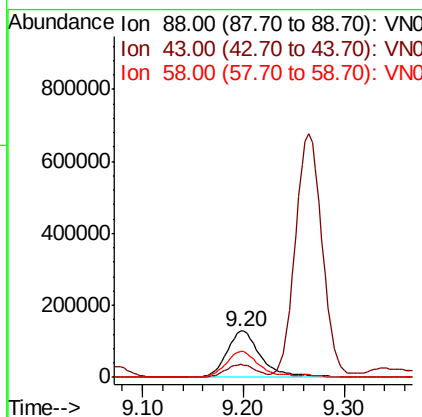
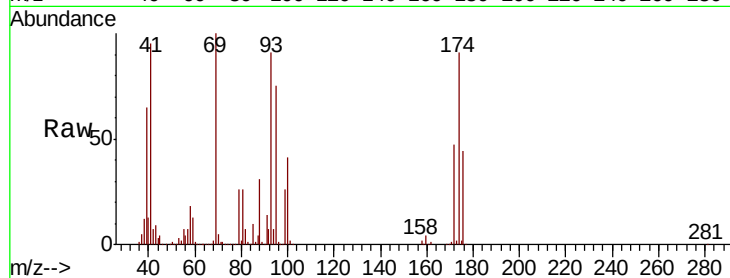
#45
1,4-Dioxane
Concen: 2463.187 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	23.6	18.2	27.4
58	54.5	45.0	67.6

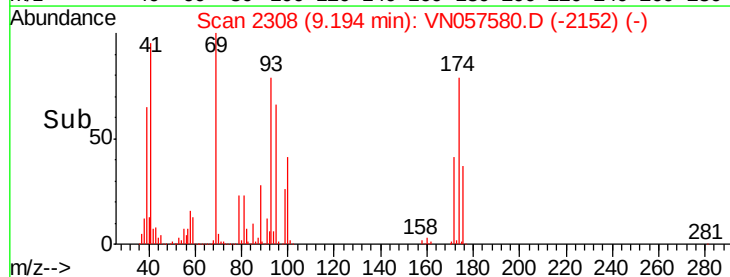
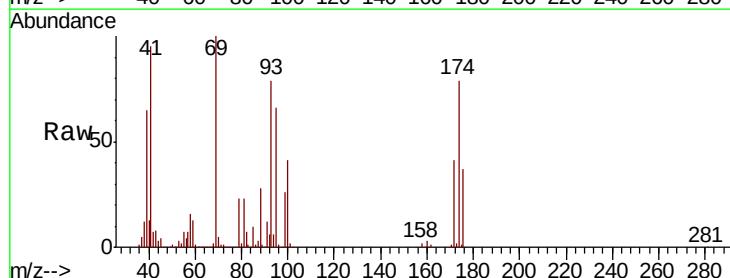
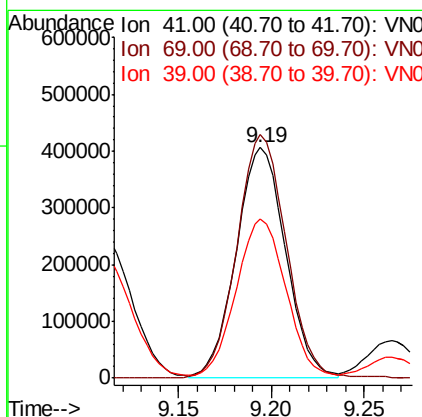
Manual Integrations
APPROVED

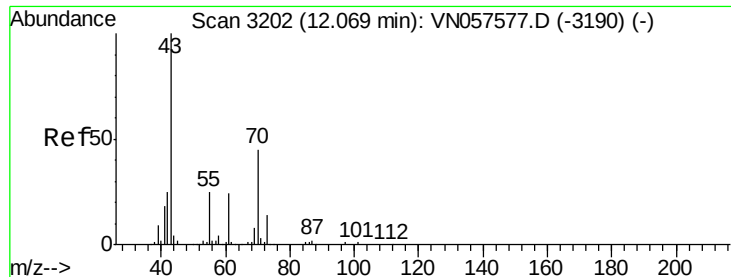
MMDadoda
8/31/2019 10:00:42 AM



#46
Methyl methacrylate
Concen: 80.302 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	106.0	46.4	139.1
39	68.6	31.6	94.8





#47

n-amyl Acetate

Concen: 94.467 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 43 Resp: 1503980

Ion Ratio Lower Upper

43 100

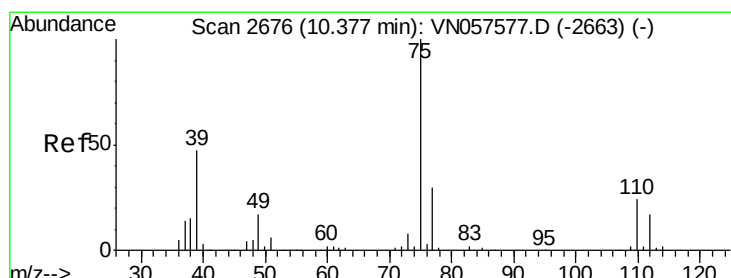
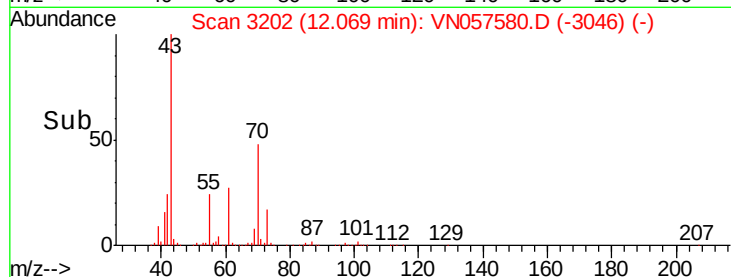
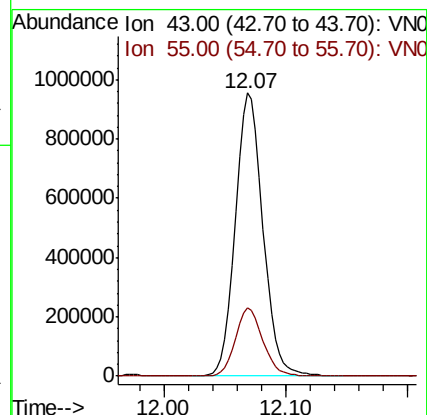
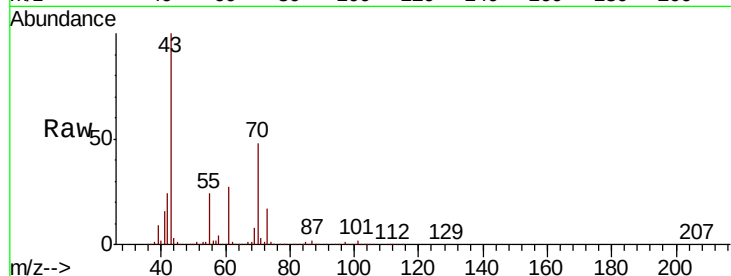
55 24.0 20.2 30.2

Manual Integrations

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MMDadoda

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#48

t-1,3-Dichloropropene

Concen: 128.980 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057580.D

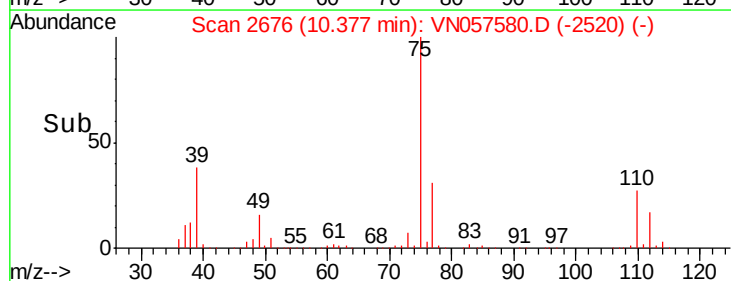
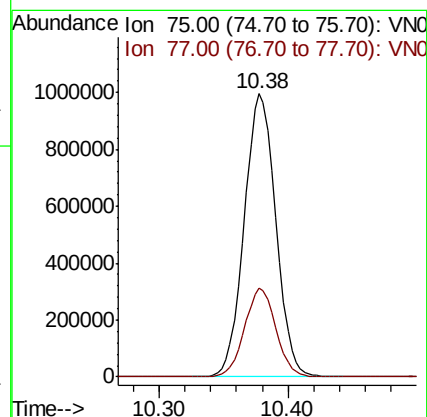
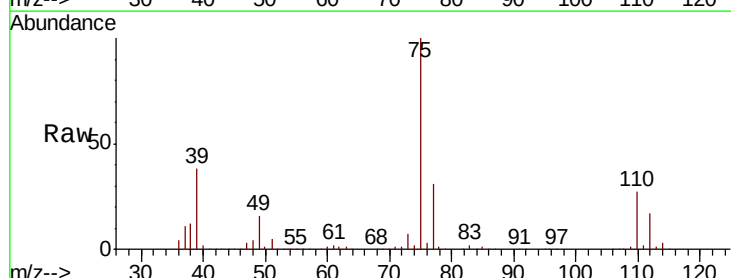
Acq: 30 Aug 2019 10:49

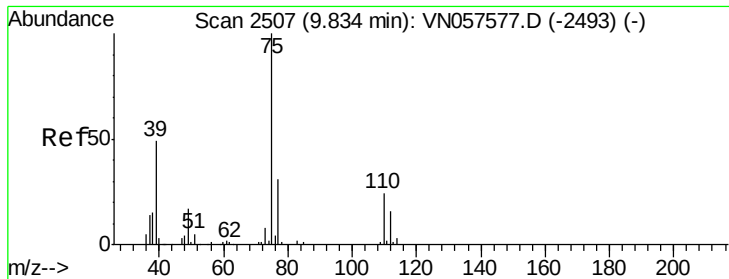
Tgt Ion: 75 Resp: 1696791

Ion Ratio Lower Upper

75 100

77 31.2 23.8 35.6





#49

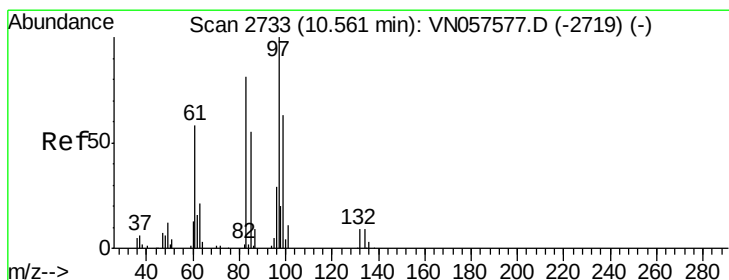
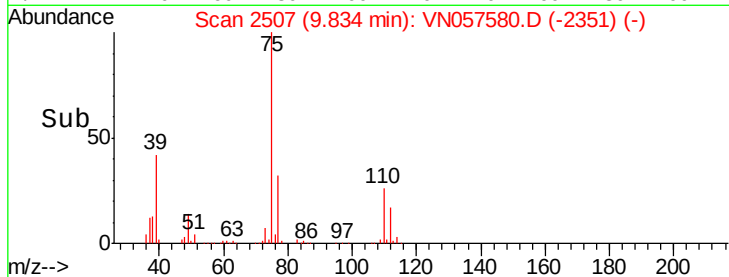
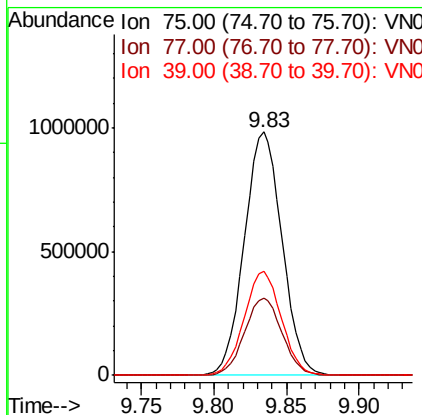
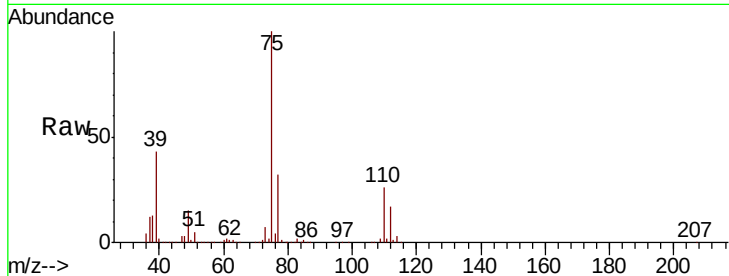
cis-1,3-Dichloropropene
Concen: 123.799 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	42.5	39.0	58.4

Manual Integrations
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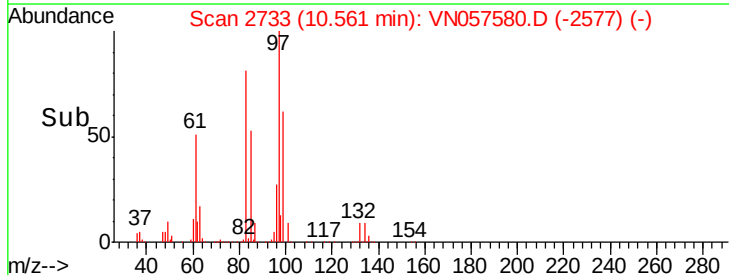
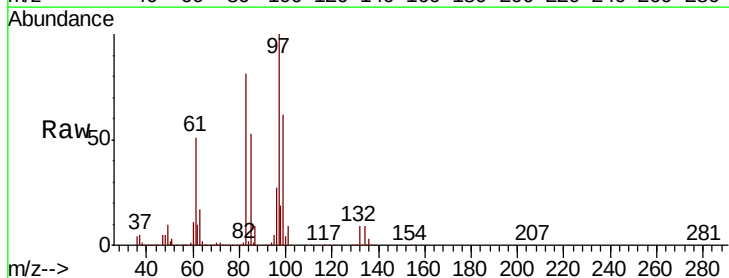
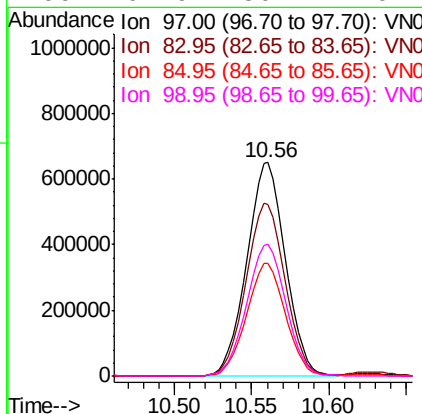
MMDadoda
8/31/2019 10:00:42 AM

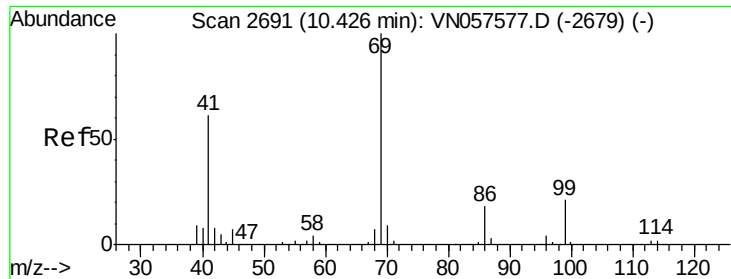


#50

1,1,2-Trichloroethane
Concen: 144.065 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.1	97.7
85	52.9	43.7	65.5
99	61.9	50.7	76.1





#51

Ethyl methacrylate

Concen: 120.182 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 69 Resp: 1516478

Ion Ratio Lower Upper

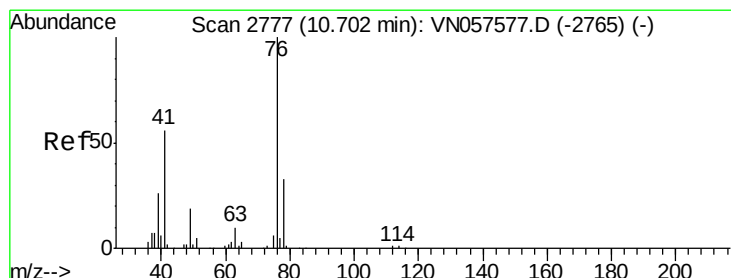
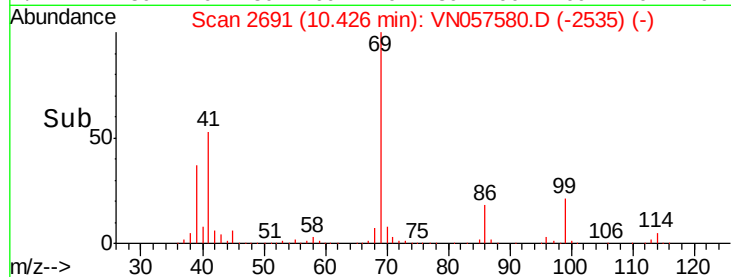
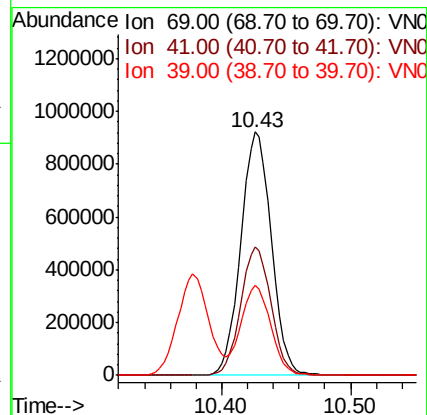
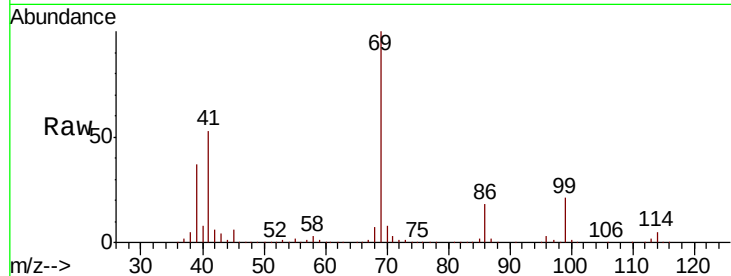
69 100

41 52.7 30.6 92.0

39 36.6 22.3 66.9

Manual Integrations
APPROVED

MMDadoda
8/31/2019 10:00:42 AM



#52

1,3-Dichloropropane

Concen: 123.089 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057580.D

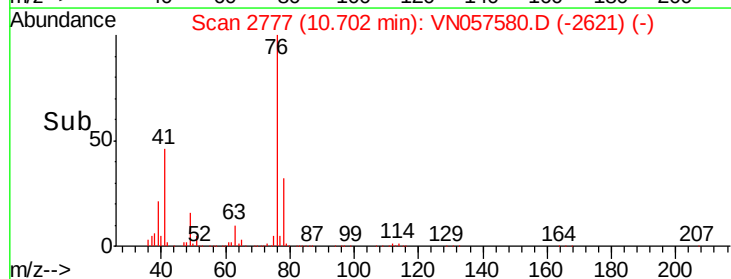
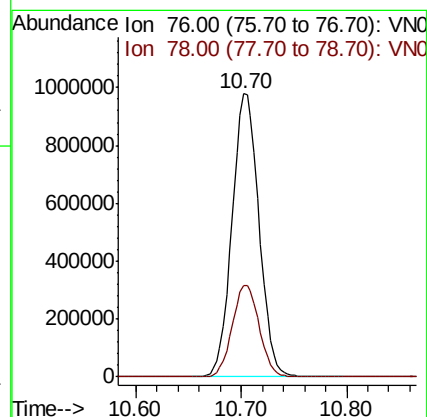
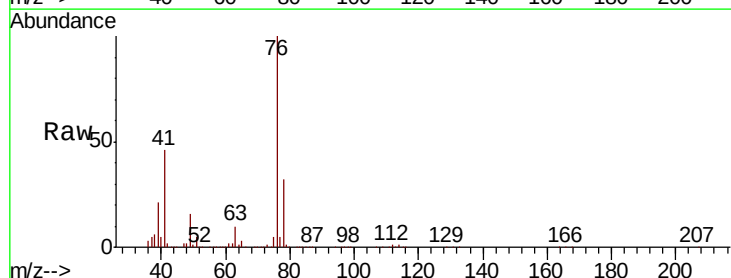
Acq: 30 Aug 2019 10:49

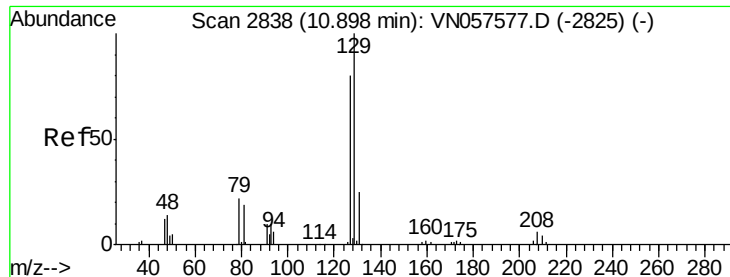
Tgt Ion: 76 Resp: 1726067

Ion Ratio Lower Upper

76 100

78 32.4 0.0 67.0





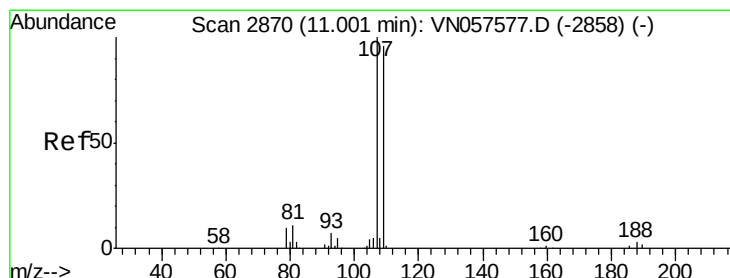
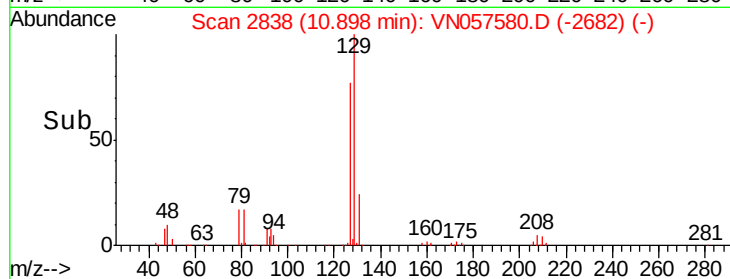
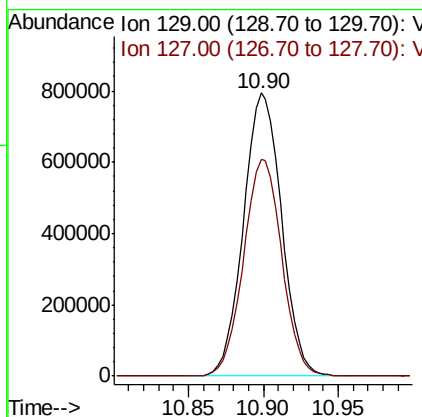
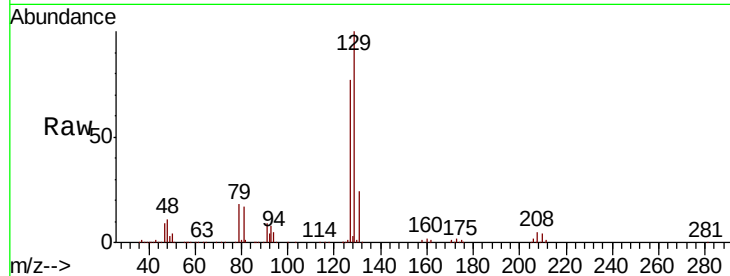
#53
 Dibromochloromethane
 Concen: 166.928 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:129 Resp: 1408940
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.9 116.7

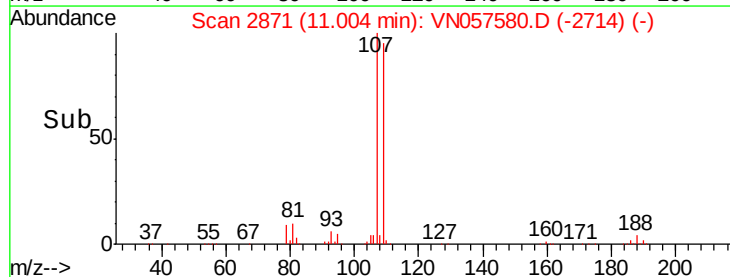
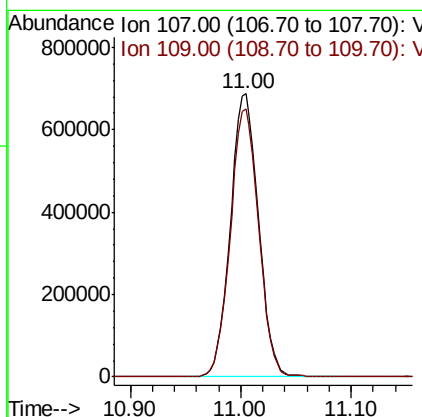
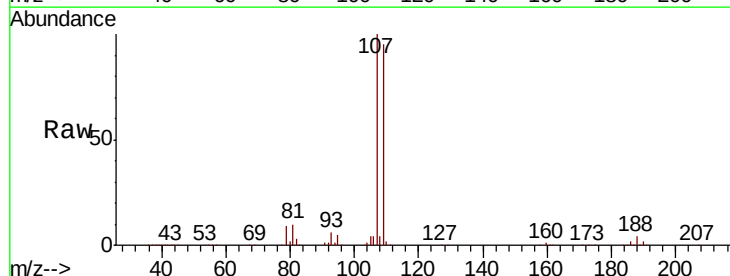
Manual Integrations
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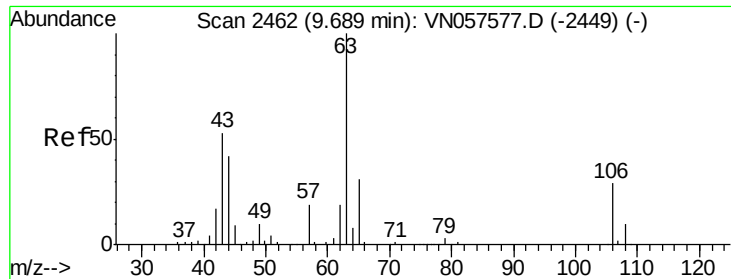
MMDadoda
 8/31/2019 10:00:42 AM



#54
 1,2-Dibromoethane
 Concen: 150.076 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion:107 Resp: 1216238
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.2 112.8





#55

2-Chloroethyl vinyl ether

Concen: 653.529 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 2067957

Ion Ratio Lower Upper

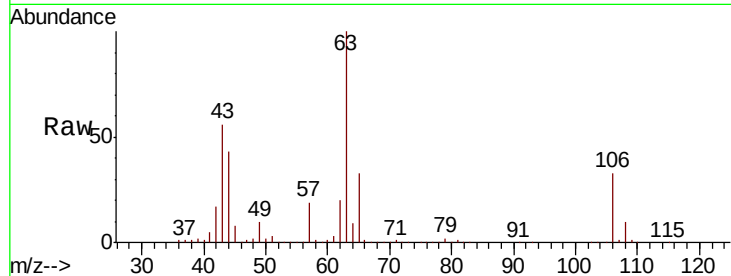
63 100

65 32.3 25.0 37.4

106 32.9 23.7 35.5

Manual Integrations
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MMDadoda
8/31/2019 10:00:42 AM

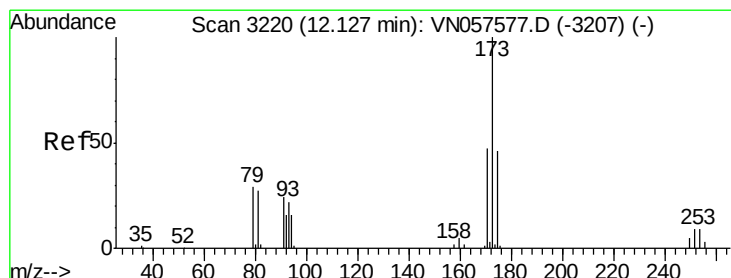
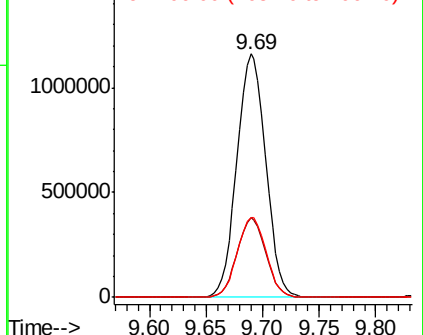
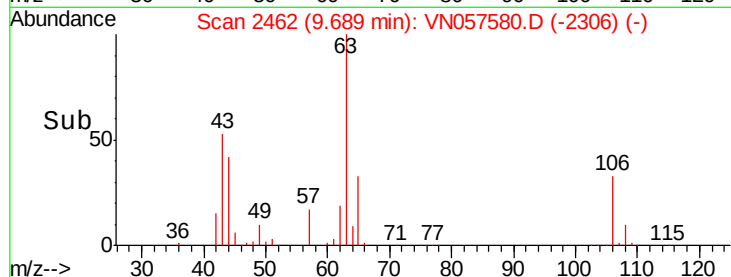


Abundance

Ion 63.00 (62.70 to 63.70): VN057577.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN057577.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN057577.D (-2449) (-)



#56

Bromoform

Concen: 191.938 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

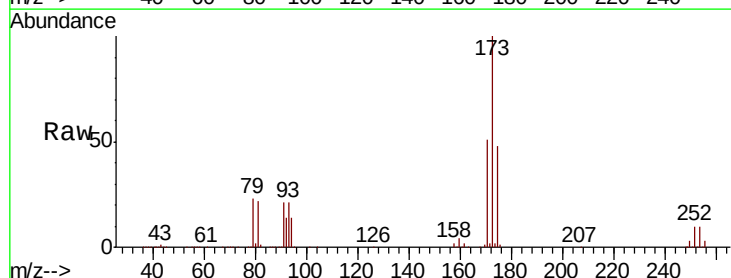
Tgt Ion: 173 Resp: 988260

Ion Ratio Lower Upper

173 100

175 48.2 37.3 55.9

254 10.0 2.2 3.2#

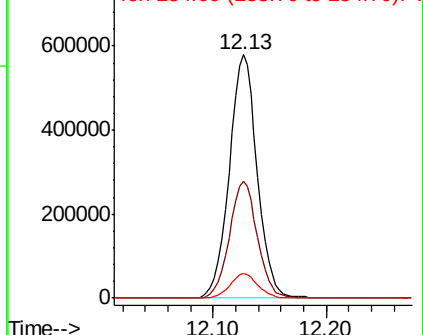
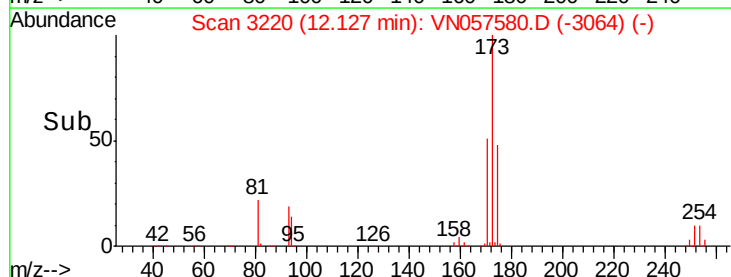


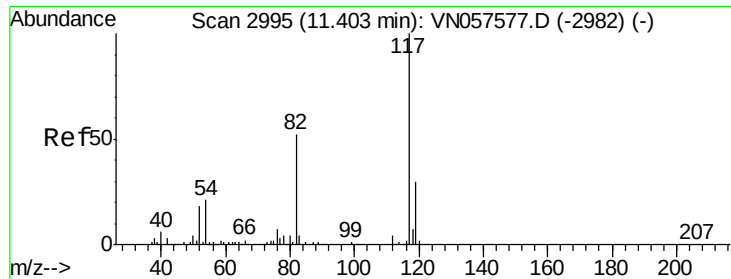
Abundance

Ion 173.00 (172.70 to 173.70): VN057577.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN057577.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN057577.D (-3207) (-)





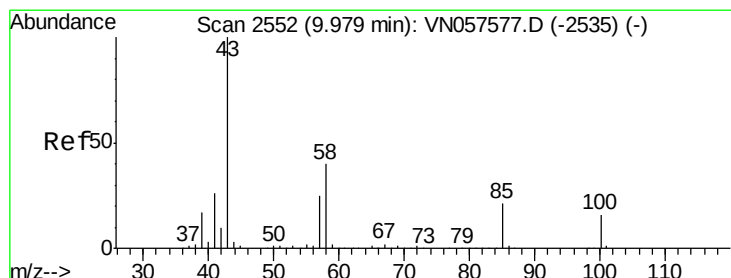
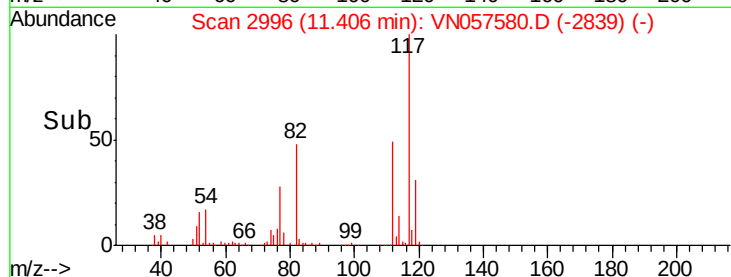
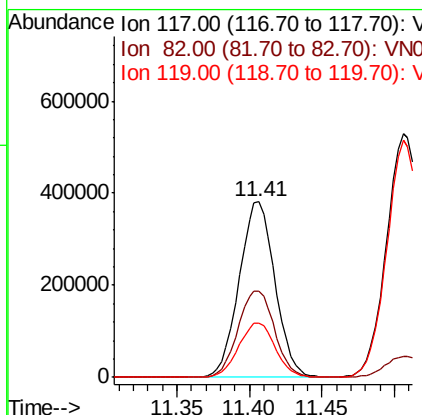
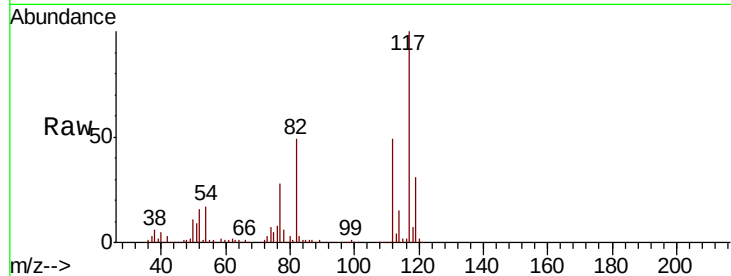
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.6	63.8
119	31.6	25.0	37.6

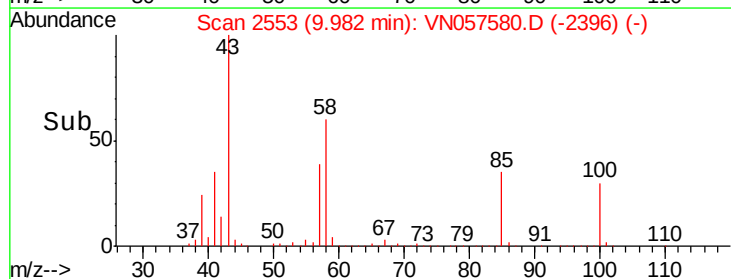
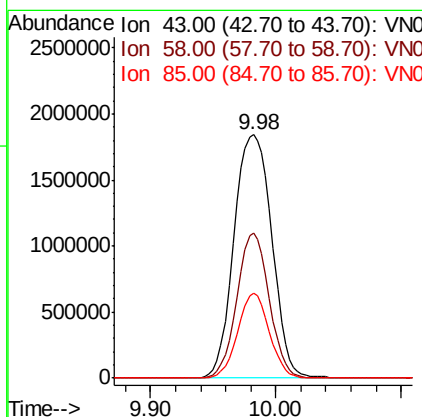
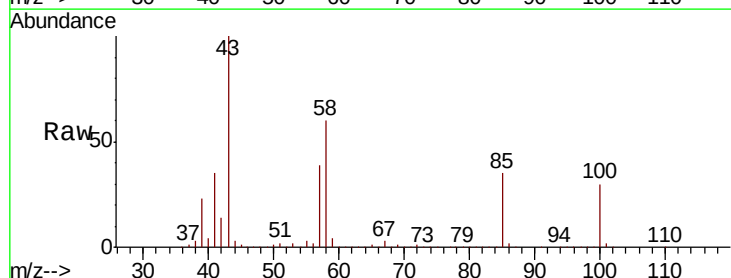
Manual Integrations
APPROVED

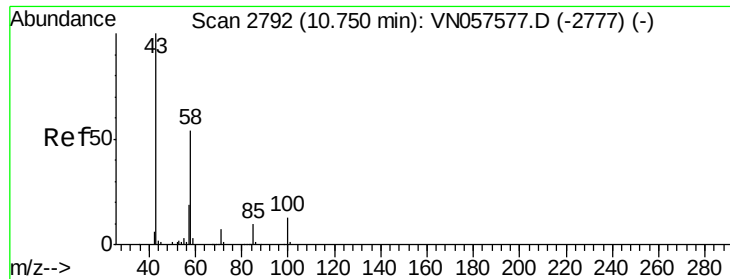
MMDadoda
8/31/2019 10:00:42 AM



#58
4-Methyl-2-Pentanone
Concen: 328.944 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.2	32.1	48.1#
85	29.2	16.6	24.8#





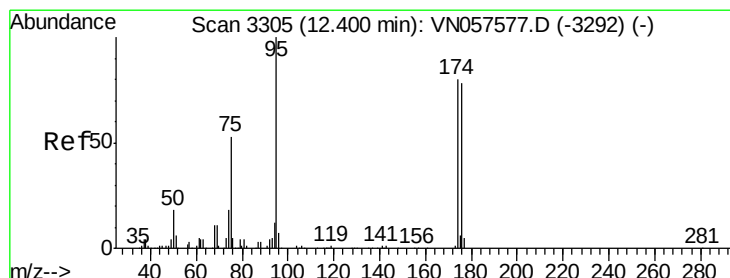
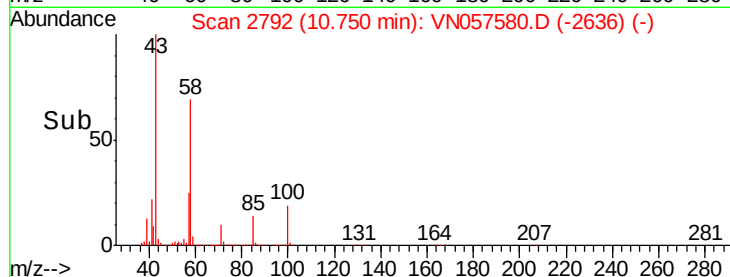
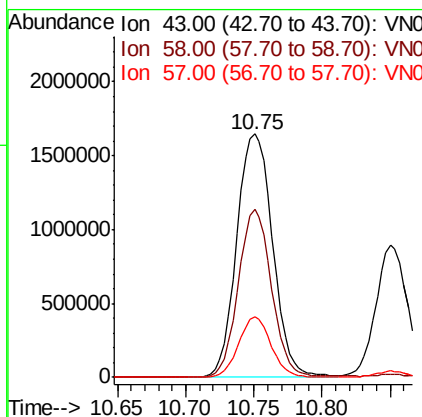
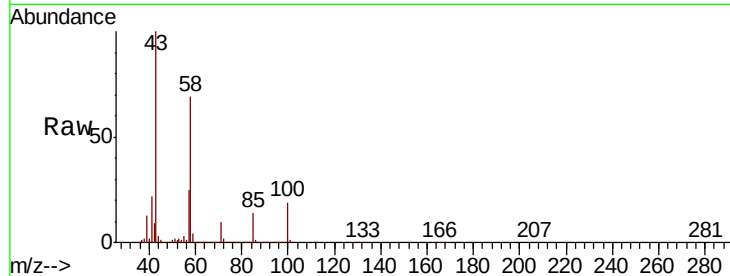
#59
2-Hexanone
Concen: 370.768 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 3013927
Ion Ratio Lower Upper
43 100
58 64.3 42.9 64.3
57 22.6 15.4 23.2

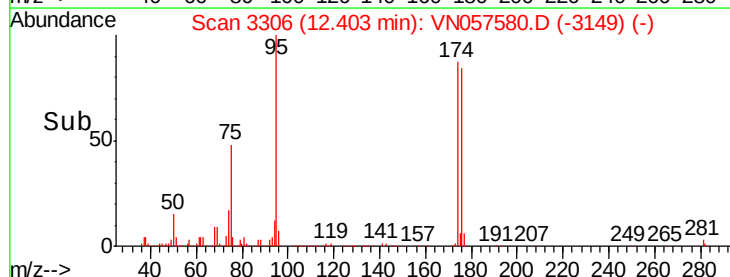
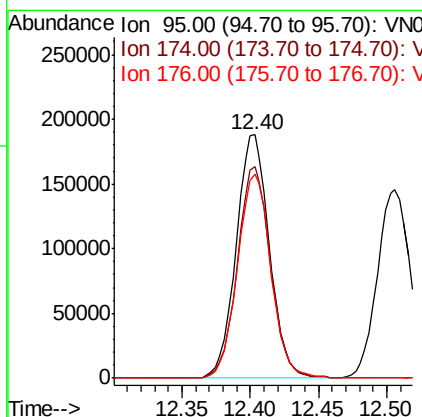
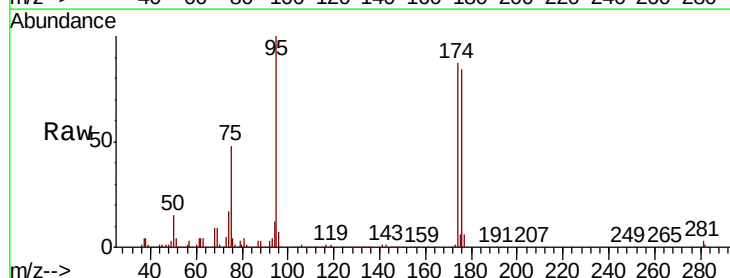
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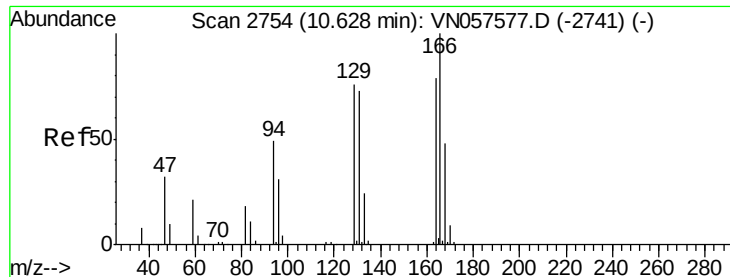
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#60
4-Bromofluorobenzene
Concen: 29.686 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 95 Resp: 317226
Ion Ratio Lower Upper
95 100
174 86.8 66.2 99.2
176 84.4 65.0 97.6





#61

Tetrachloroethene

Concen: 152.008 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 1170119

Ion Ratio Lower Upper

164 100

166 128.2 100.7 151.1

129 95.9 76.3 114.5

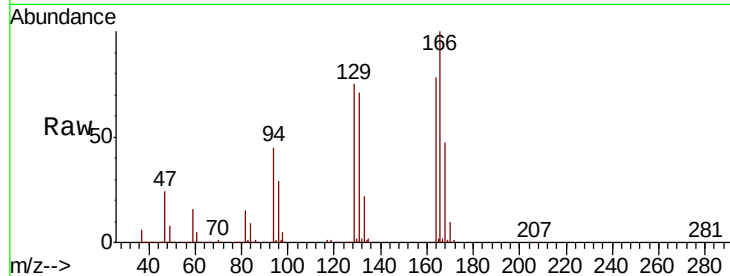
131 91.1 73.8 110.6

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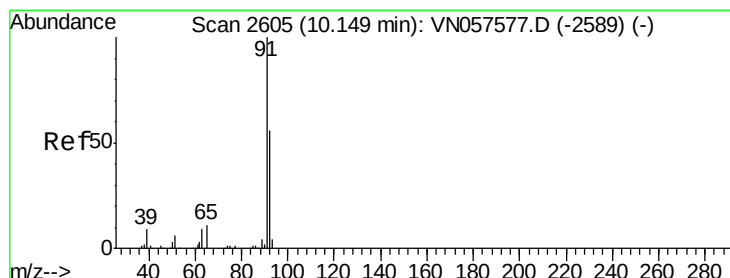
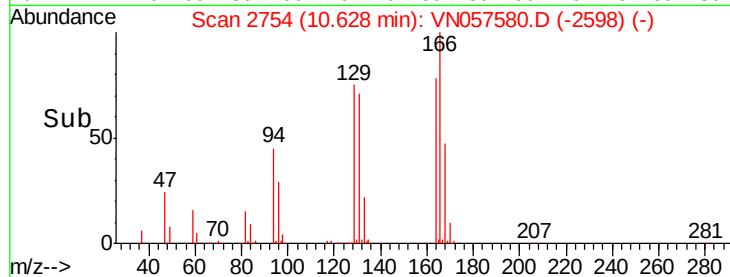
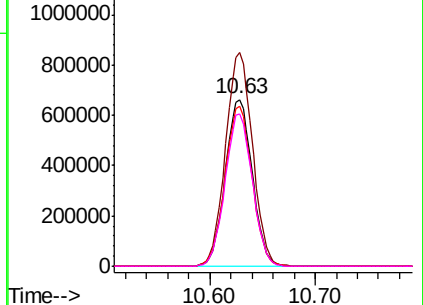


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 103.701 ug/l m

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057580.D

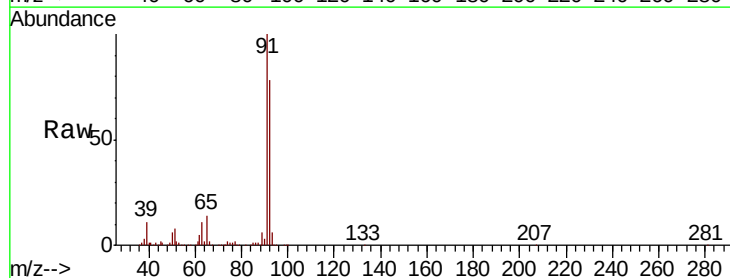
Acq: 30 Aug 2019 10:49

Tgt Ion: 91 Resp: 4059428

Ion Ratio Lower Upper

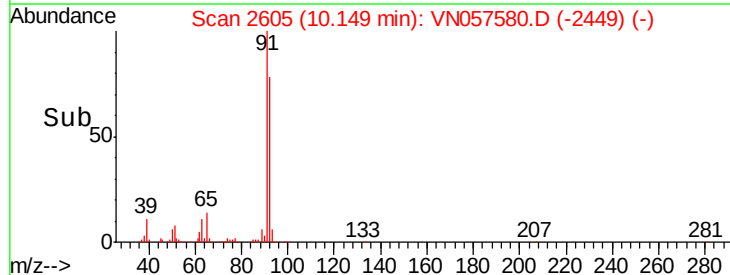
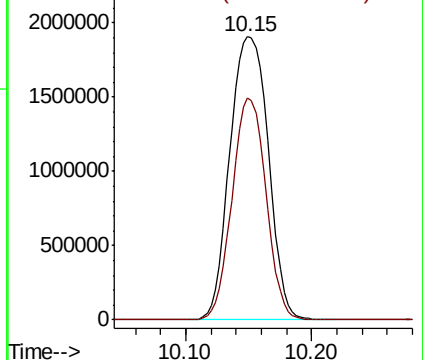
91 100

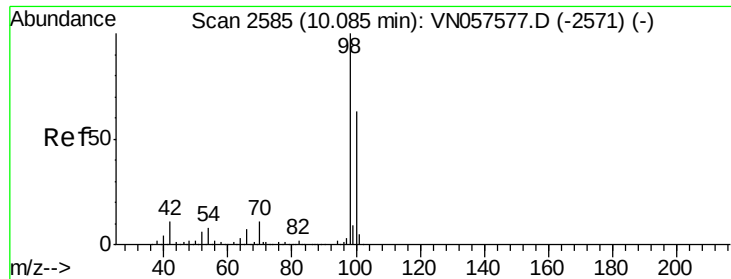
92 0.0 45.4 68.2#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





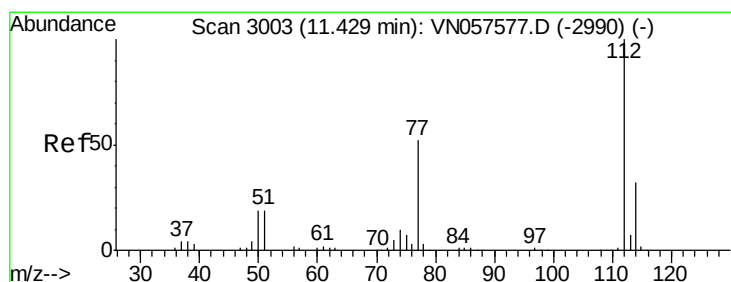
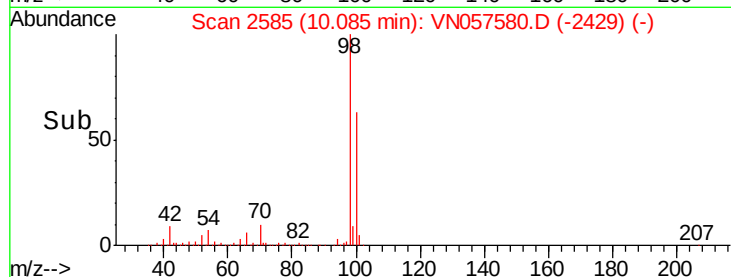
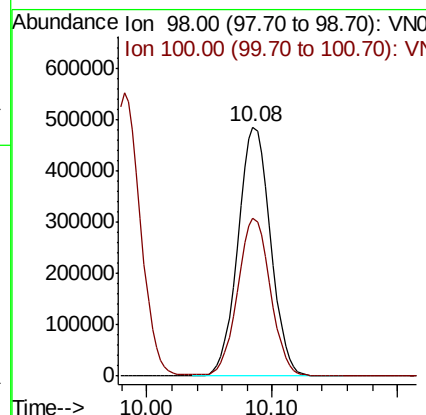
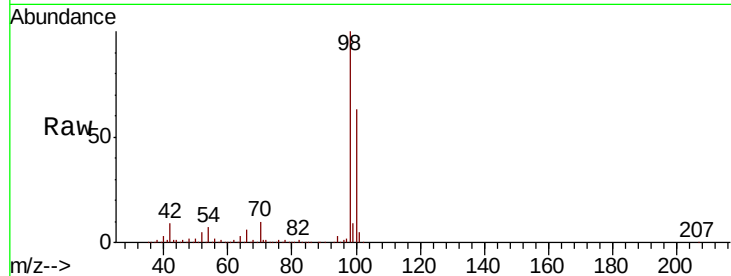
#63
Toluene-d8
Concen: 27.024 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 98 Resp: 879116
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2

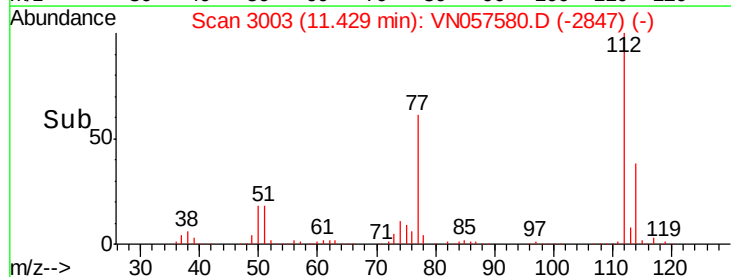
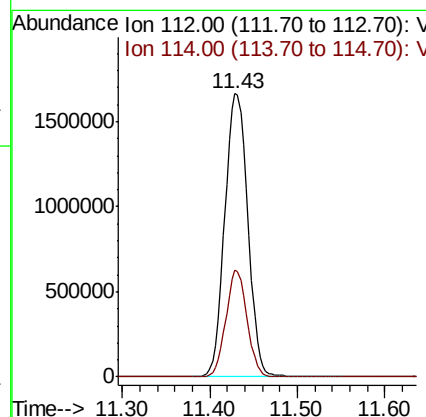
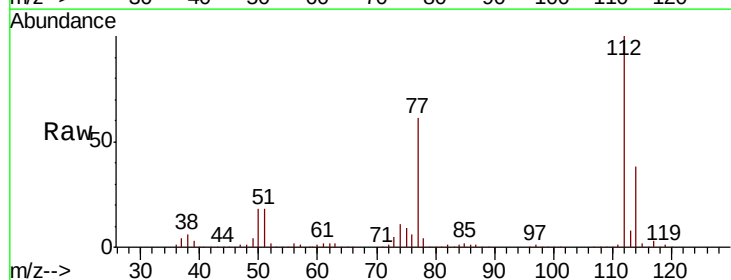
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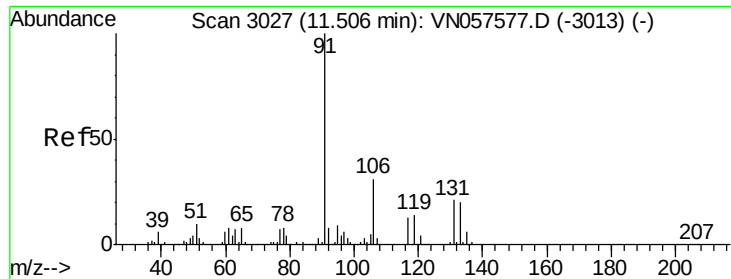
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#64
Chlorobenzene
Concen: 139.564 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion: 112 Resp: 3049297
Ion Ratio Lower Upper
112 100
114 37.5 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 160.612 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 131 Resp: 1333293

Ion Ratio Lower Upper

131 100

133 95.4 0.0 186.0

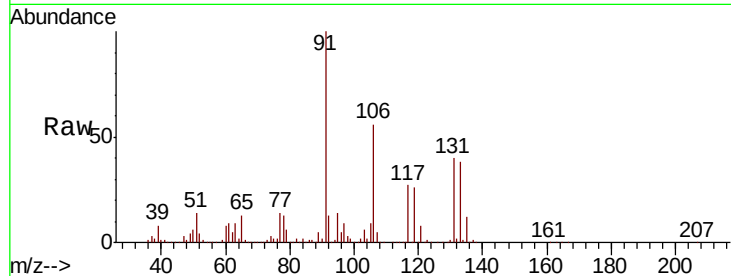
119 64.4 0.0 134.6

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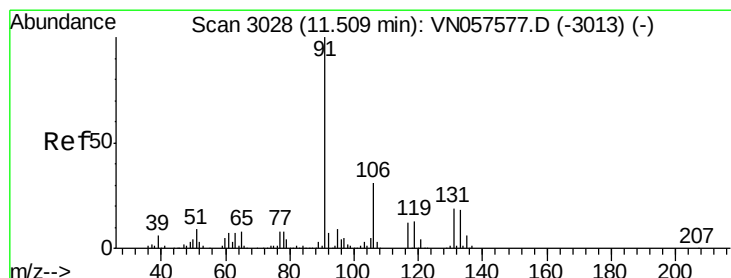
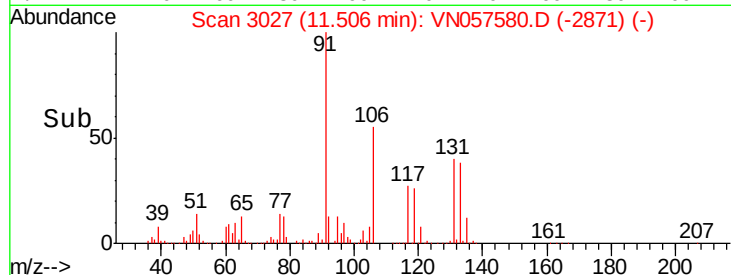
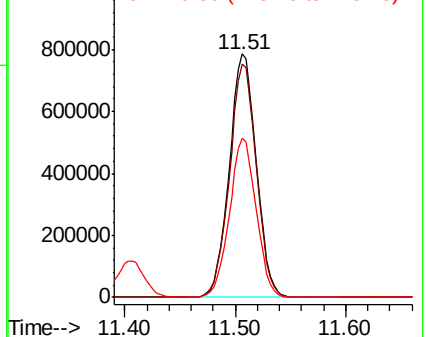


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 97.957 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057580.D

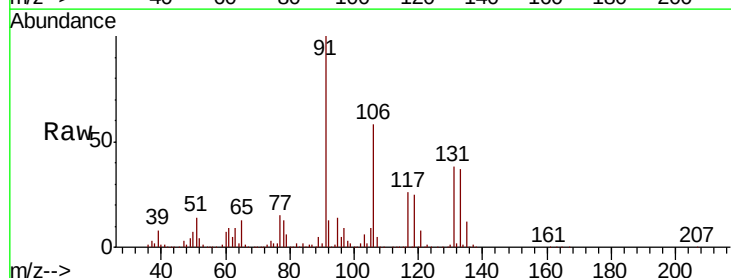
Acq: 30 Aug 2019 10:49

Tgt Ion: 91 Resp: 4133235

Ion Ratio Lower Upper

91 100

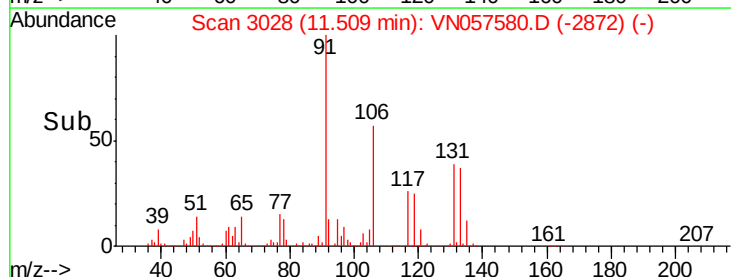
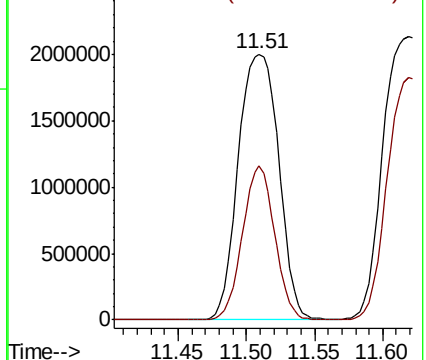
106 57.8 24.7 37.1#

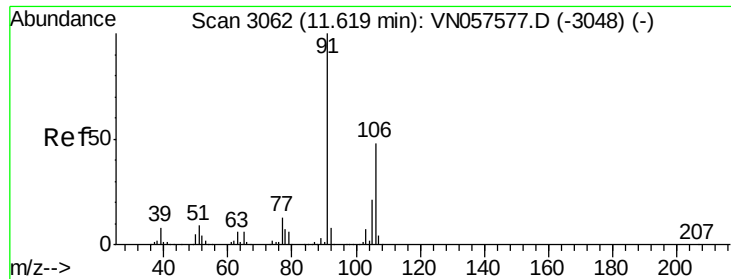


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 267.173 ug/l m

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:106 Resp: 3975623

Ion Ratio Lower Upper

106 100

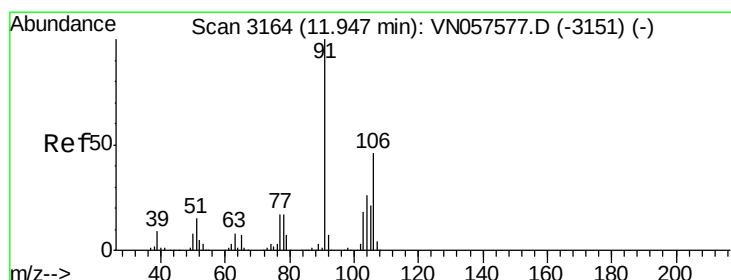
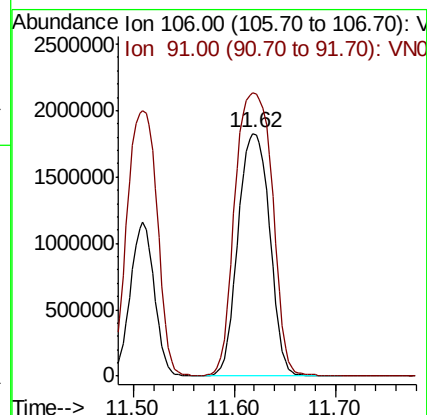
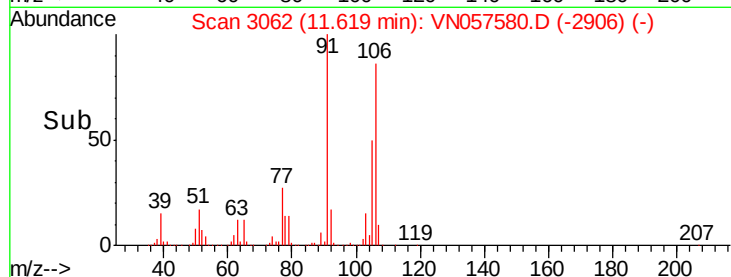
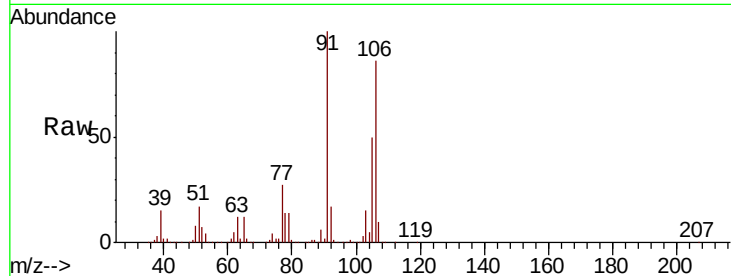
91 104.0 164.1 246.1#

Manual Integrations

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#68

o-Xylene

Concen: 150.907 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057580.D

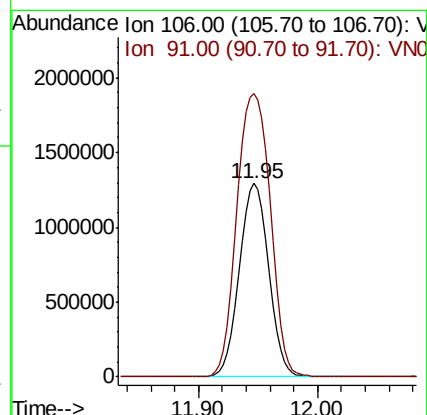
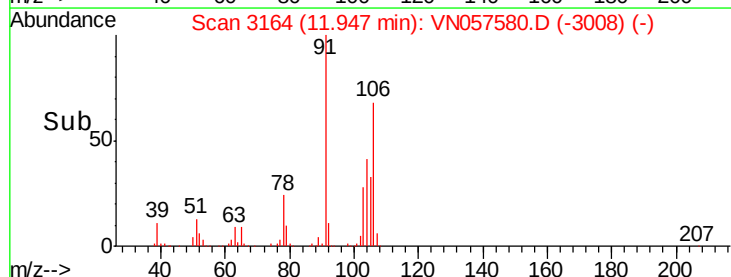
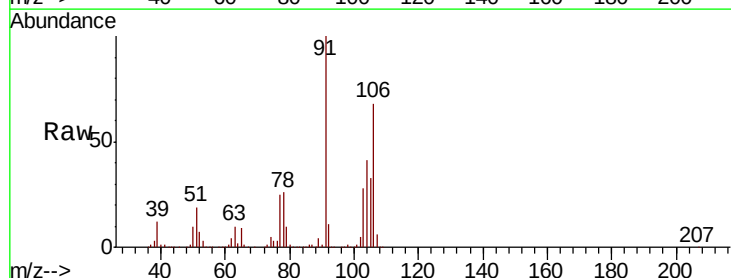
Acq: 30 Aug 2019 10:49

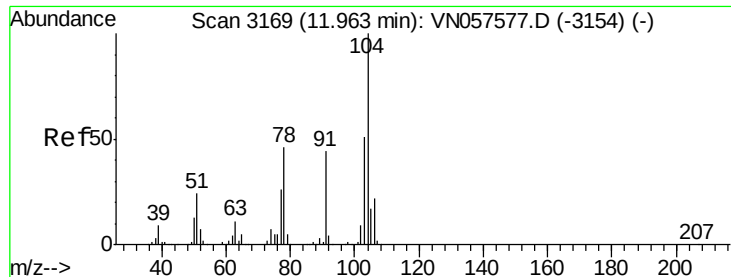
Tgt Ion:106 Resp: 2209423

Ion Ratio Lower Upper

106 100

91 167.8 107.8 323.6





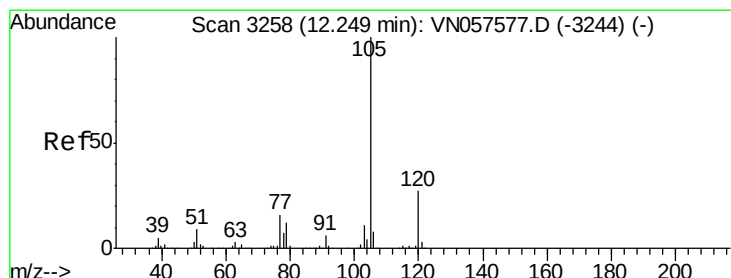
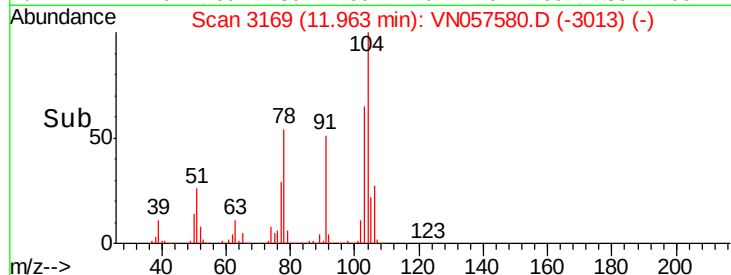
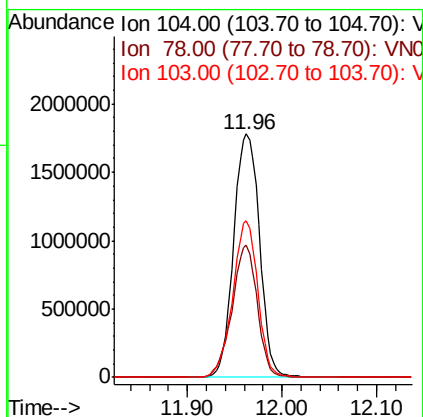
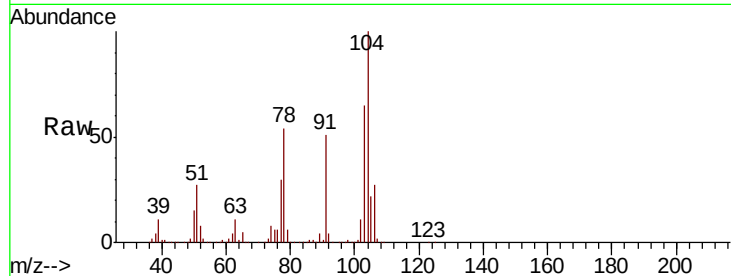
#69
Styrene
Concen: 143.102 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion:104 Resp: 3382233
Ion Ratio Lower Upper
104 100
78 53.2 41.4 62.0
103 62.5 44.8 67.2

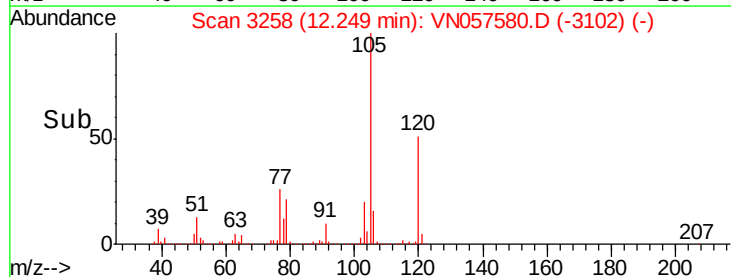
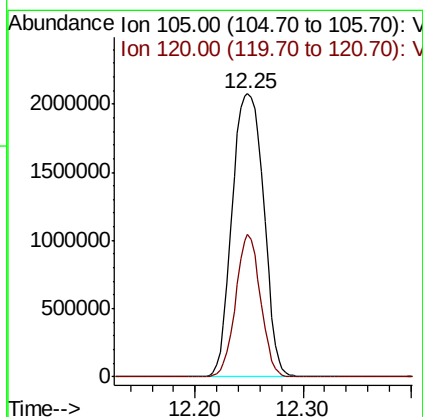
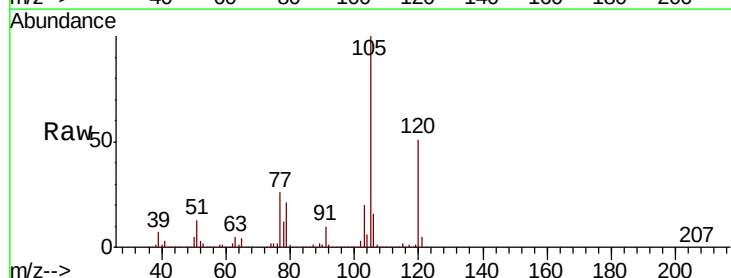
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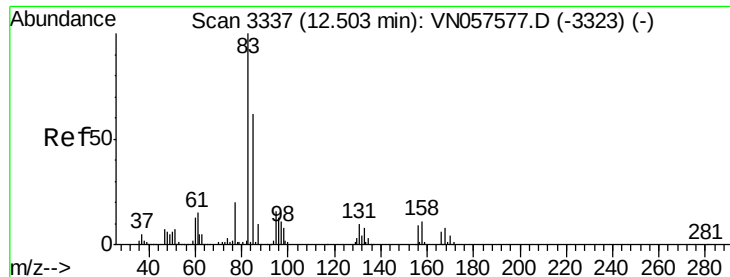
MMDadoda
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#70
Isopropylbenzene
Concen: 107.029 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion:105 Resp: 4236651
Ion Ratio Lower Upper
105 100
120 39.8 18.7 34.7#





#71

1,1,2,2-Tetrachloroethane

Concen: 128.259 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 83 Resp: 1422047

Ion Ratio Lower Upper

83 100

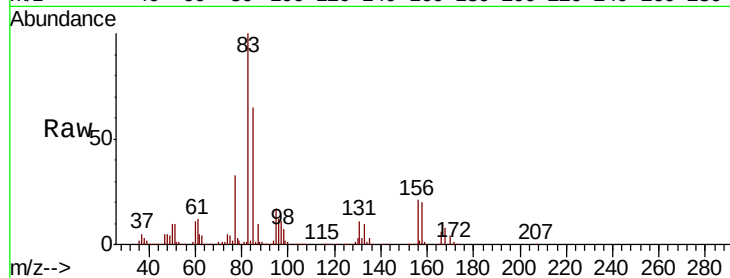
131 11.1 5.2 15.6

85 64.9 31.6 94.8

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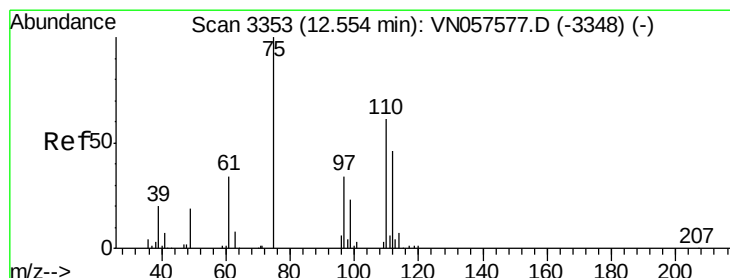
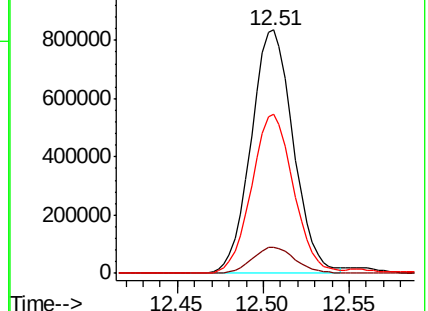
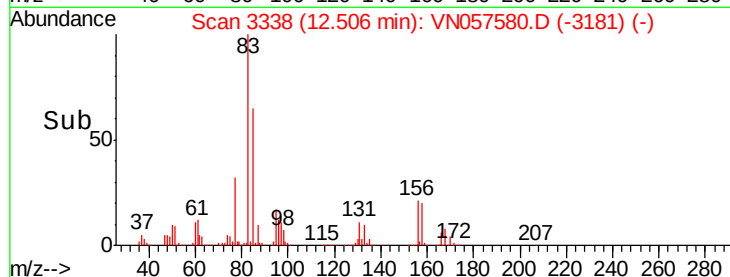


Abundance Ion 83.00 (82.70 to 83.70): VN057577.D (-3323) (-)

Ion 131.00 (130.70 to 131.70): VN057577.D (-3323) (-)

Ion 85.00 (84.70 to 85.70): VN057577.D (-3323) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 119.892 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057580.D

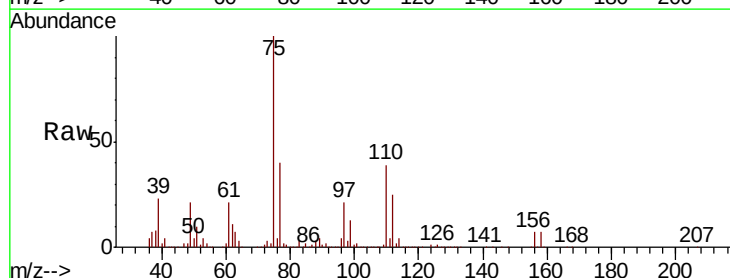
Acq: 30 Aug 2019 10:49

Tgt Ion: 75 Resp: 1196444

Ion Ratio Lower Upper

75 100

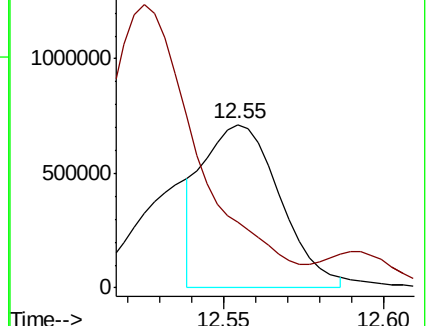
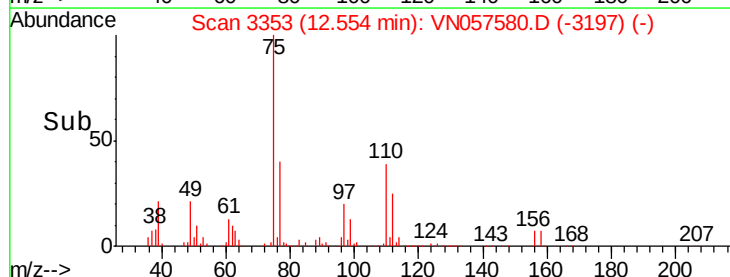
77 212.0 0.0 399.2

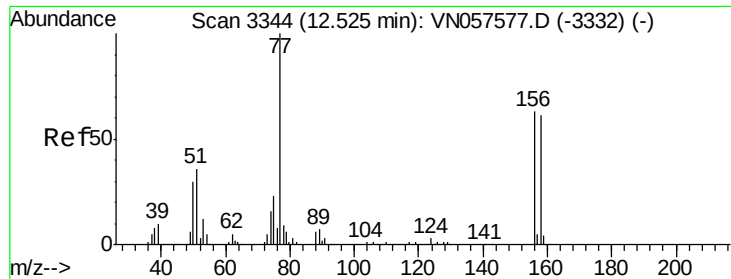


Abundance Ion 75.00 (74.70 to 75.70): VN057577.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057577.D (-3348) (-)

Time-->





#73

Bromobenzene

Concen: 185.809 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 156 Resp: 1526101

Ion Ratio Lower Upper

156 100

77 166.2 0.0 374.6

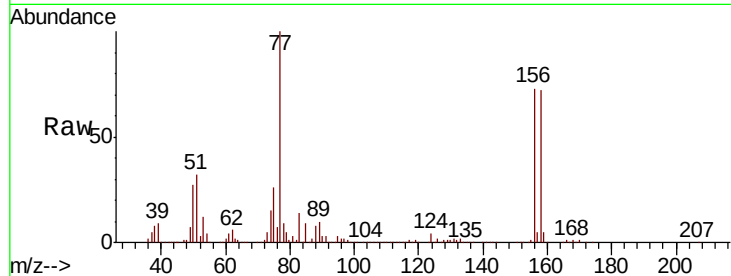
158 98.4 0.0 197.4

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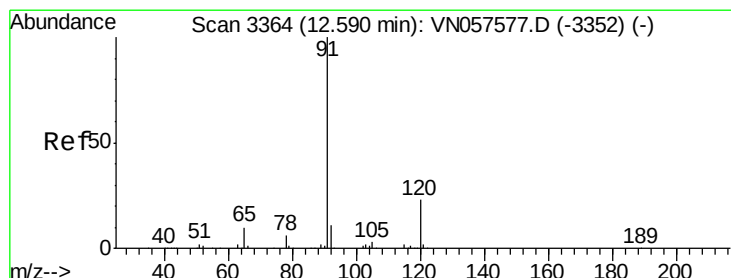
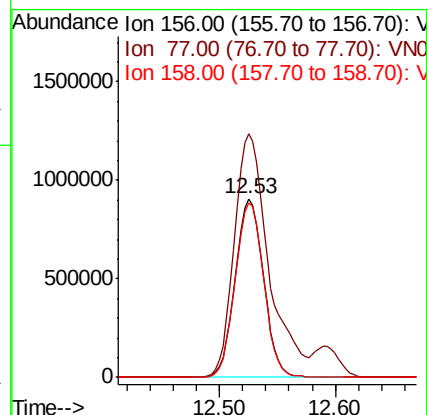
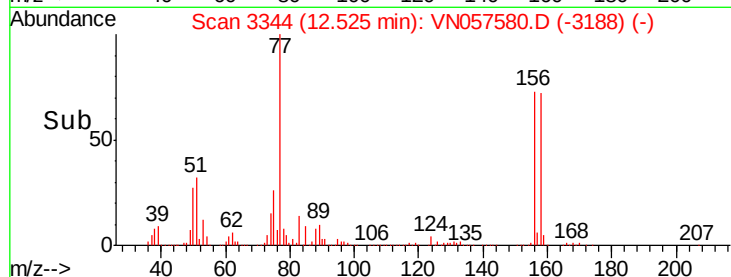
8/31/2019 10:00:42 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 97.856 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057580.D

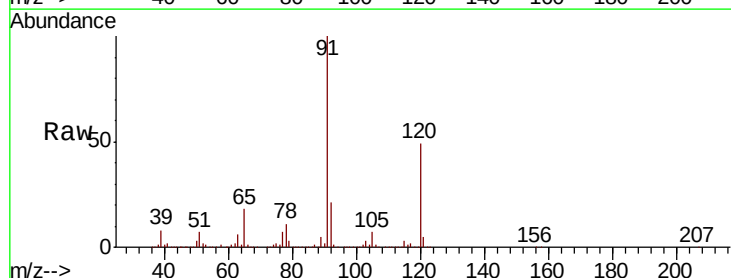
Acq: 30 Aug 2019 10:49

Tgt Ion: 91 Resp: 4357472

Ion Ratio Lower Upper

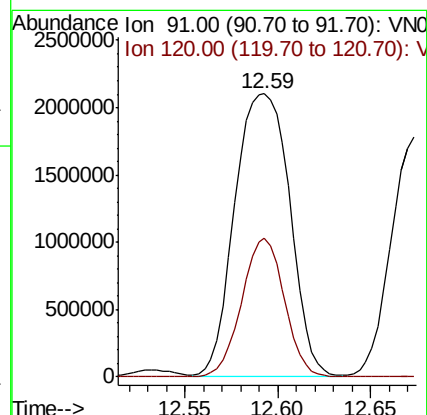
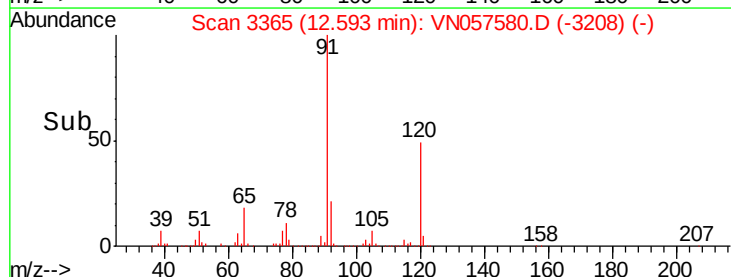
91 100

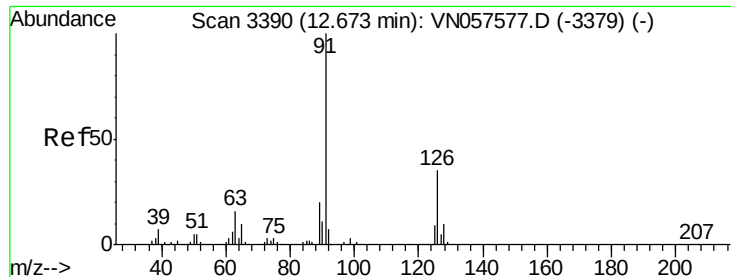
120 37.9 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 127.946 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 3353691

Ion Ratio Lower Upper

91 100

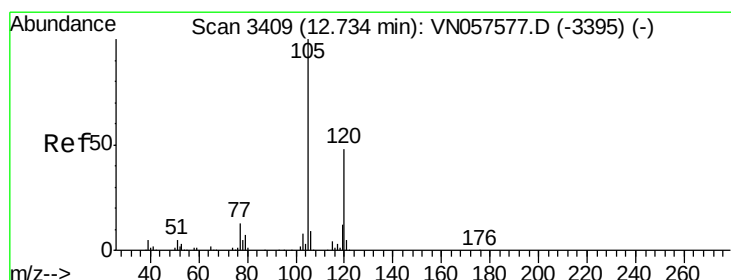
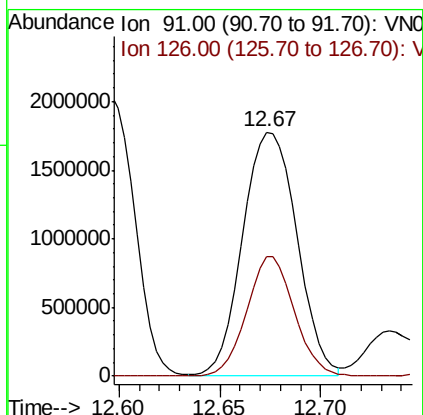
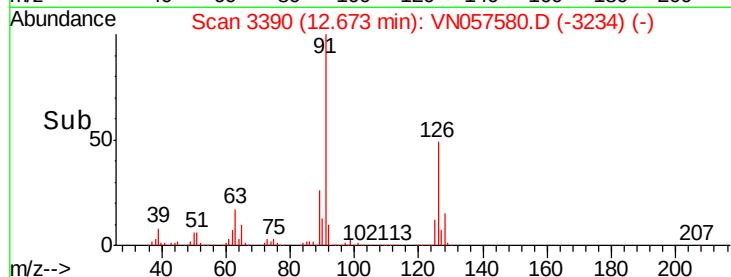
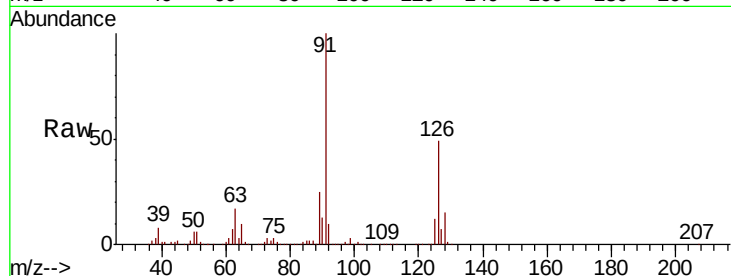
126 43.0 0.0 70.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 119.451 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057580.D

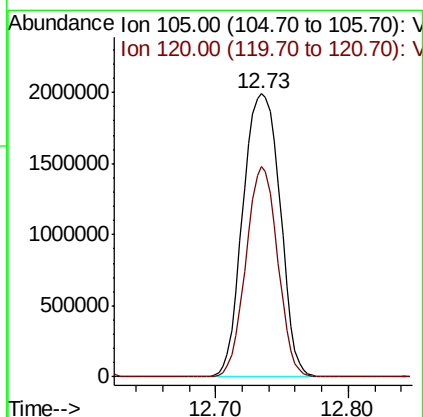
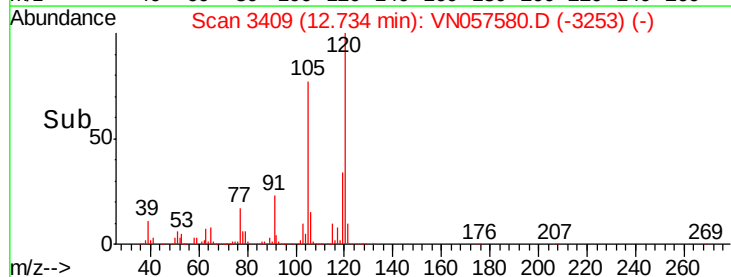
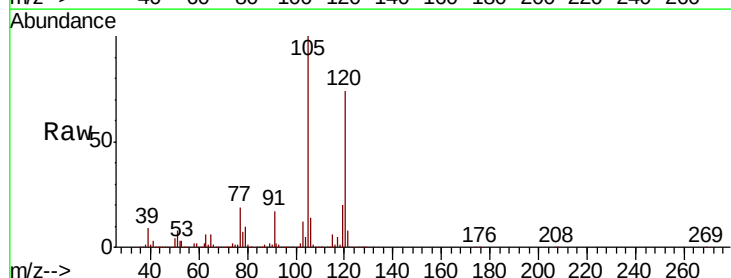
Acq: 30 Aug 2019 10:49

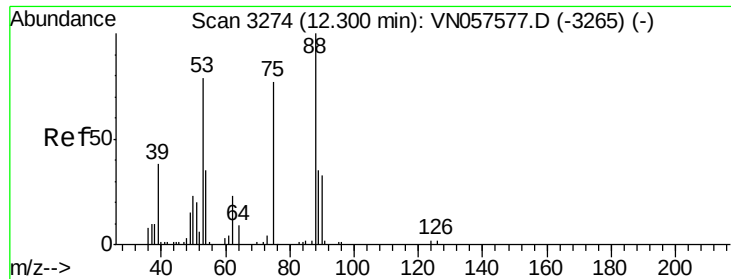
Tgt Ion: 105 Resp: 3881646

Ion Ratio Lower Upper

105 100

120 63.6 0.0 95.8





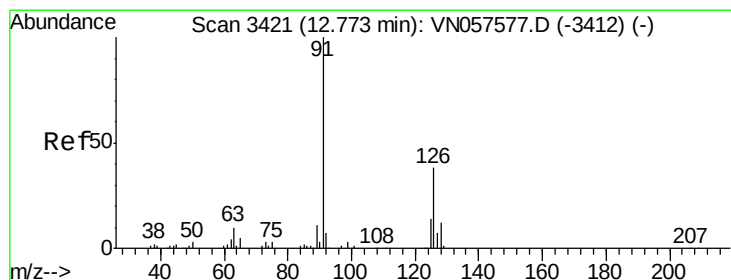
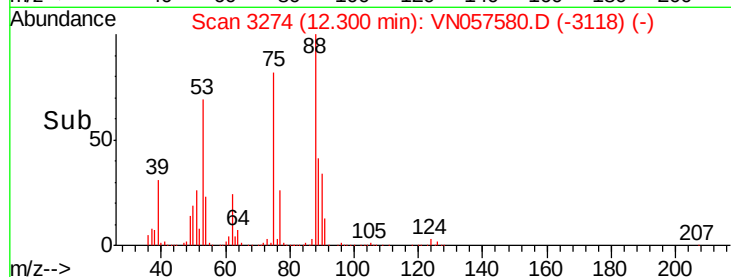
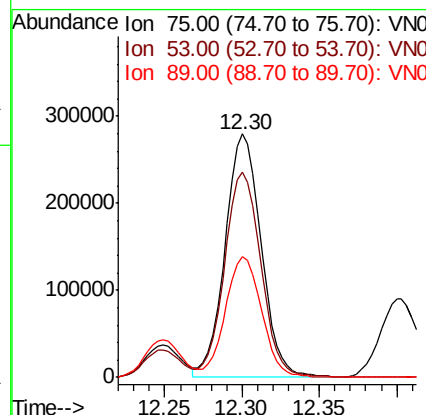
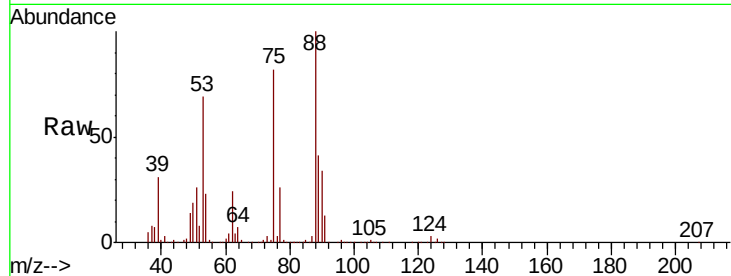
#77
t-1,4-Dichloro-2-butene
Concen: 131.718 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.1	52.8	158.4
89	49.8	23.2	69.5

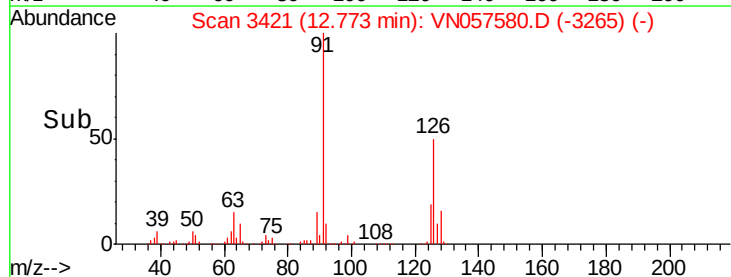
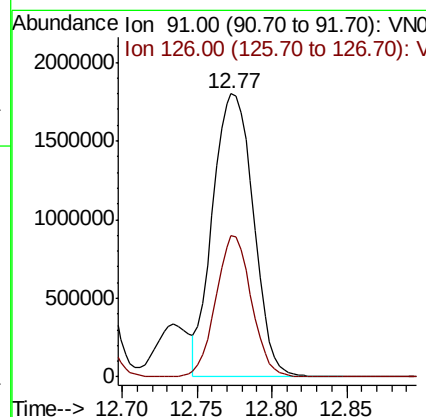
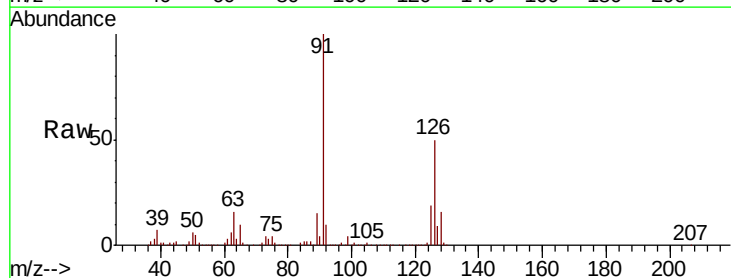
Manual Integrations
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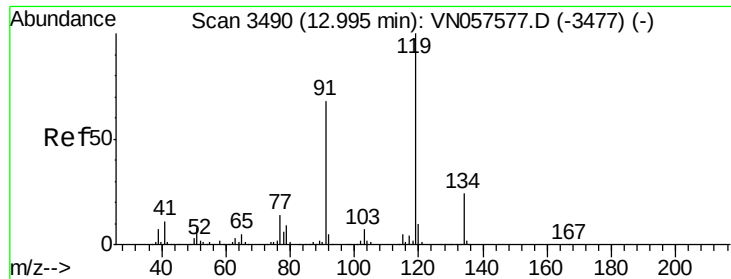
MMDadoda
8/31/2019 10:00:42 AM



#78
4-Chlorotoluene
Concen: 135.756 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	43.7	0.0	68.6





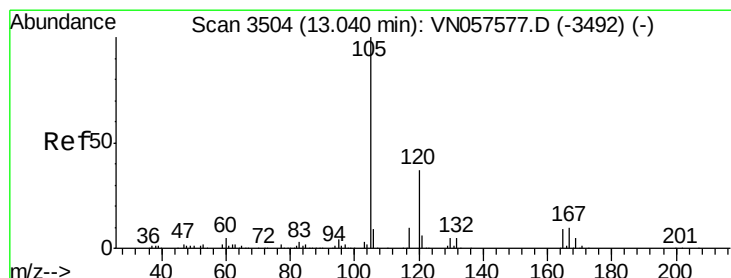
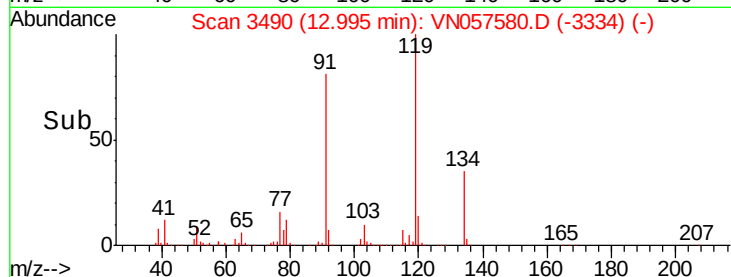
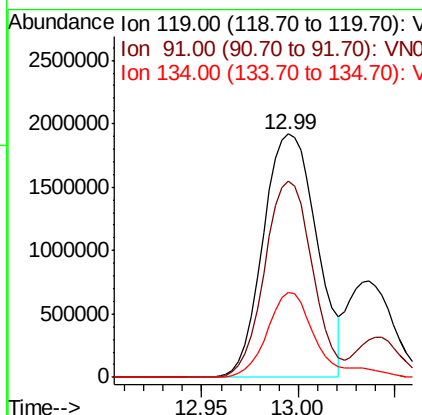
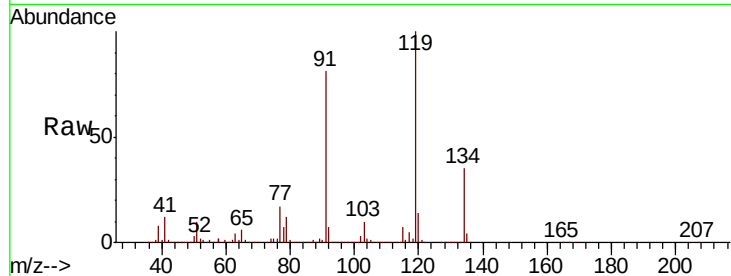
#79
tert-butylbenzene
Concen: 132.674 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 3705450
Ion Ratio Lower Upper
119 100
91 72.3 0.0 137.6
134 29.9 0.0 47.8

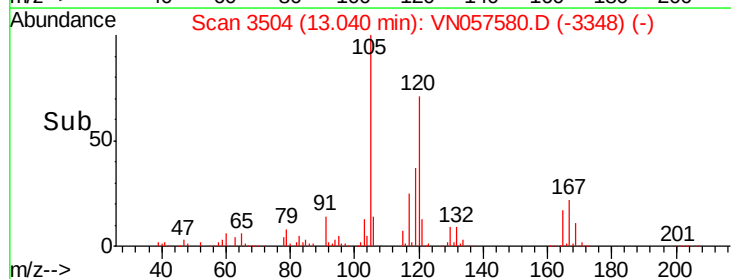
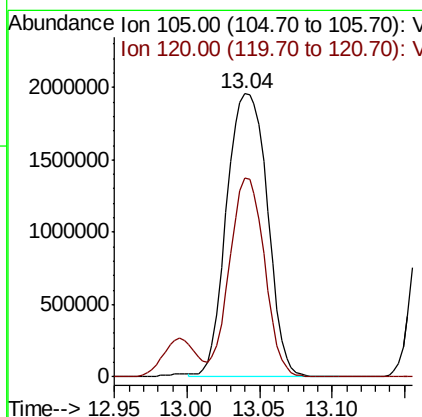
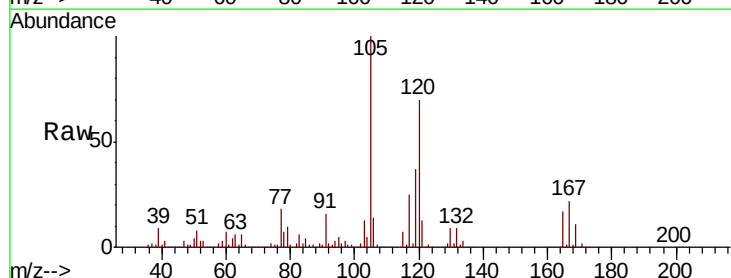
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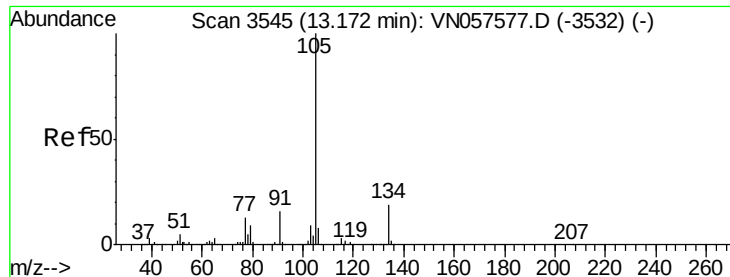
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#80
1,2,4-Trimethylbenzene
Concen: 125.138 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion:105 Resp: 3822561
Ion Ratio Lower Upper
105 100
120 60.3 0.0 87.2





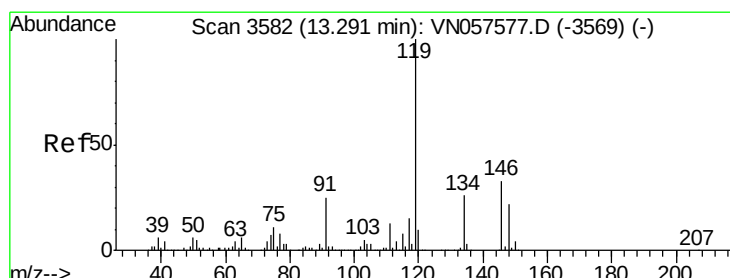
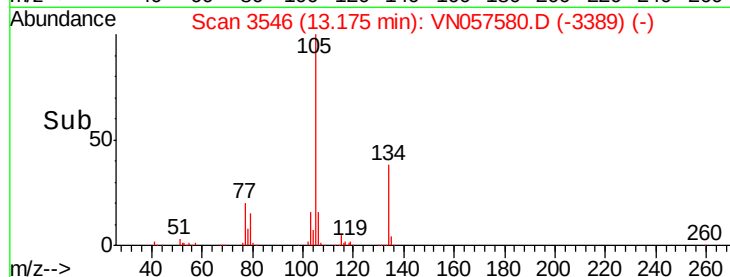
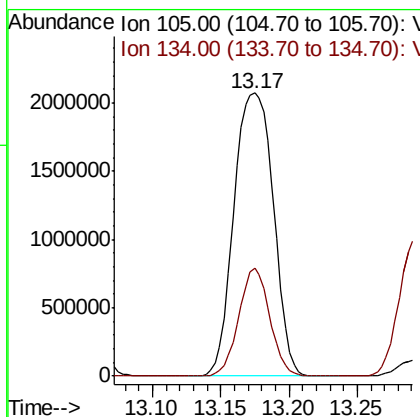
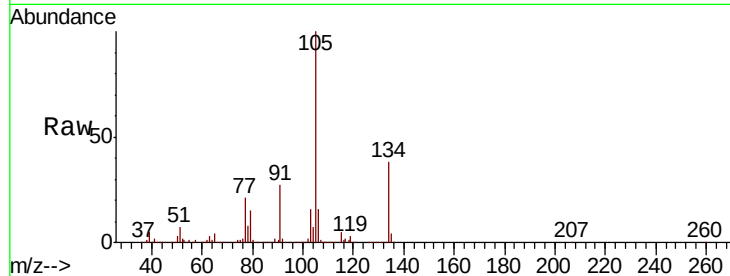
#81
 sec-Butylbenzene
 Concen: 113.696 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion:105 Resp: 4163931
 Ion Ratio Lower Upper
 105 100
 134 29.9 0.0 39.2

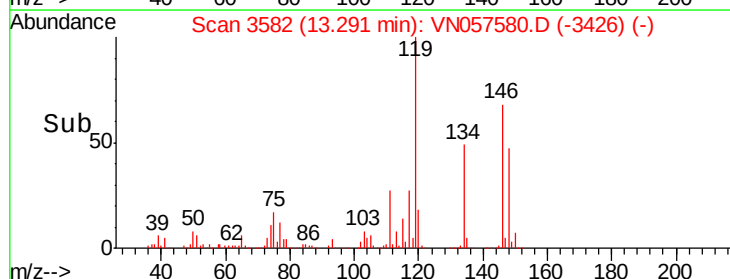
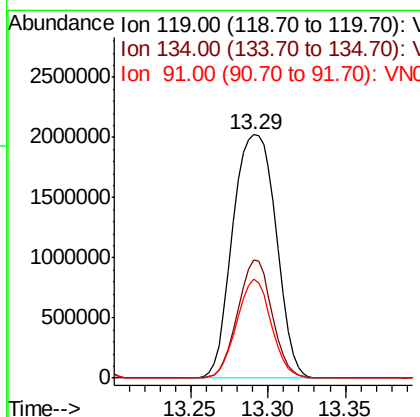
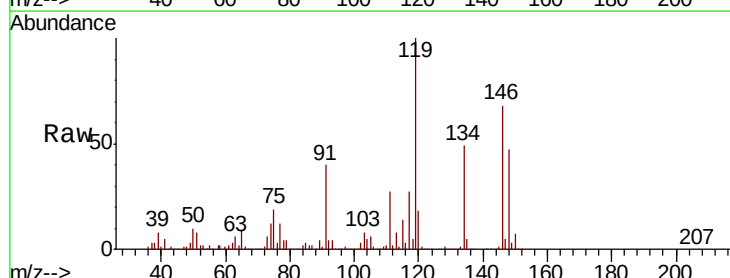
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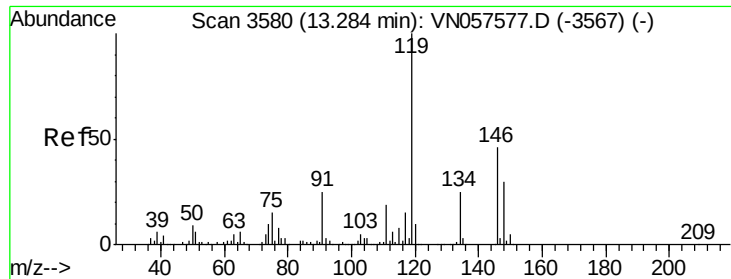
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 126.278 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion:119 Resp: 3943138
 Ion Ratio Lower Upper
 119 100
 134 38.5 0.0 51.6
 91 32.2 0.0 50.8





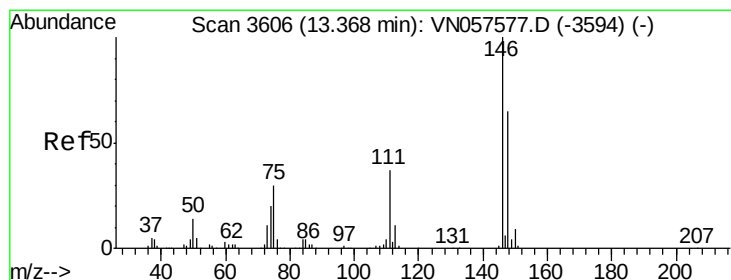
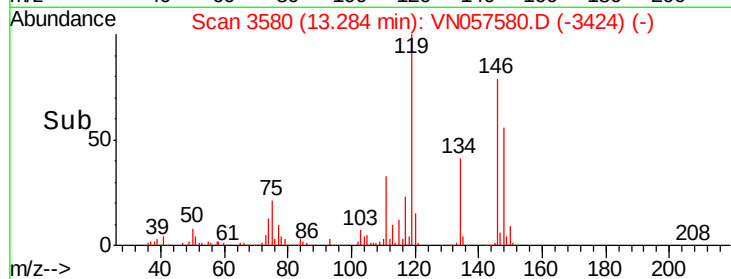
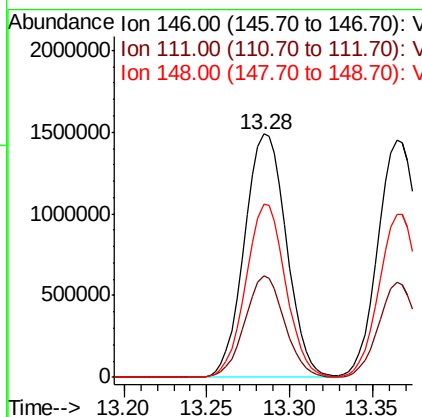
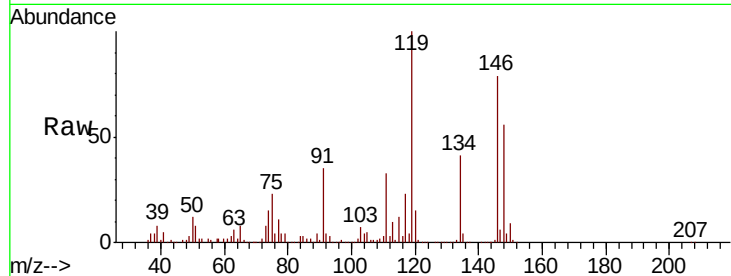
#83
 1,3-Dichlorobenzene
 Concen: 203.958 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 2625673
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 60.0
 148 67.4 32.3 96.9

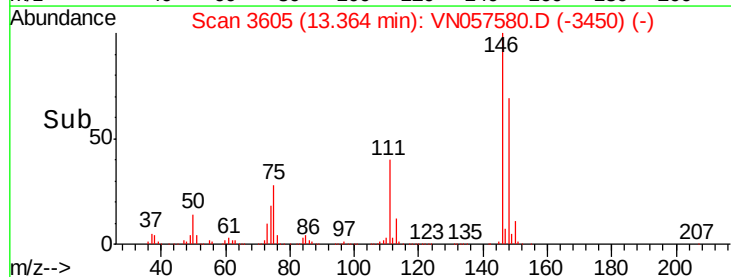
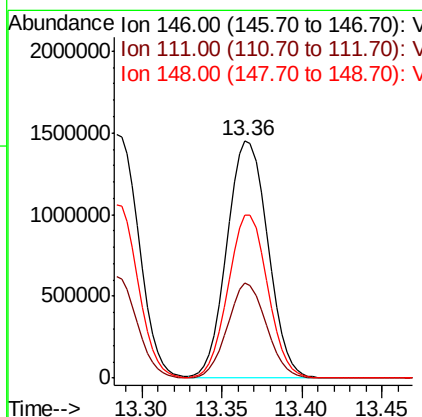
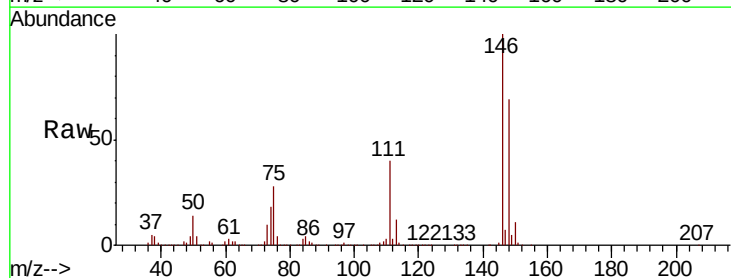
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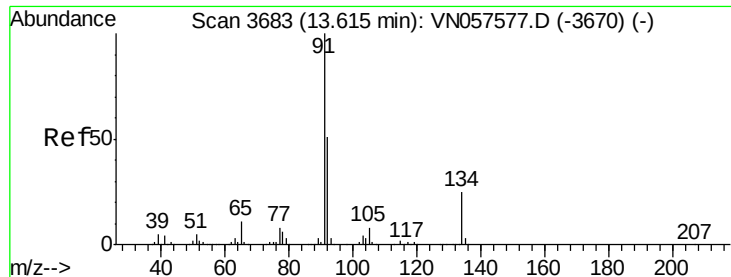
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 201.897 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion:146 Resp: 2531201
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.3 57.9
 148 66.8 32.2 96.6





#85

n-Butylbenzene

Concen: 129.257 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057580.D

Acq: 30 Aug 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 3440580

Ion Ratio Lower Upper

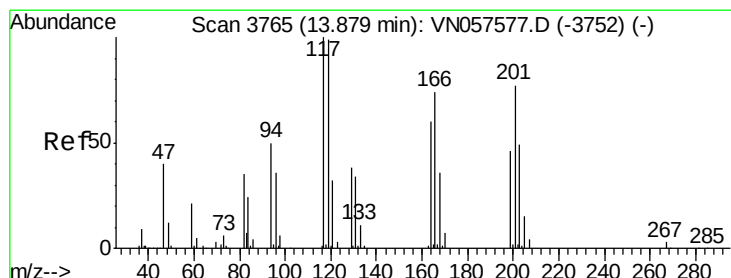
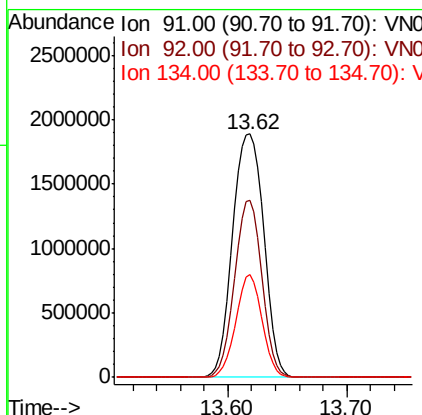
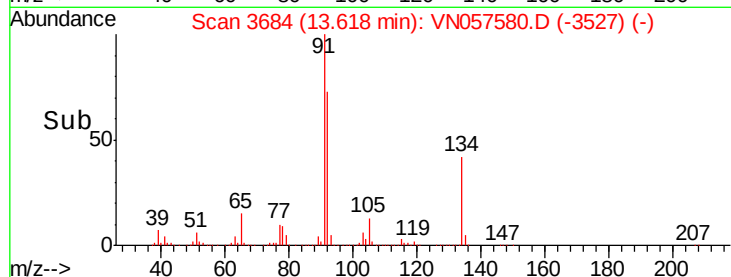
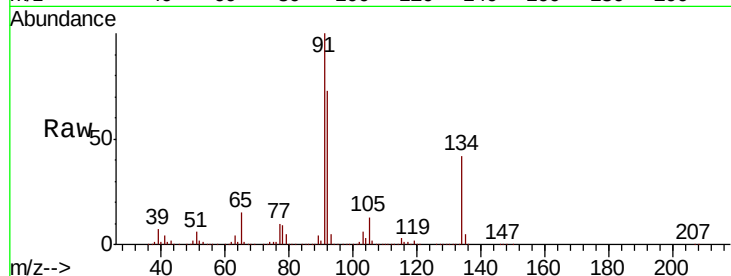
91 100

92 63.7 0.0 103.0

134 35.2 0.0 51.0

Manual Integrations
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#86

Hexachloroethane

Concen: 160.035 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057580.D

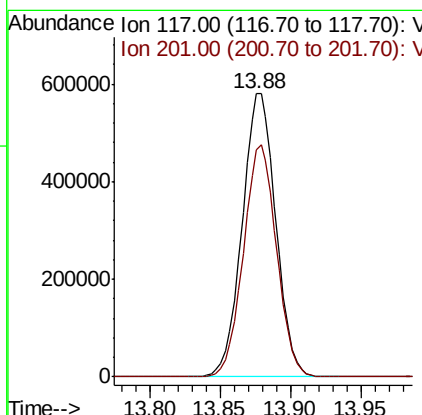
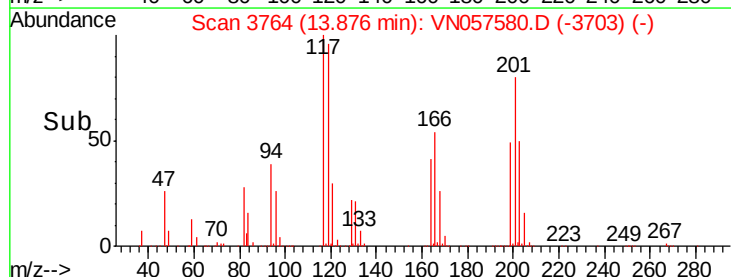
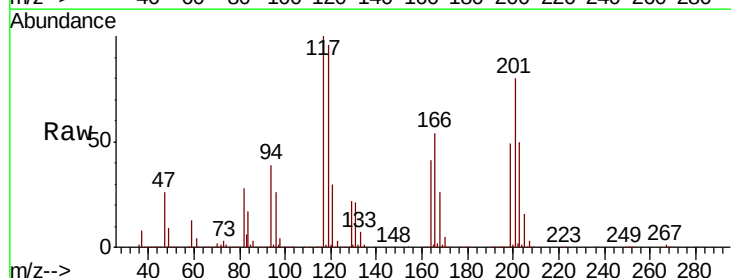
Acq: 30 Aug 2019 10:49

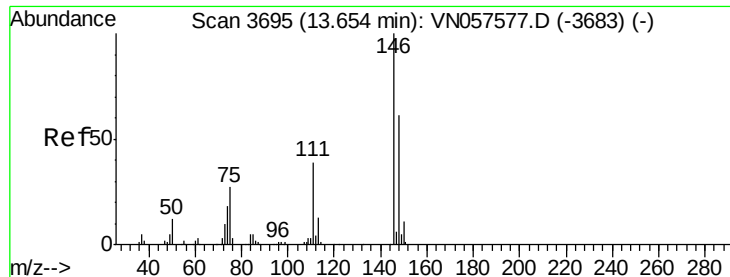
Tgt Ion: 117 Resp: 967955

Ion Ratio Lower Upper

117 100

201 80.9 38.0 113.9





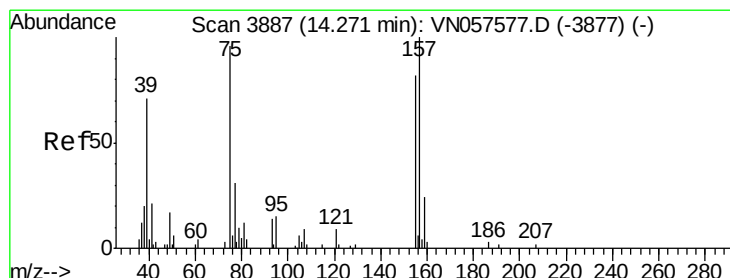
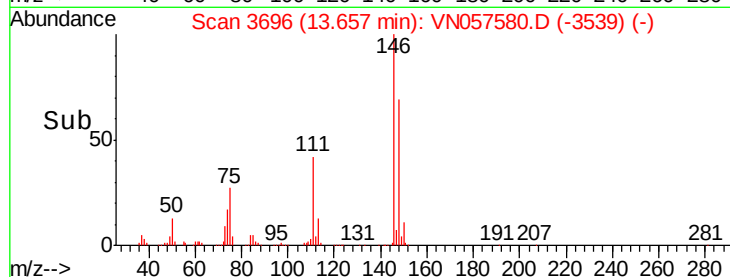
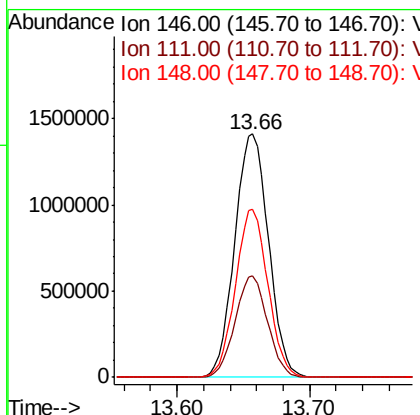
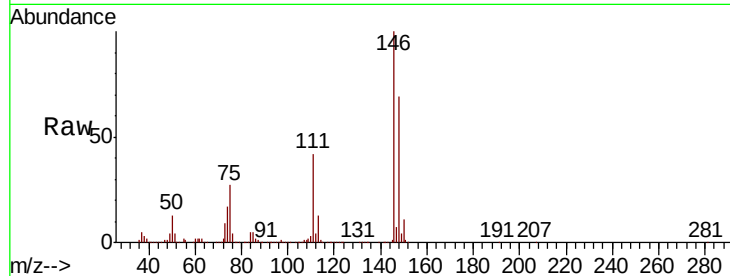
#87
 1,2-Dichlorobenzene
 Concen: 197.439 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.6
148	66.2	31.2	93.6

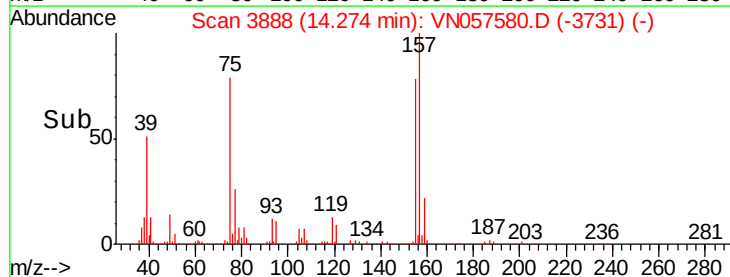
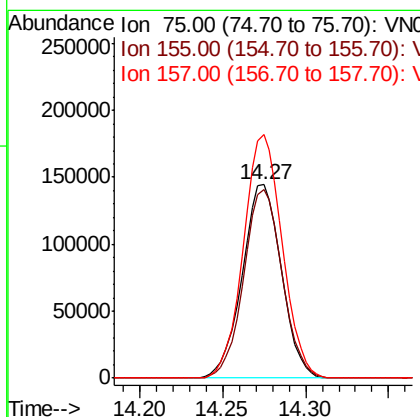
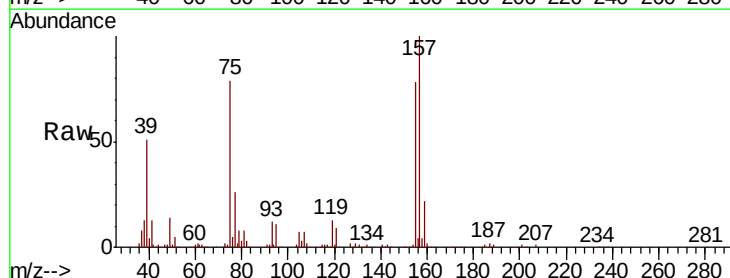
Manual Integrations
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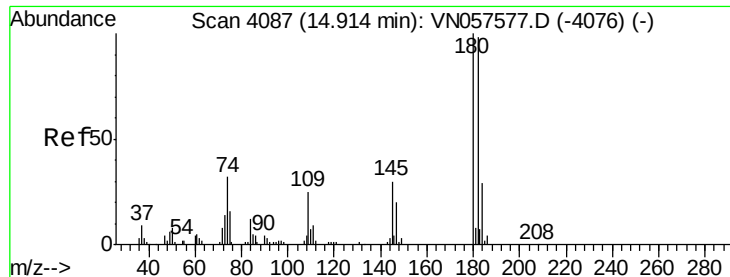
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 129.658 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	66.5	99.7
157	124.7	88.4	132.6





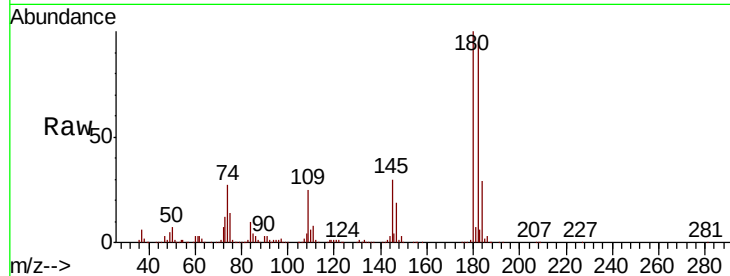
#89
 1,2,4-Trichlorobenzene
 Concen: 250.981 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	115.0
145	30.2	24.4	36.6

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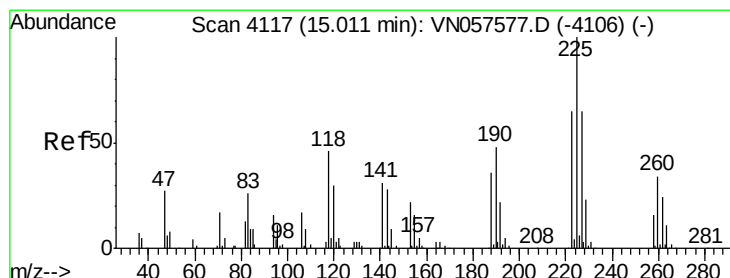
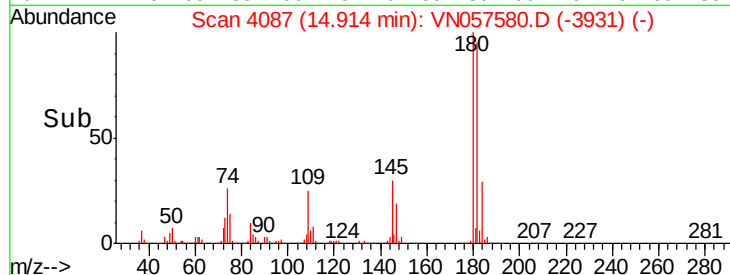
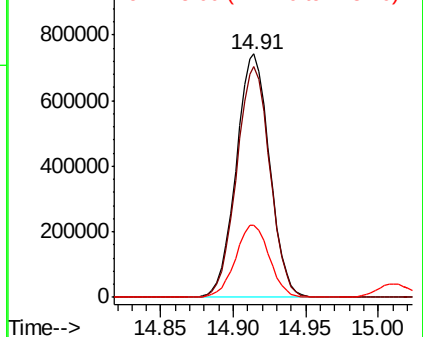


Abundance

Ion 180.00 (179.70 to 180.70): V

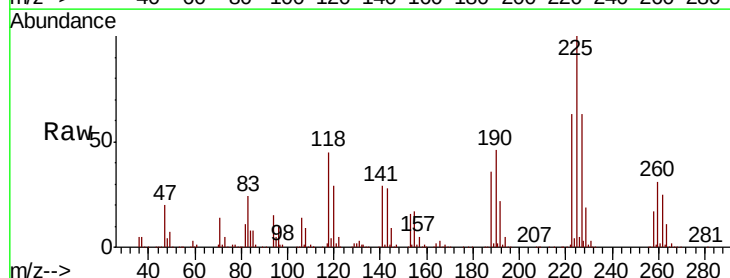
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 196.987 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057580.D
 Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	130.6
227	63.0	0.0	131.0

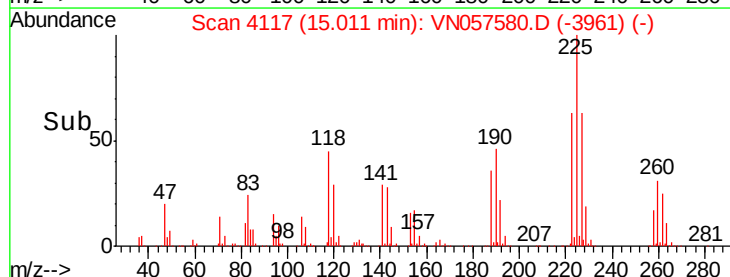
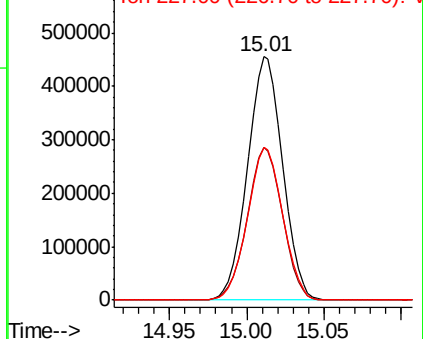


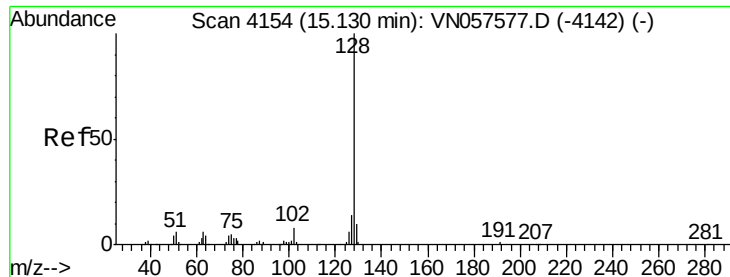
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





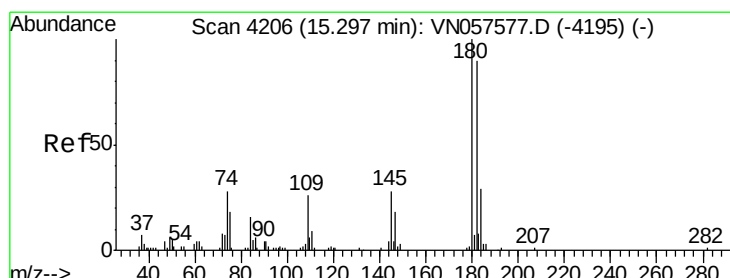
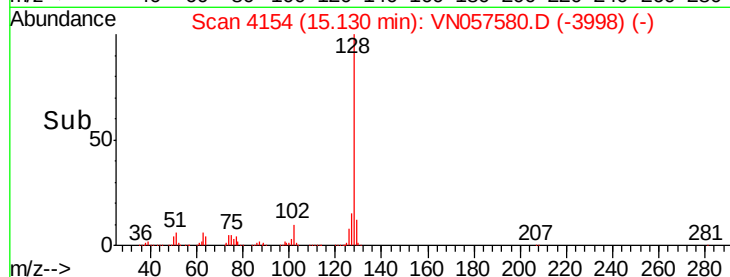
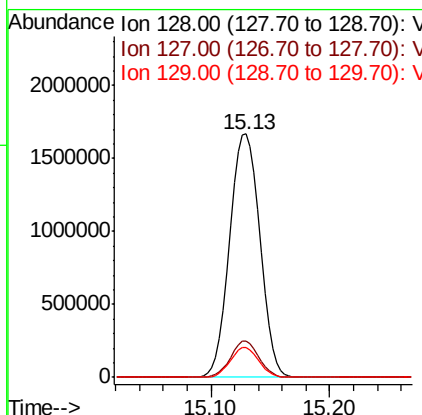
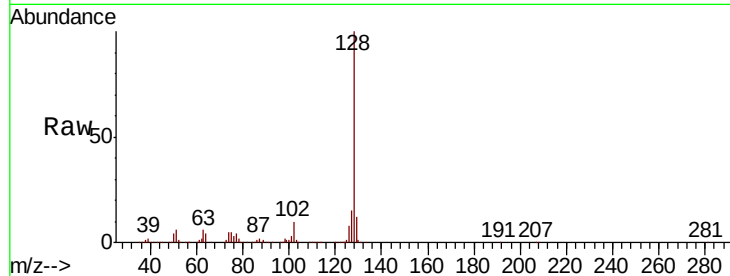
#91
Naphthalene
Concen: 198.501 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	11.4	8.1	12.1

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#92
1,2,3-Trichlorobenzene
Concen: 245.721 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057580.D
Acq: 30 Aug 2019 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	181.0
145	32.1	0.0	62.2

