

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057588.D
 Acq On : 30 Aug 2019 14:43
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:01:13 AM

Quant Time: Aug 31 00:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	83022	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	496640	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	428118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	202357	31.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.43%
60) 4-Bromofluorobenzene	12.40	95	188658	28.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.63%
63) Toluene-d8	10.08	98	608743	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	91093	20.630	ug/l 97
3) Chloromethane	2.06	50	83880	21.470	ug/l 99
4) Vinyl Chloride	2.18	62	132693	21.891	ug/l 98
5) Bromomethane	2.56	94	122803	22.054	ug/l 98
6) Chloroethane	2.70	64	88887	21.664	ug/l 97
7) Trichlorofluoromethane	3.01	101	300910	22.467	ug/l 96
8) Diethyl Ether	3.40	74	95683	22.205	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183156	22.848	ug/l 97
10) 1,1-Dichloroethene	3.72	96	166188	22.567	ug/l 99
11) Methyl Iodide	3.93	142	273218	21.462	ug/l 98
12) Methyl Acetate	4.32	43	83817	21.109	ug/l 98
13) Acrolein	3.59	56	52566	103.890	ug/l 95
14) Acrylonitrile	4.98	53	163292	104.672	ug/l # 92
15) Acetone	3.81	58	89368	106.140	ug/l 99
16) Carbon Disulfide	4.03	76	150577	19.598	ug/l 100
17) Allyl chloride	4.30	41	107511	20.462	ug/l 99
18) Methylene Chloride	4.53	84	87095	20.585	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	89043	21.173	ug/l 96
20) Diisopropyl ether	5.94	45	264810	21.105	ug/l 99
21) 1,1-Dichloroethane	5.83	63	165154	20.847	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	115408	20.592	ug/l 97
23) tert-Butyl Alcohol	4.80	59	65334	112.928	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	283458	20.916	ug/l 99
25) Chloroform	7.36	83	193235	20.075	ug/l 99
26) Cyclohexane	7.64	56	137674	20.841	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	133398	19.847	ug/l 99
30) 2-Butanone	6.82	43	221574	101.643	ug/l # 98
31) 2,2-Dichloropropane	6.81	77	155212	19.304	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	178316	19.788	ug/l 99
33) Carbon Tetrachloride	7.76	117	143574	18.778	ug/l 96
34) Benzene	8.03	78	401762	19.938	ug/l 95
35) Methacrylonitrile	7.17	41	47030	21.797	ug/l 92
36) 1,2-Dichloroethane	8.11	62	155511	20.917	ug/l 100
37) Trichloroethene	8.83	130	116024	19.880	ug/l 96
38) Methylcyclohexane	9.07	83	161487	19.726	ug/l 99
39) 1,2-Dichloropropane	9.11	63	100453	20.373	ug/l 97
40) Dibromomethane	9.20	93	73825	19.447	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	150533	19.355	ug/l	99
42) Vinyl Acetate	5.88	43	1045567	107.957	ug/l	99
43) Ethyl Acetate	6.92	43	93160	22.158	ug/l #	89
44) Isopropyl Acetate	8.16	43	173556	20.636	ug/l	98
45) 1,4-Dioxane	9.20	88	29925	413.246	ug/l #	91
46) Methyl methacrylate	9.19	41	78371	20.092	ug/l	95
47) n-amyl Acetate	12.07	43	139367	20.017	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	138863	17.988	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	156823	18.757	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	105232	19.422	ug/l	97
51) Ethyl methacrylate	10.43	69	134233	19.035	ug/l	97
52) 1,3-Dichloropropane	10.70	76	168069	19.908	ug/l	95
53) Dibromochloromethane	10.90	129	109767	17.994	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104935	18.686	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	158673	91.672	ug/l	96
56) Bromoform	12.13	173	67762	16.987	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	492507	113.844	ug/l	100
59) 2-Hexanone	10.75	43	326266	106.664	ug/l	95
61) Tetrachloroethene	10.63	164	107145	19.576	ug/l	94
62) Toluene	10.15	91	459143	21.150	ug/l	100
64) Chlorobenzene	11.43	112	276675	19.792	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	107708	19.415	ug/l	98
66) Ethyl Benzene	11.51	91	508135	21.758	ug/l	100
67) m/p-Xylenes	11.62	106	376313	40.274	ug/l	100
68) o-Xylene	11.95	106	187105	19.930	ug/l	99
69) Styrene	11.96	104	286130	19.230	ug/l	98
70) Isopropylbenzene	12.25	105	504972	21.458	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	127022	20.293	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	106597m	20.060	ug/l	
73) Bromobenzene	12.53	156	114715	19.069	ug/l	99
74) n-propylbenzene	12.59	91	515051	21.231	ug/l	100
75) 2-Chlorotoluene	12.67	91	314791	20.090	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	418144	20.997	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31281	18.586	ug/l	91
78) 4-Chlorotoluene	12.77	91	291824	19.361	ug/l	100
79) tert-butylbenzene	12.99	119	366826	20.155	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	398404	21.223	ug/l	97
81) sec-Butylbenzene	13.17	105	461950	20.879	ug/l	99
82) p-Isopropyltoluene	13.29	119	408590	20.825	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	173349	17.815	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	161406	17.295	ug/l	99
85) n-Butylbenzene	13.62	91	290819	19.032	ug/l	100
86) Hexachloroethane	13.88	117	67989	18.121	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	173635	18.566	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16165	17.197	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	45442	13.186	ug/l	98
90) Hexachlorobutadiene	15.01	225	54810	18.491	ug/l	98
91) Naphthalene	15.13	128	140547	14.653	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	48901	14.324	ug/l	99

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ClientSampleId :
VSTDCCC020EC

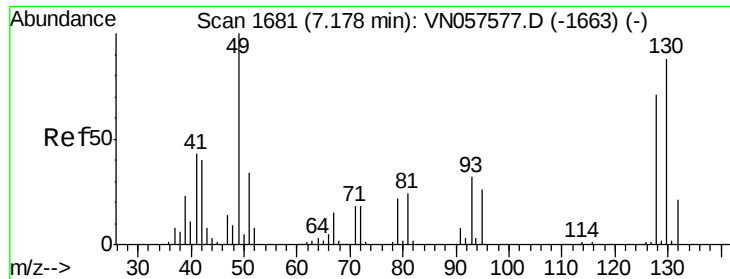
Manual Integrations
APPROVED

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



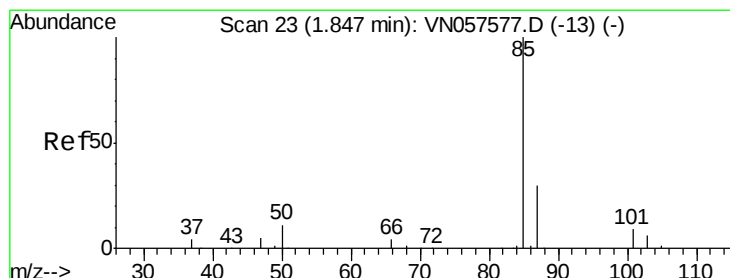
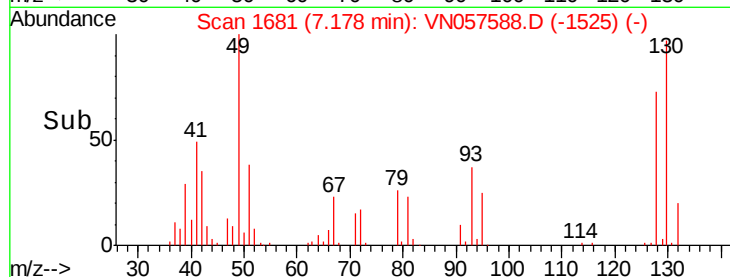
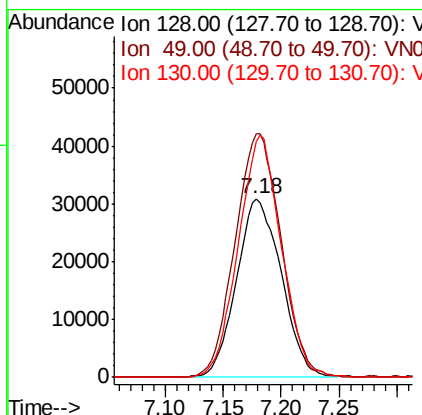
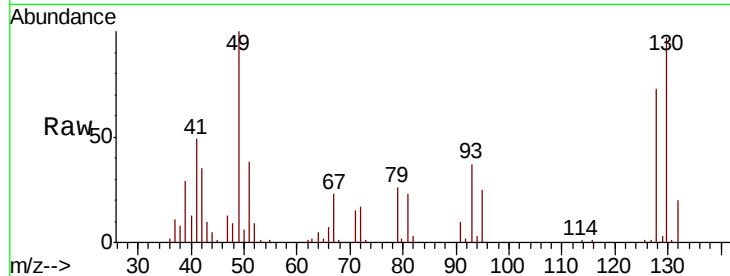
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
128	100		
49	139.9	0.0	352.3
130	130.3	0.0	324.7

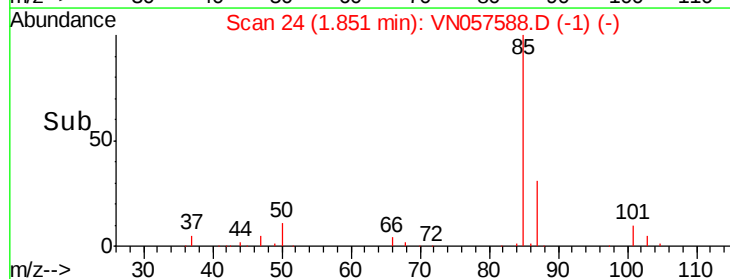
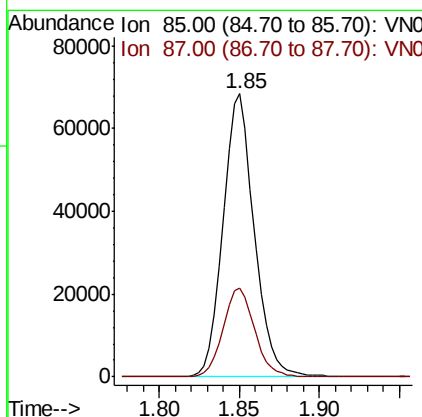
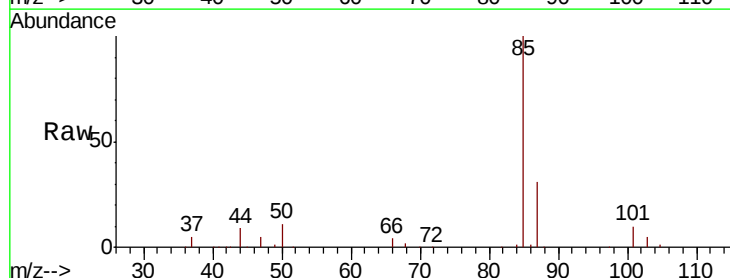
Manual Integrations
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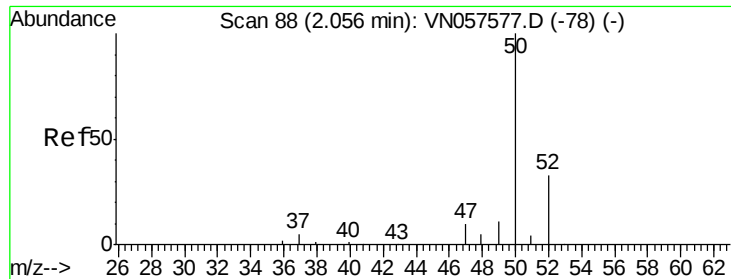
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#2
Dichlorodifluoromethane
Concen: 20.630 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.0	45.0





#3

Chloromethane

Concen: 21.470 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 83880

Ion Ratio Lower Upper

50 100

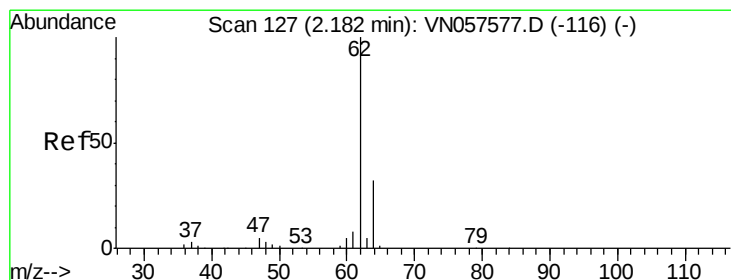
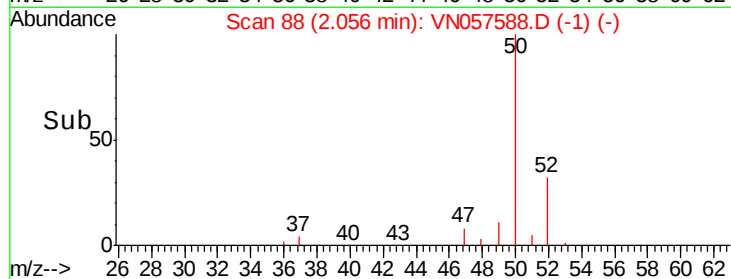
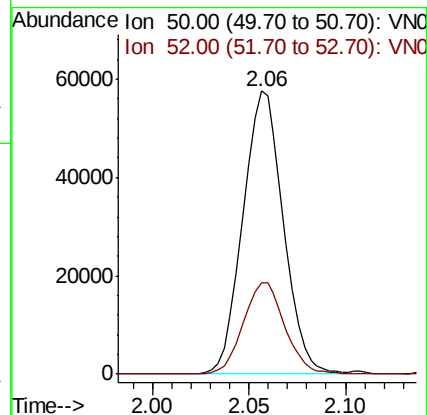
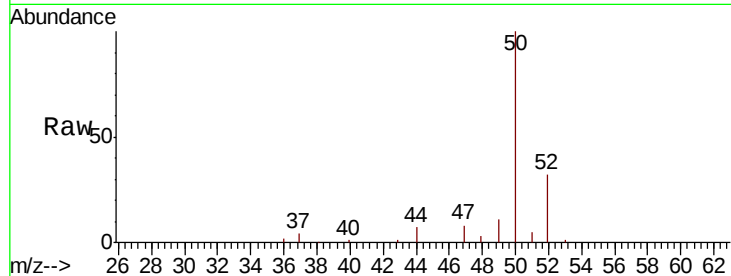
52 32.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.891 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057588.D

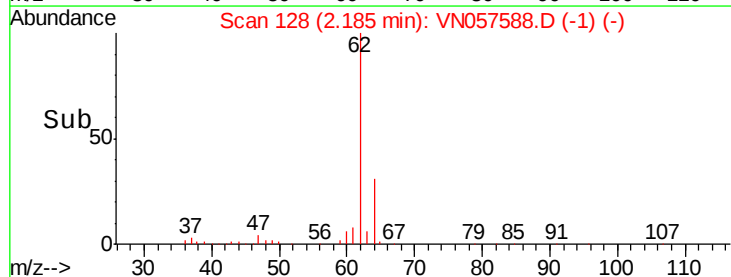
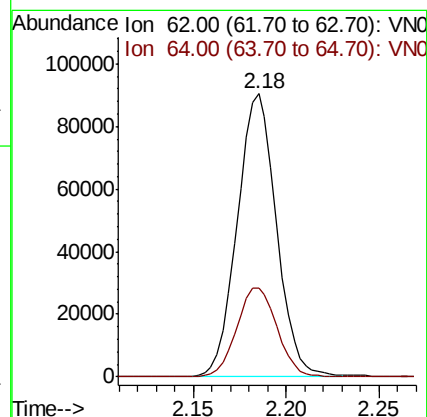
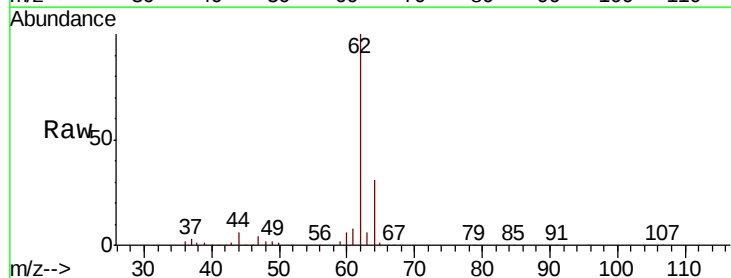
Acq: 30 Aug 2019 14:43

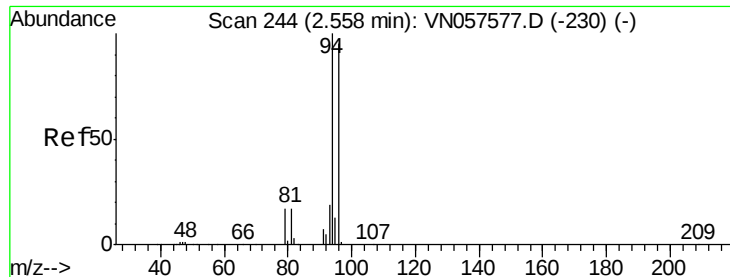
Tgt Ion: 62 Resp: 132693

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 22.054 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 122803

Ion Ratio Lower Upper

94 100

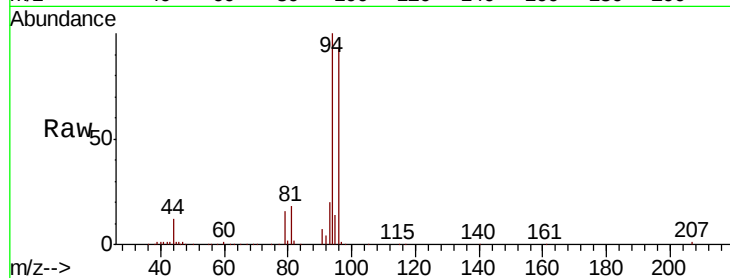
96 93.0 76.2 114.4

Manual Integrations

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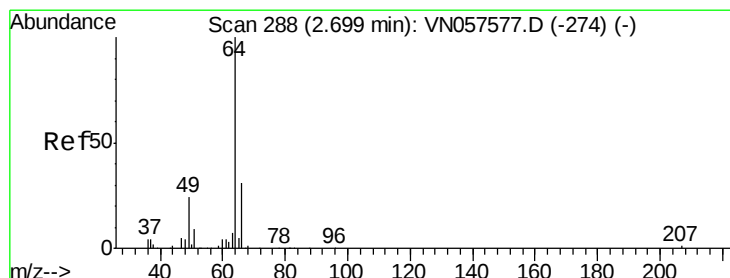
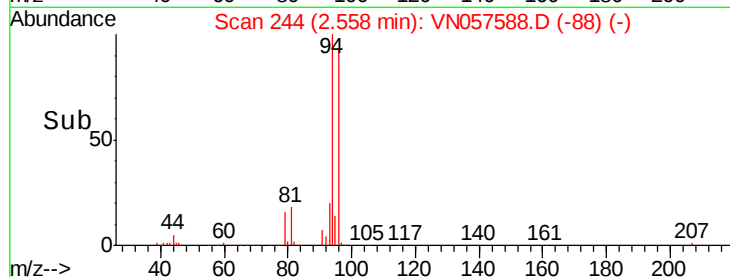
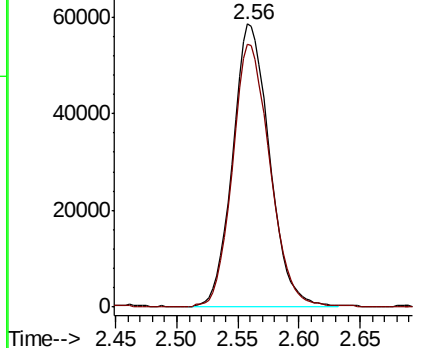
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.664 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057588.D

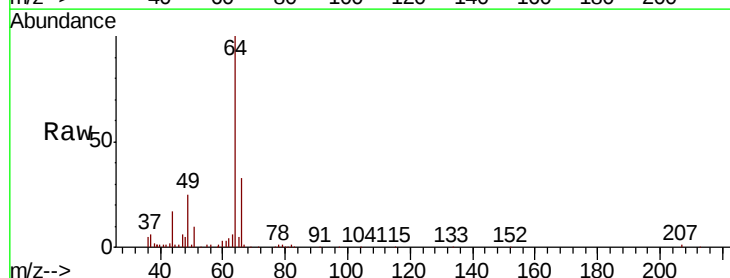
Acq: 30 Aug 2019 14:43

Tgt Ion: 64 Resp: 88887

Ion Ratio Lower Upper

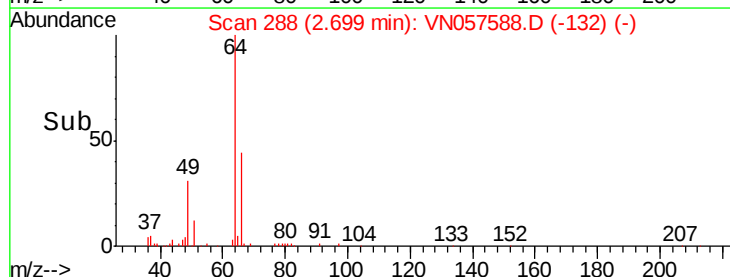
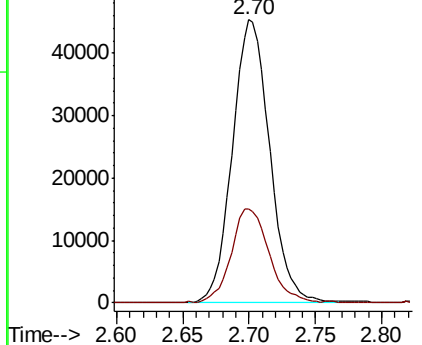
64 100

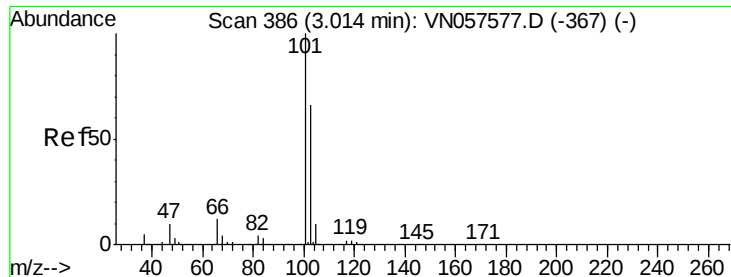
66 33.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

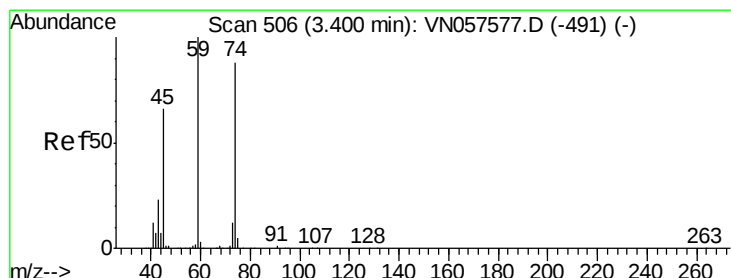
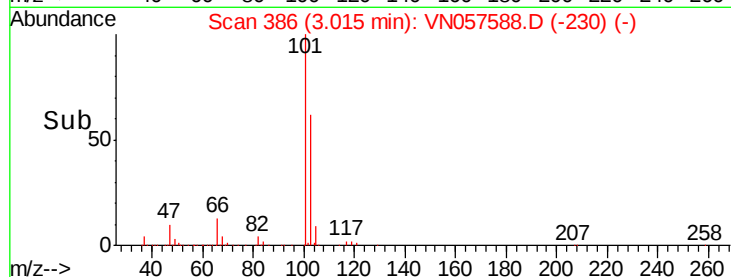
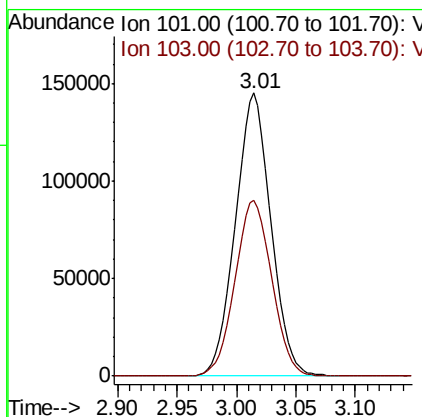
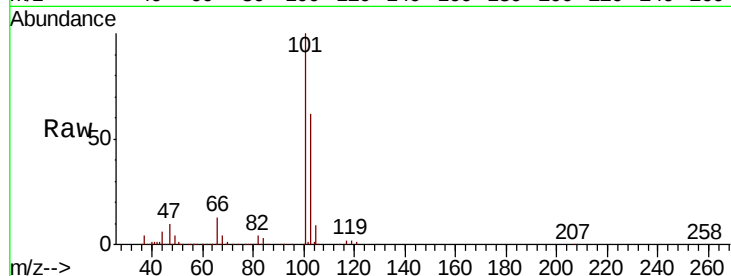
Trichlorofluoromethane
Concen: 22.467 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

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VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.4	78.6

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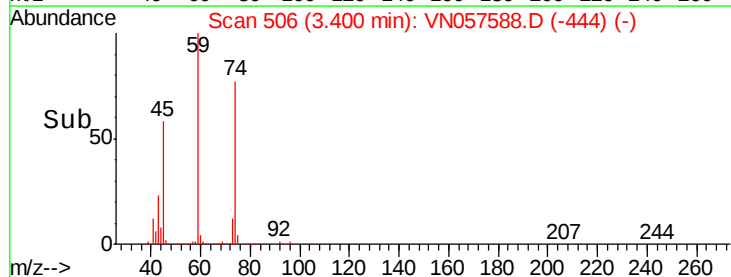
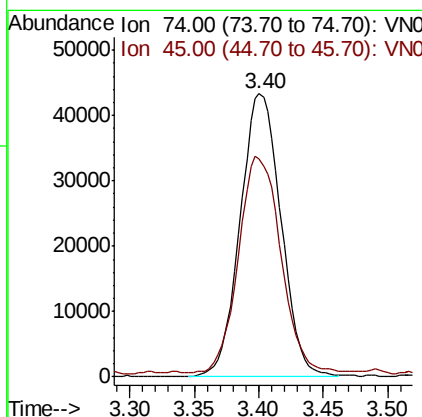
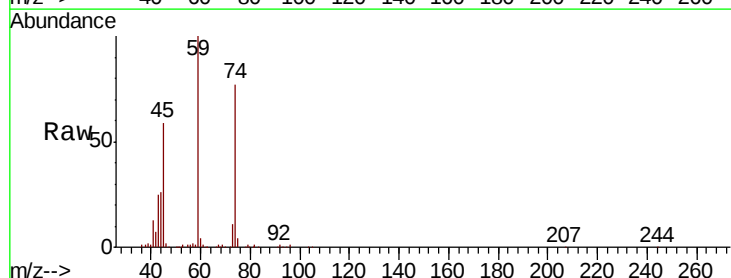
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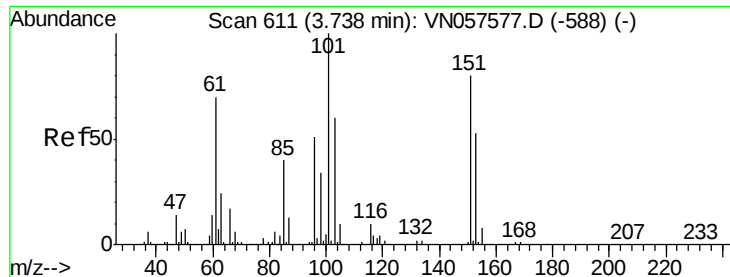


#8

Diethyl Ether
Concen: 22.205 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.8	15.2	137.2





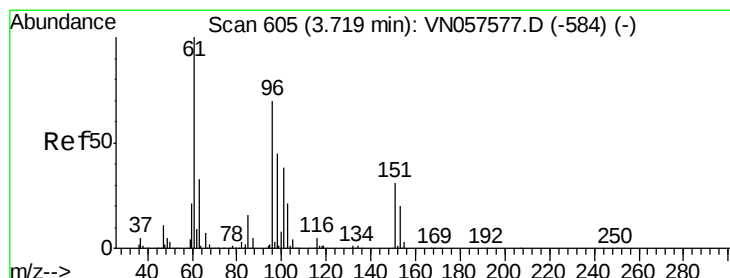
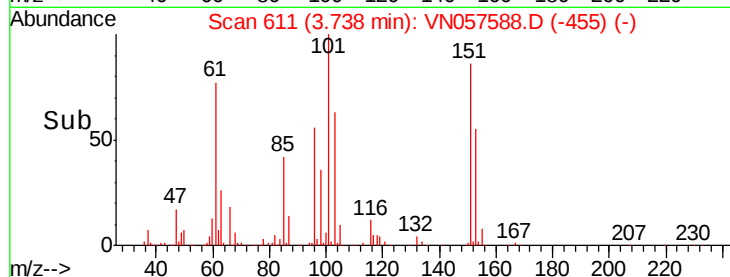
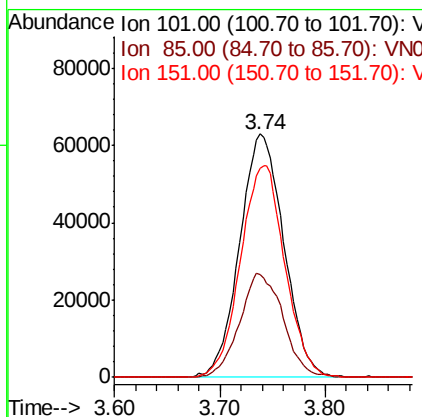
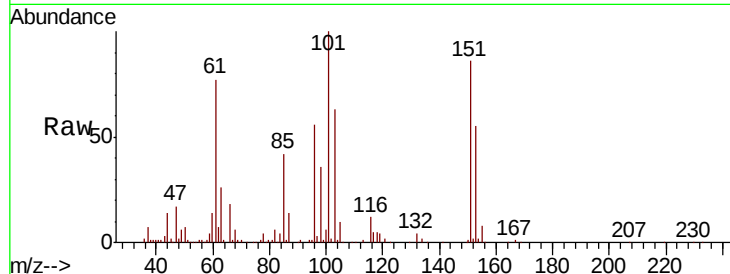
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.848 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	183156		
85	41.6	0.0	83.2	
151	87.2	0.0	166.6	

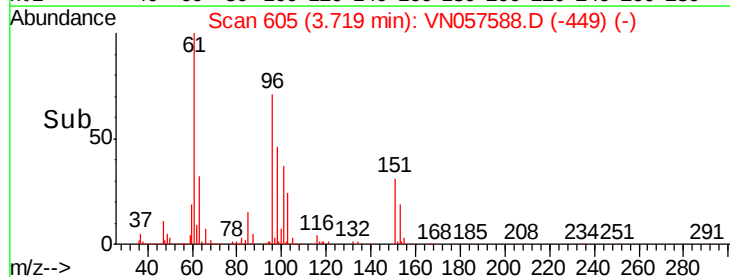
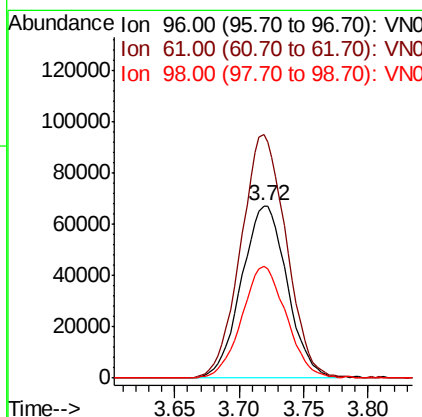
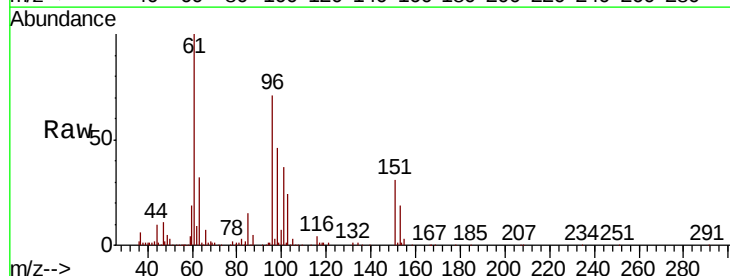
Manual Integrations
 APPROVED

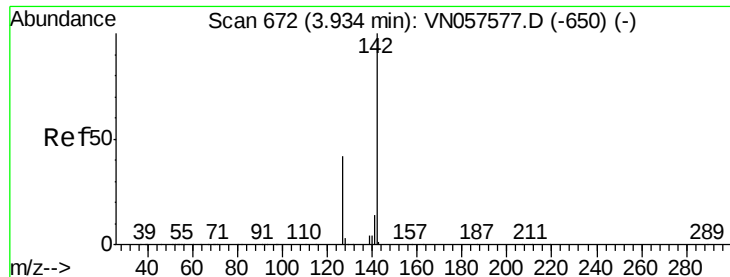
MMDadoda
 8/31/2019 10:01:13 AM



#10
 1,1-Dichloroethene
 Concen: 22.567 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	166188		
61	140.8	114.2	171.4	
98	64.8	51.8	77.6	





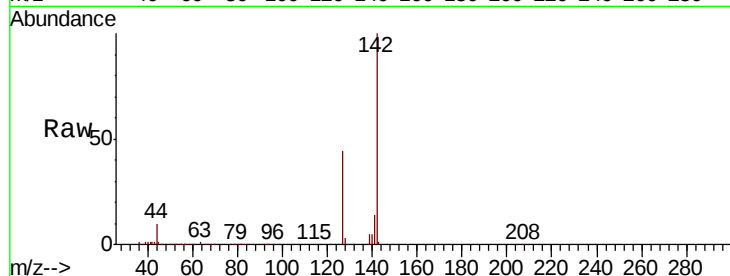
#11
Methyl Iodide
Concen: 21.462 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

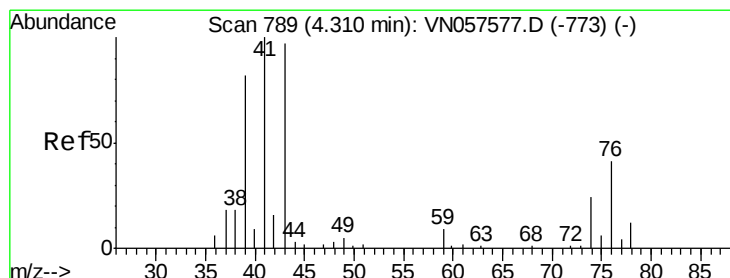
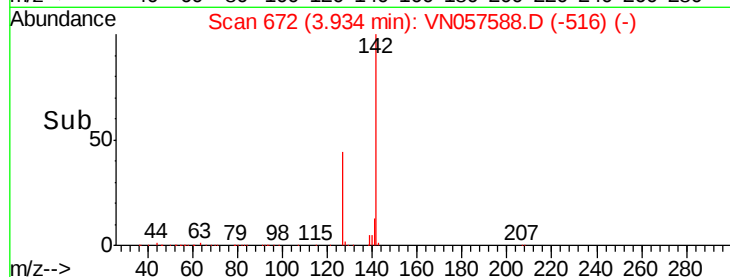
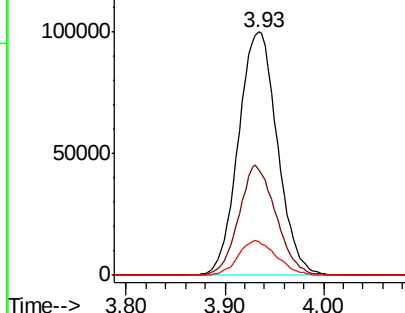
Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.6	20.8	62.4
141	13.7	6.8	20.4

Manual Integrations
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MMDadoda
8/31/2019 10:01:13 AM

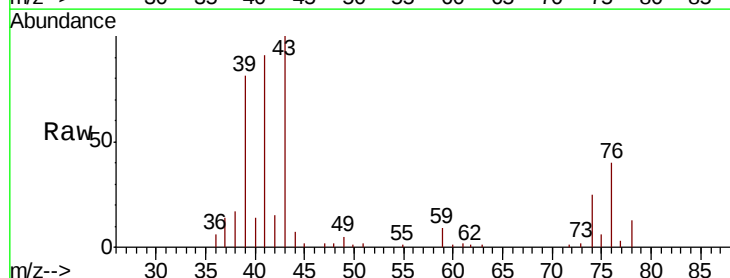


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

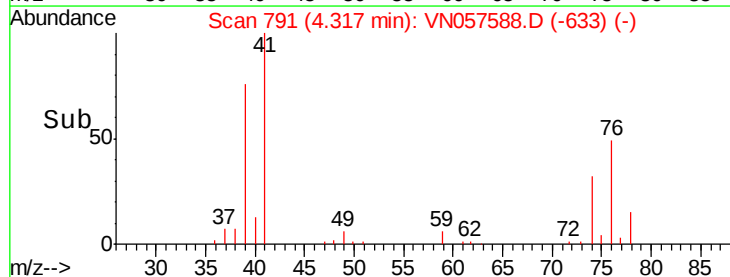
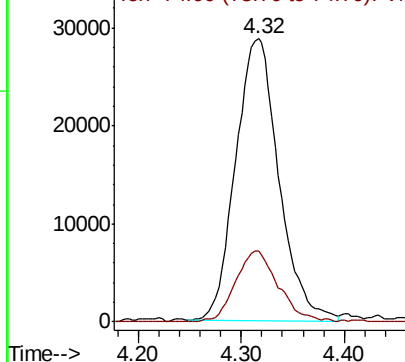


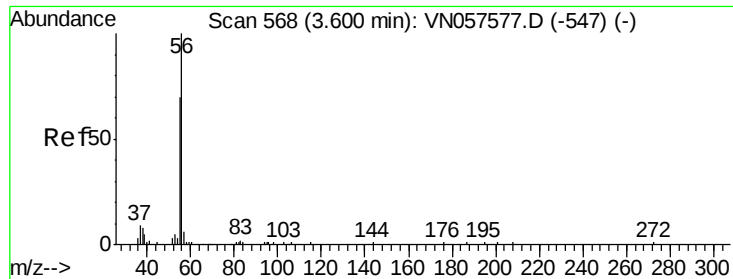
#12
Methyl Acetate
Concen: 21.109 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.6	29.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 103.890 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 52566

Ion Ratio Lower Upper

56 100

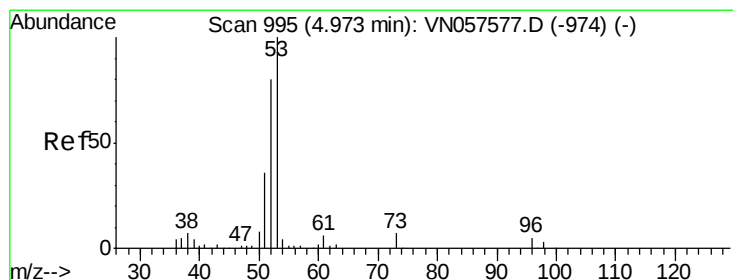
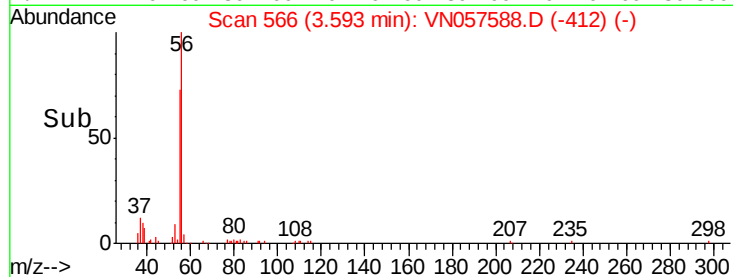
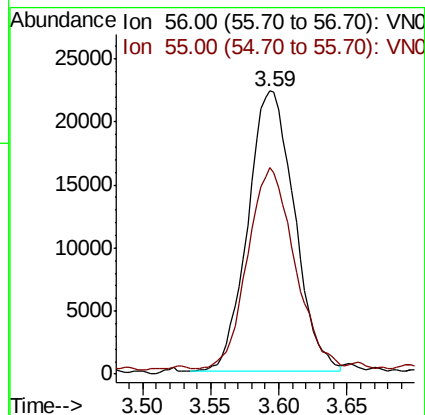
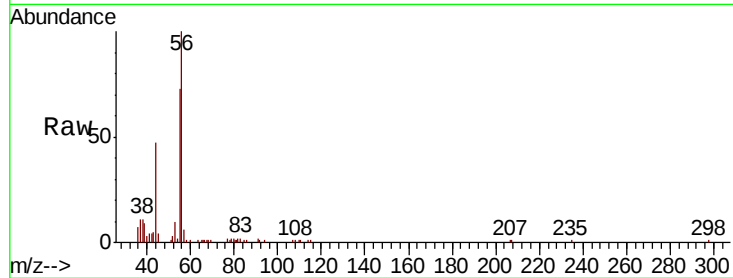
55 71.8 54.5 81.7

Manual Integrations

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#14

Acrylonitrile

Concen: 104.672 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

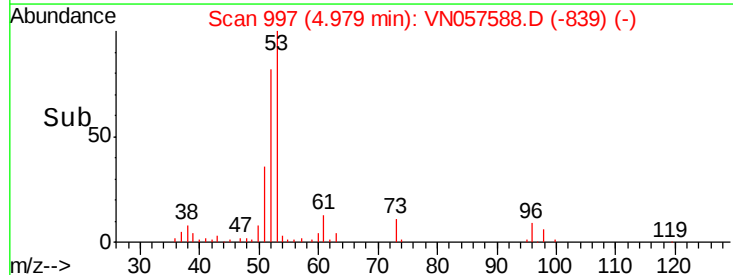
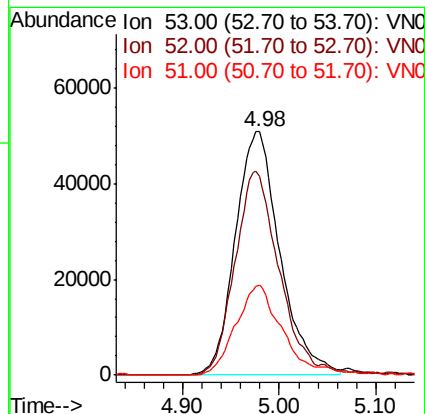
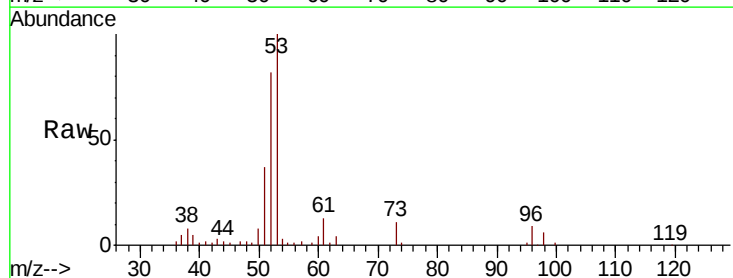
Tgt Ion: 53 Resp: 163292

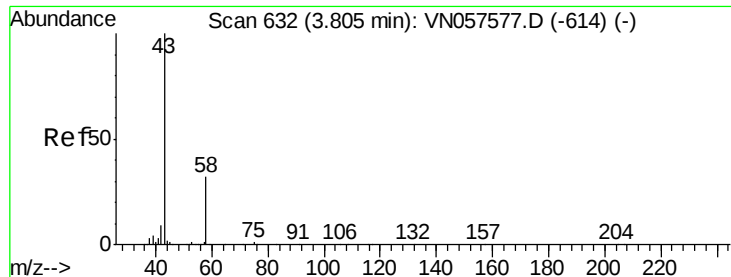
Ion Ratio Lower Upper

53 100

52 81.4 40.6 122.0

51 36.9 8.3 24.9#





#15

Acetone

Concen: 106.140 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 89368

Ion Ratio Lower Upper

58 100

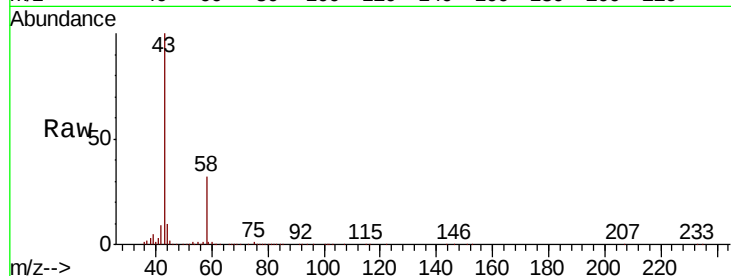
43 313.4 252.8 379.2

Manual Integrations

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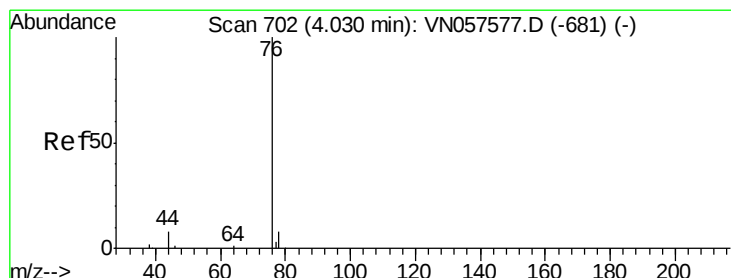
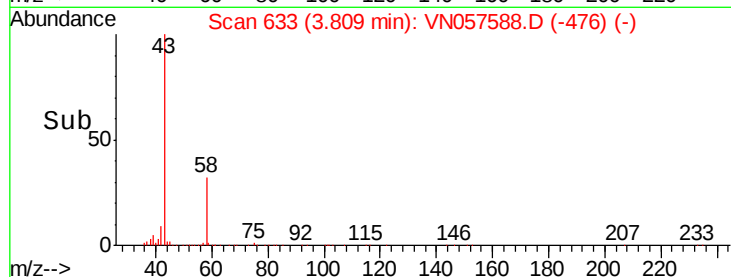
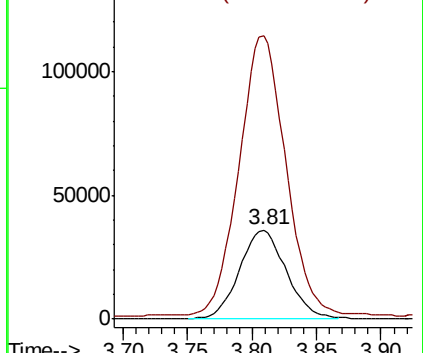
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.598 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057588.D

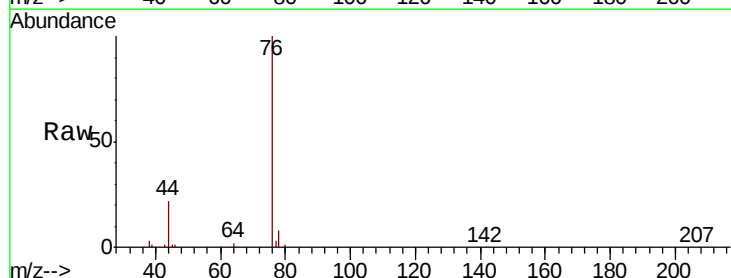
Acq: 30 Aug 2019 14:43

Tgt Ion: 76 Resp: 150577

Ion Ratio Lower Upper

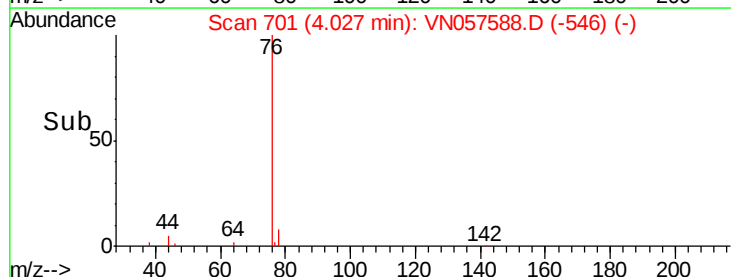
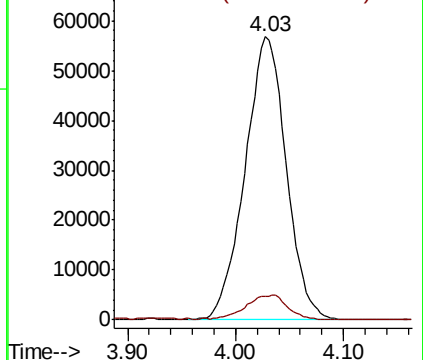
76 100

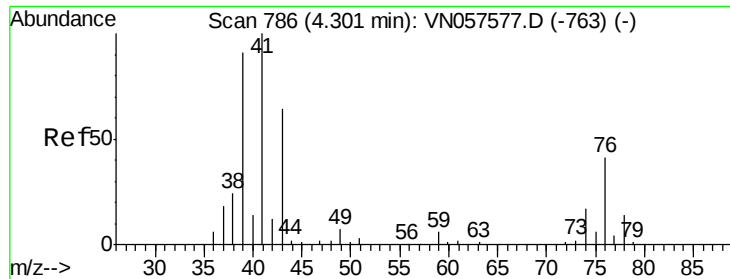
78 8.3 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





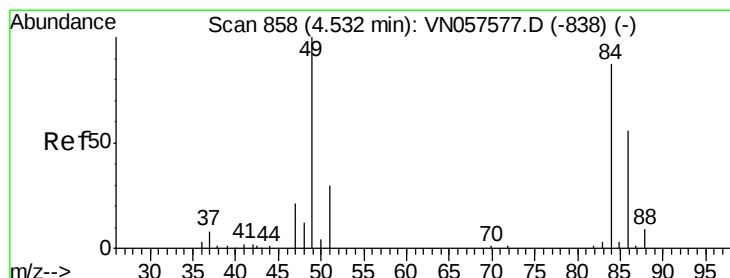
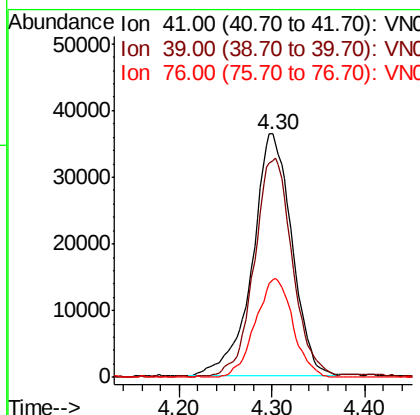
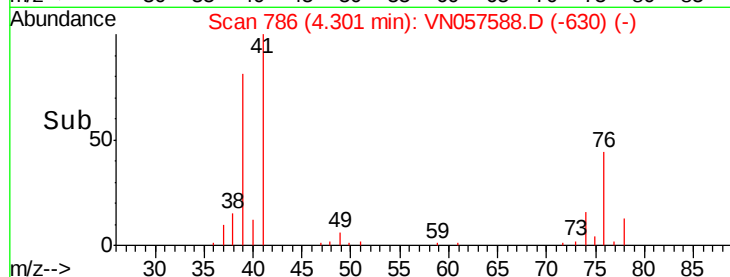
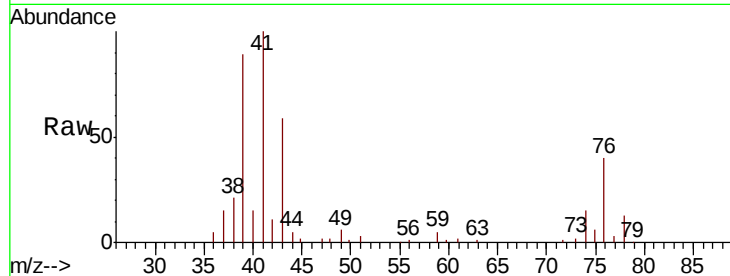
#17
 Allyl chloride
 Concen: 20.462 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	41	Resp:	107511
Ion	Ratio	Lower	Upper
41	100		
39	89.7	44.6	134.0
76	40.2	19.8	59.3

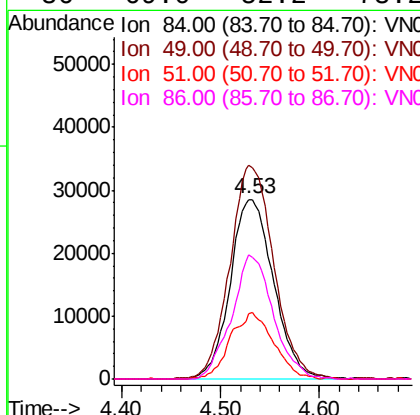
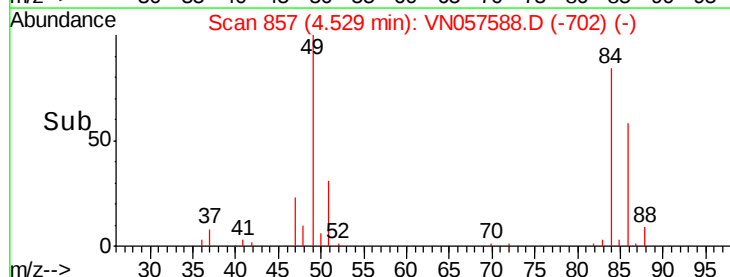
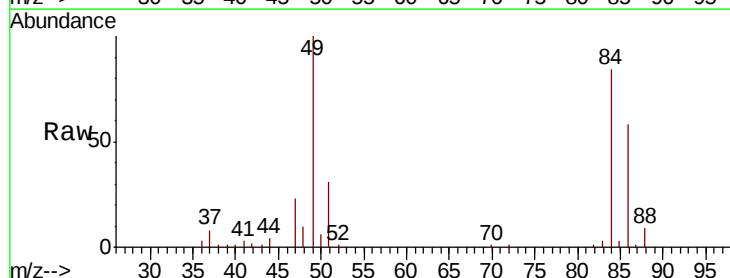
Manual Integrations
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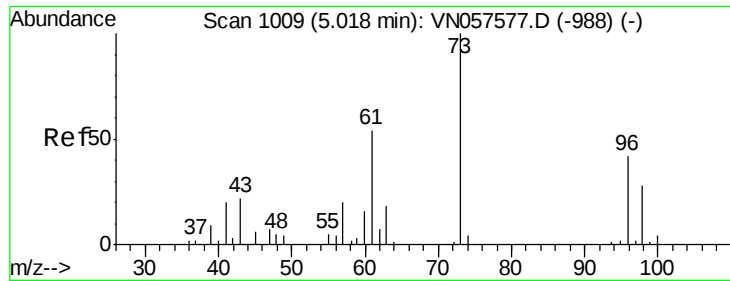
MMDadoda
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#18
 Methylene Chloride
 Concen: 20.585 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion:	84	Resp:	87095
Ion	Ratio	Lower	Upper
84	100		
49	118.5	92.4	138.6
51	36.5	27.9	41.9
86	69.0	52.2	78.2





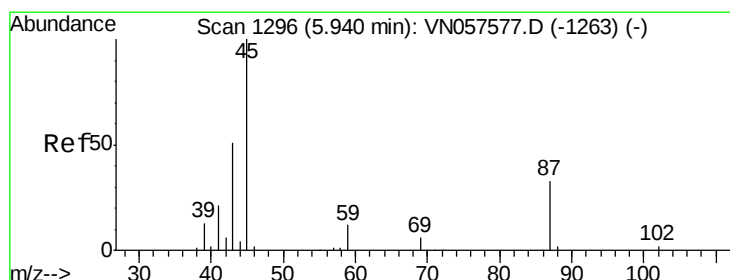
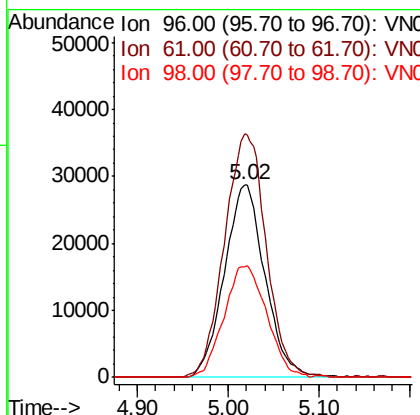
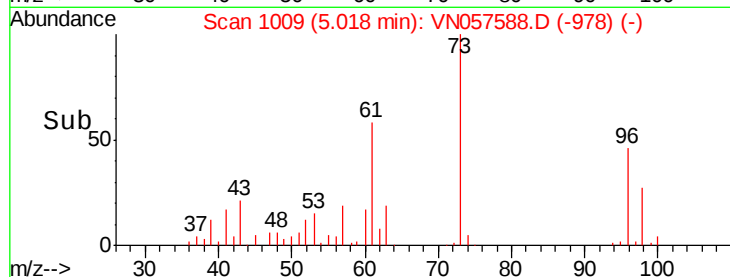
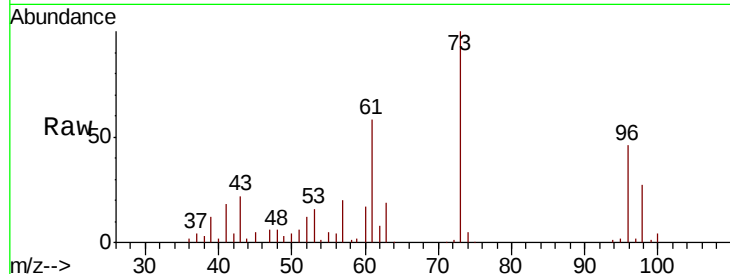
#19
trans-1,2-Dichloroethene
Concen: 21.173 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 89043
Ion Ratio Lower Upper
96 100
61 126.5 102.6 153.8
98 57.7 52.6 79.0

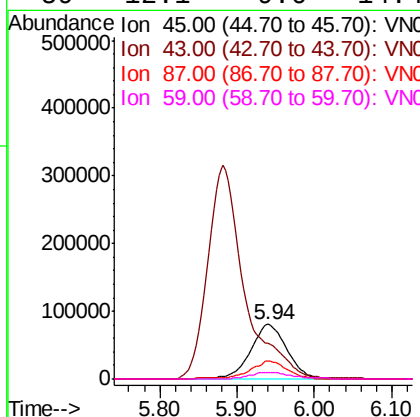
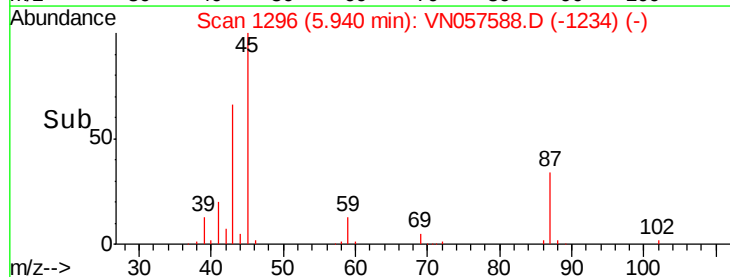
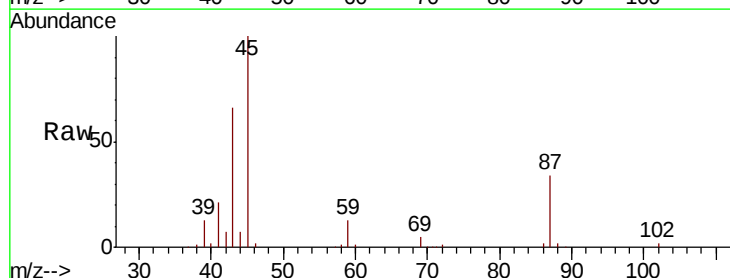
Manual Integrations
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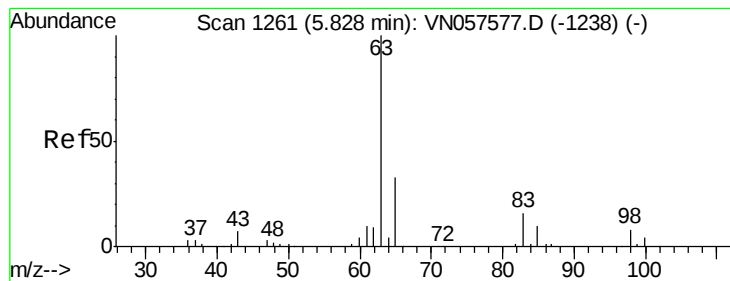
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#20
Diisopropyl ether
Concen: 21.105 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 45 Resp: 264810
Ion Ratio Lower Upper
45 100
43 64.1 51.9 77.9
87 33.8 27.3 40.9
59 12.1 9.6 14.4





#21

1,1-Dichloroethane

Concen: 20.847 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

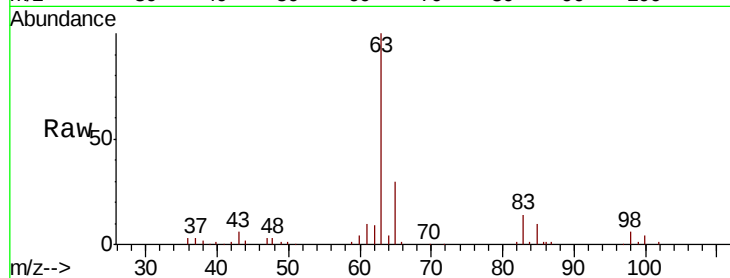
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	63	Resp:	165154
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.8	11.2
100	4.3	2.0	6.0

Manual Integrations
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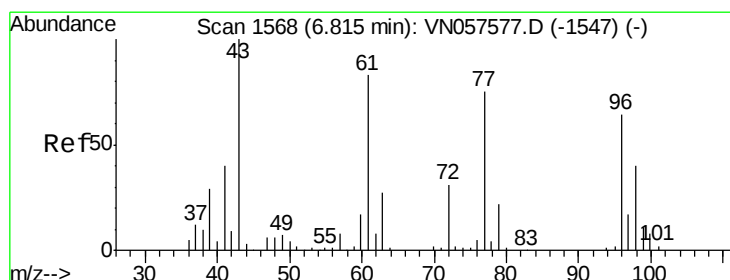
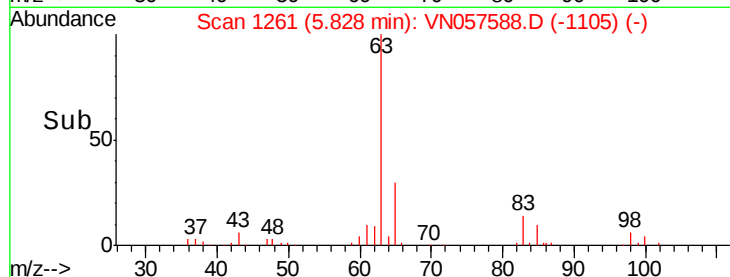


Abundance Ion 63.00 (62.70 to 63.70): VN057577.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1238) (-)

Ion 100.00 (99.70 to 100.70): VN057577.D (-1238) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.592 ug/l

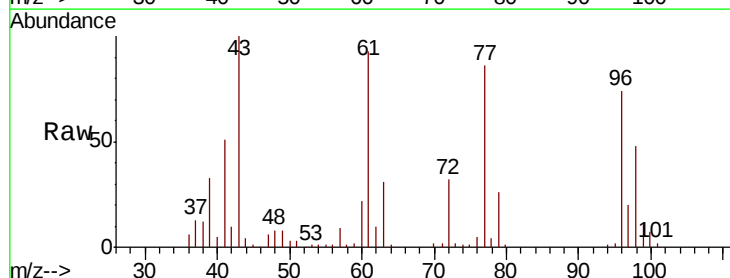
RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Tgt Ion:	96	Resp:	115408
Ion	Ratio	Lower	Upper
96	100		
61	134.5	110.5	165.7
98	65.4	51.1	76.7

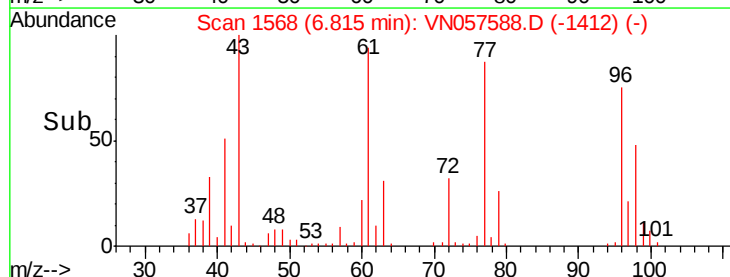


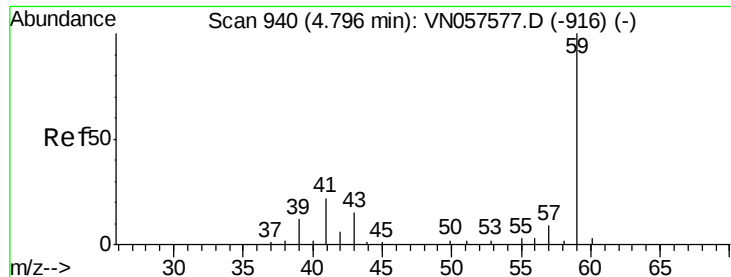
Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1547) (-)

Time-->





#23

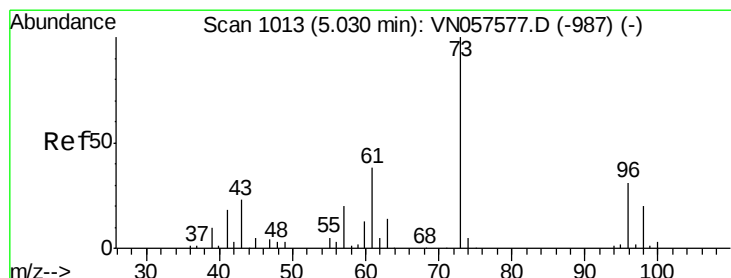
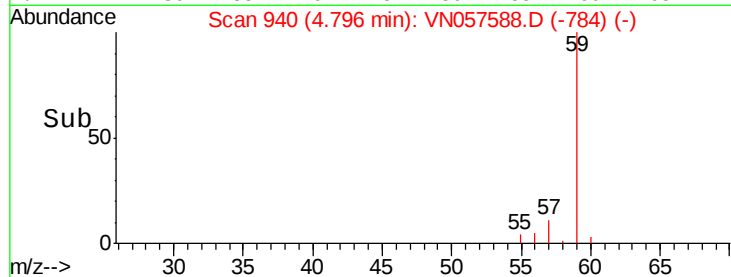
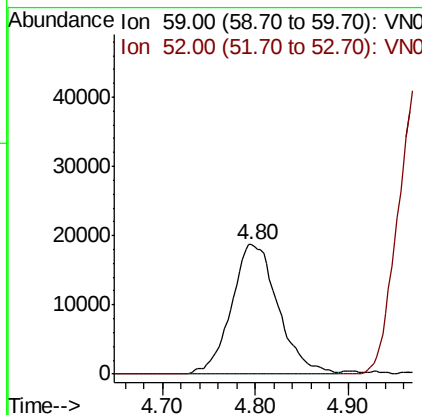
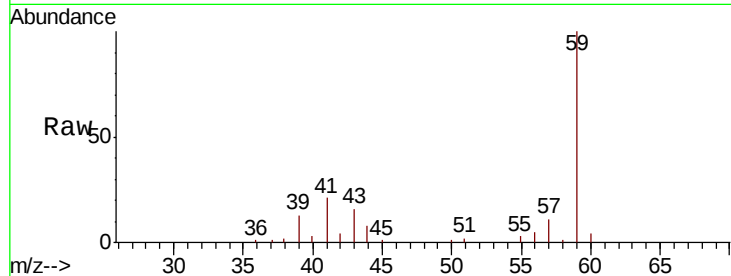
tert-Butyl Alcohol
 Concen: 112.928 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 59 Resp: 65334
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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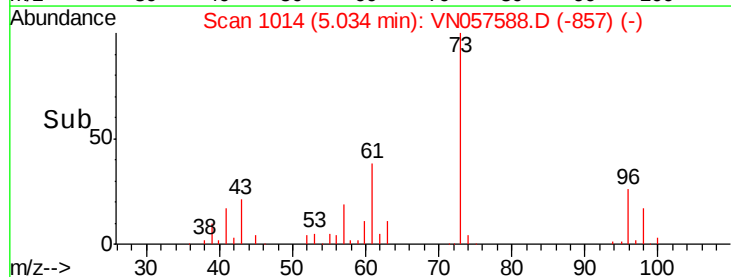
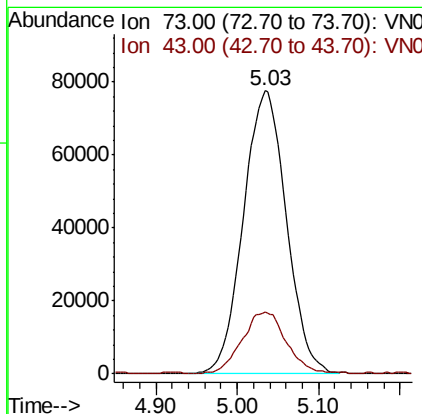
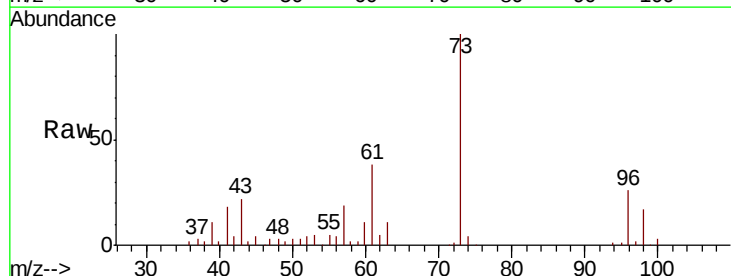
MMDadoda
 8/31/2019 10:01:13 AM

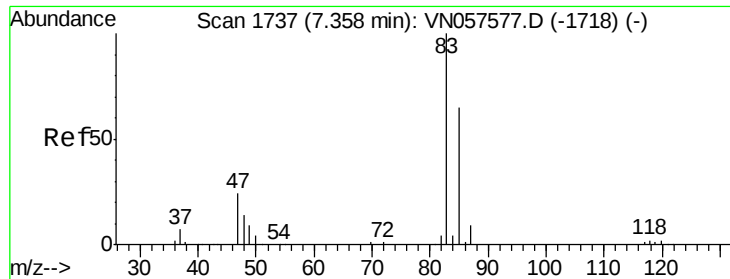


#24

Methyl tert-Butyl Ether
 Concen: 20.916 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 73 Resp: 283458
 Ion Ratio Lower Upper
 73 100
 43 22.6 18.4 27.6





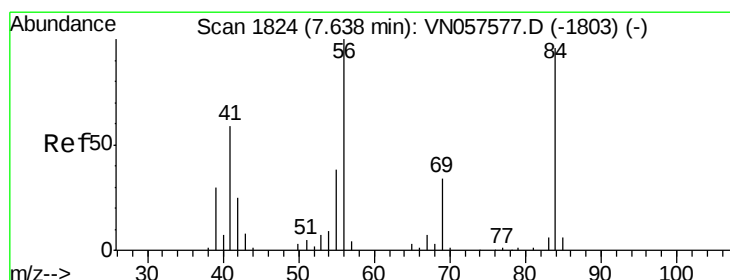
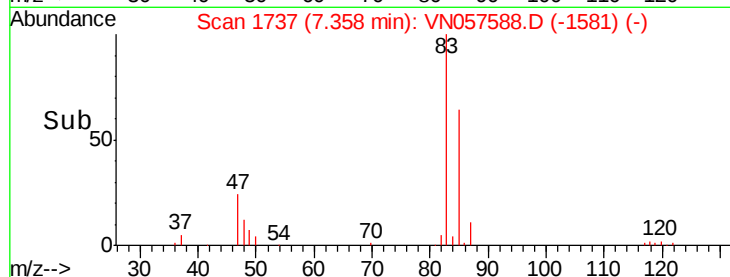
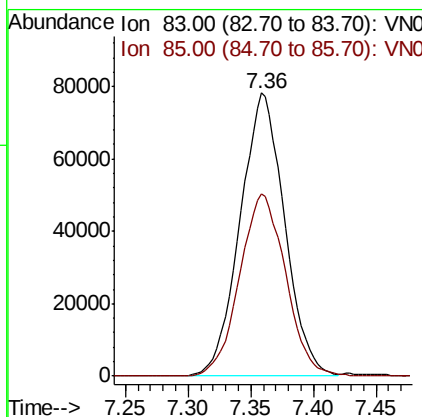
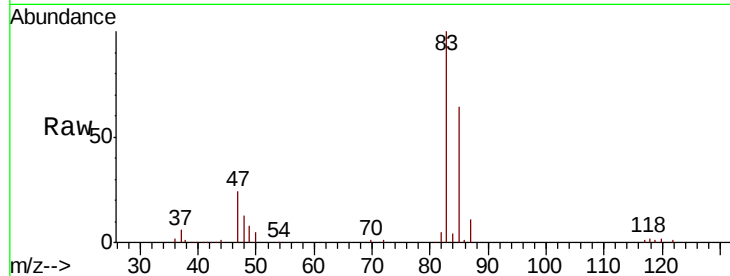
#25
Chloroform
Concen: 20.075 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 193235
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6

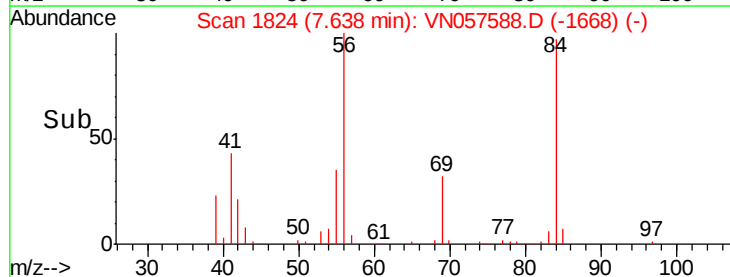
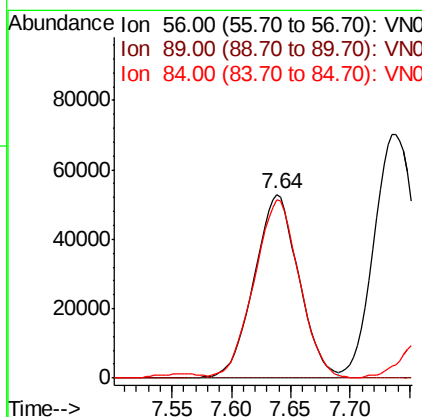
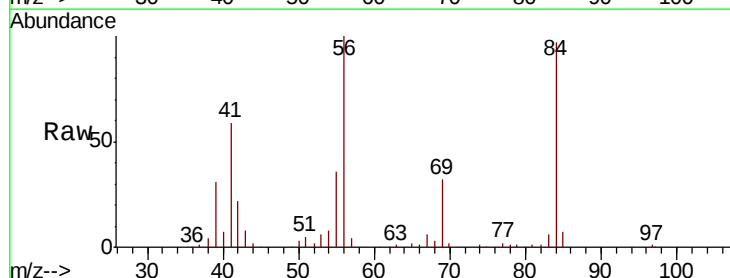
Manual Integrations
APPROVED

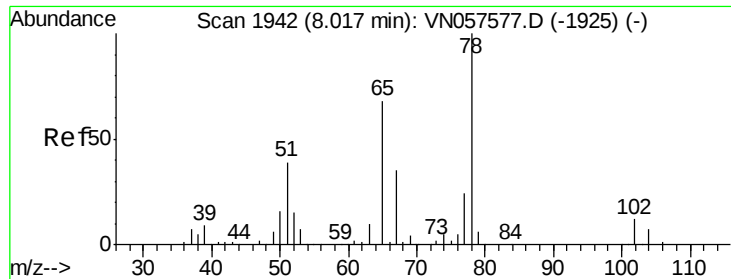
MMDadoda
8/31/2019 10:01:13 AM



#26
Cyclohexane
Concen: 20.841 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 56 Resp: 137674
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 98.5 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 31.633 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 202357

Ion Ratio Lower Upper

65 100

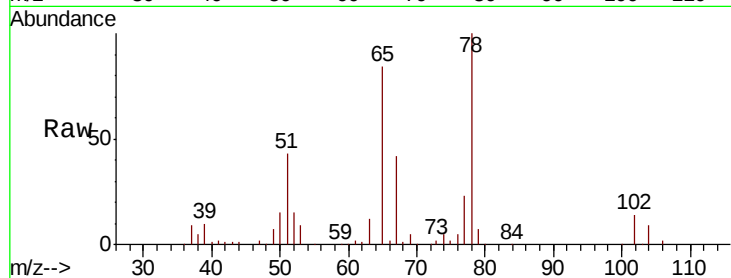
67 50.6 39.8 59.6

Manual Integrations

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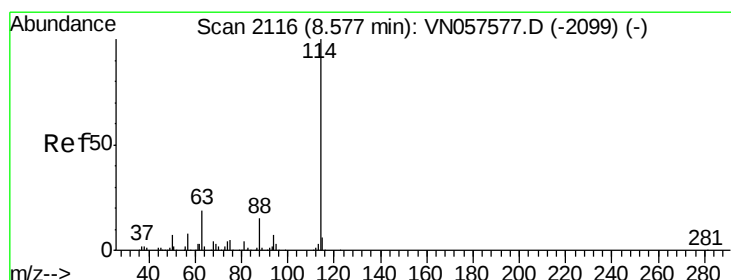
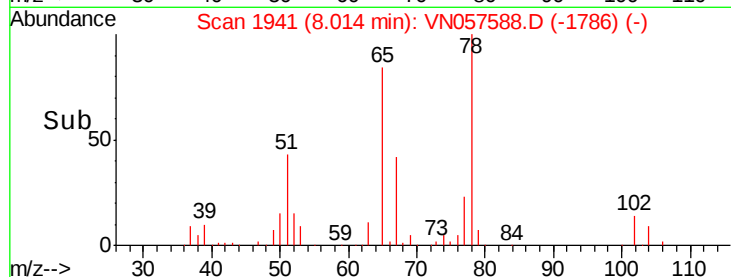
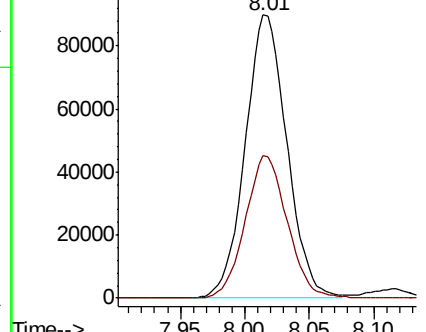
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VN057577.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN057577.D (-1925) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

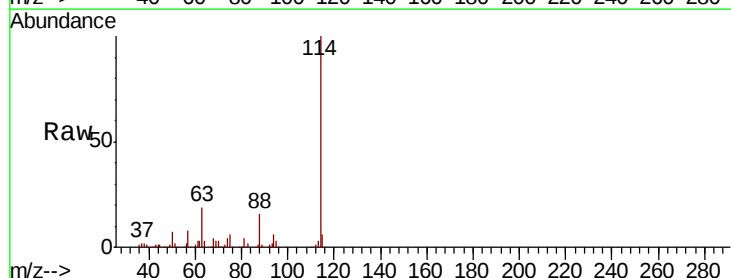
Tgt Ion: 114 Resp: 496640

Ion Ratio Lower Upper

114 100

63 18.4 15.4 23.0

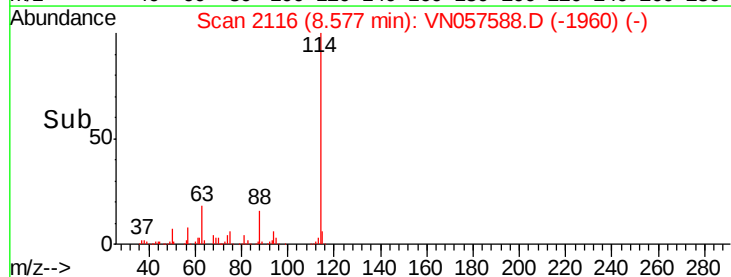
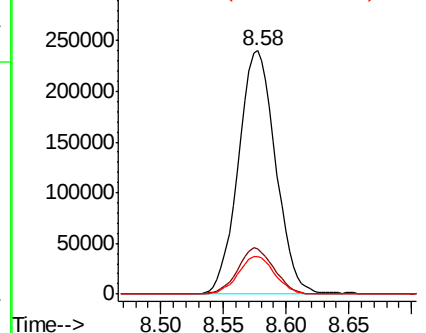
88 15.2 11.8 17.8

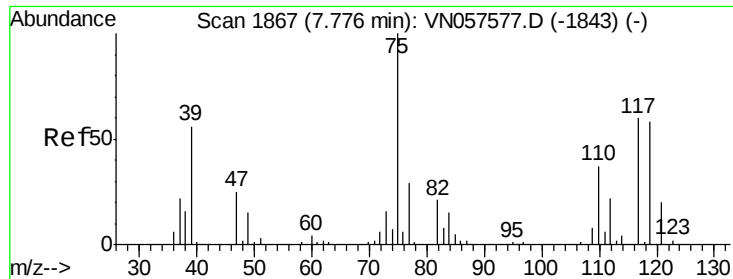


Abundance Ion 114.00 (113.70 to 114.70): VN057577.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057577.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057577.D (-2099) (-)





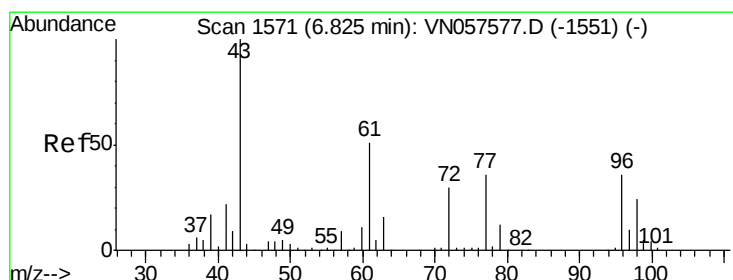
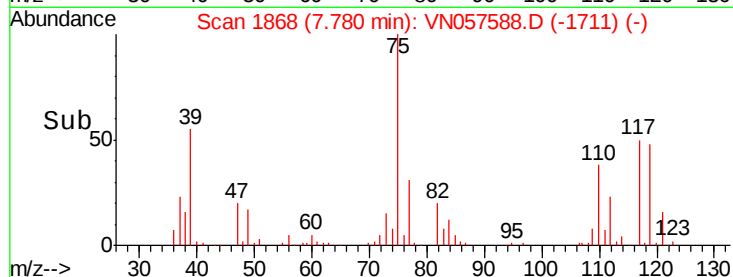
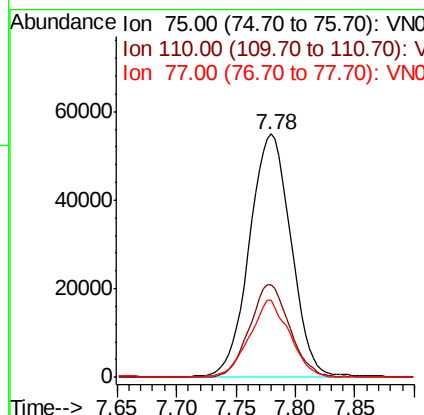
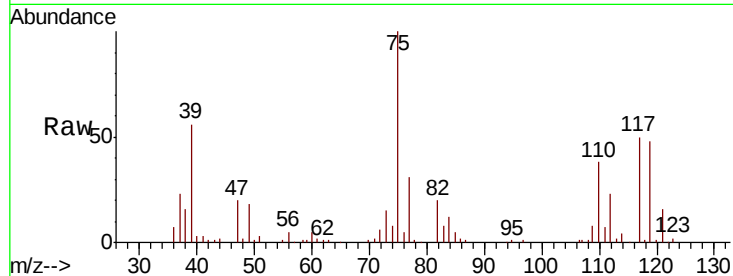
#29
 1,1-Dichloropropene
 Concen: 19.847 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	36.5	0.0	75.4
77	30.6	0.0	61.0

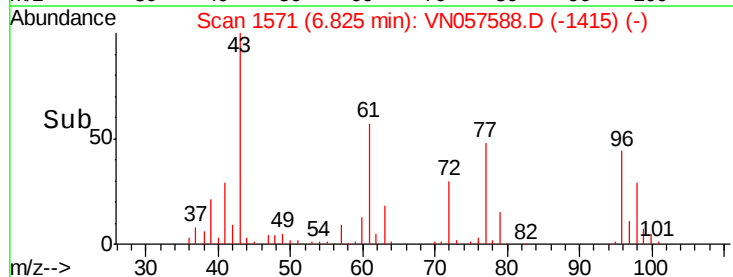
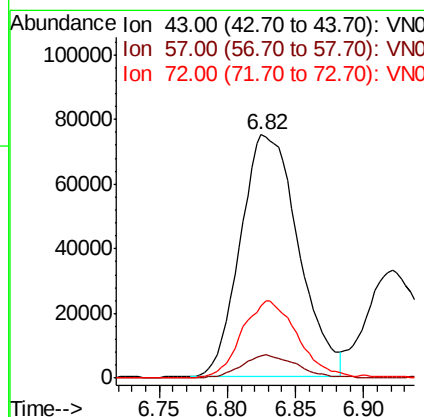
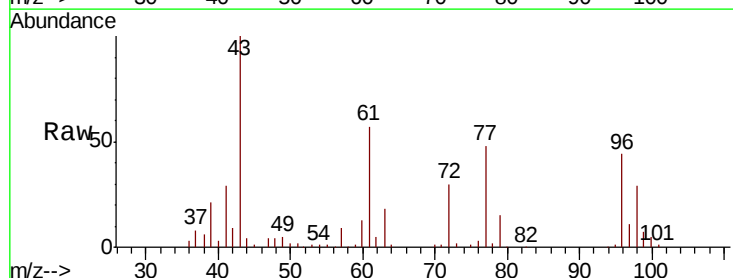
Manual Integrations
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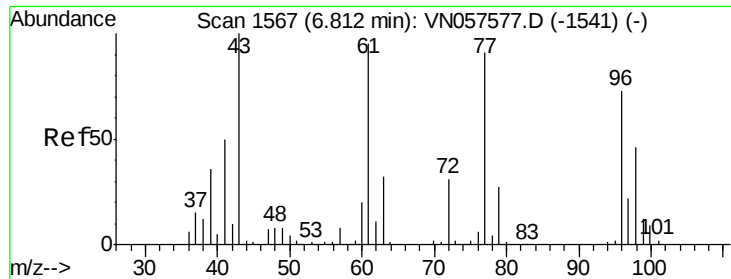
MMDadoda
 8/31/2019 10:01:13 AM



#30
 2-Butanone
 Concen: 101.643 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.0	3.5	5.3#
72	30.7	24.6	36.8





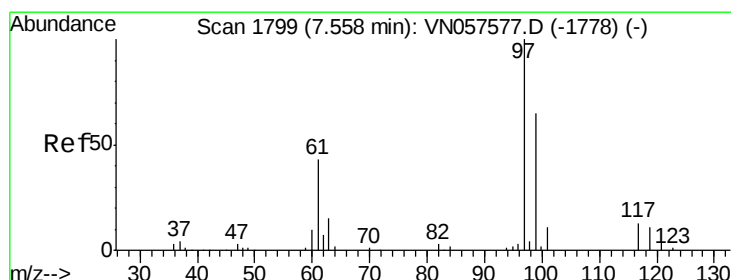
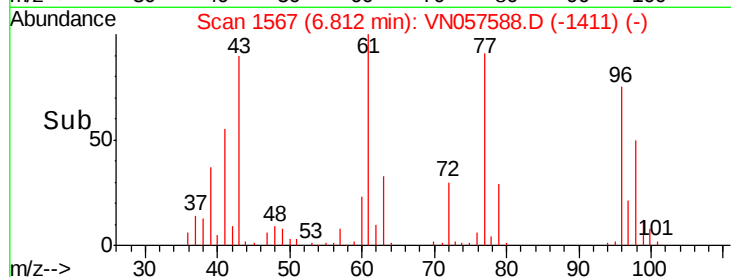
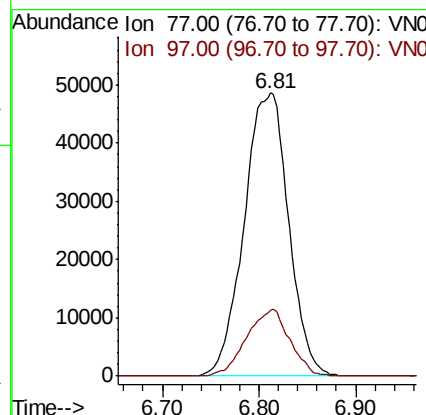
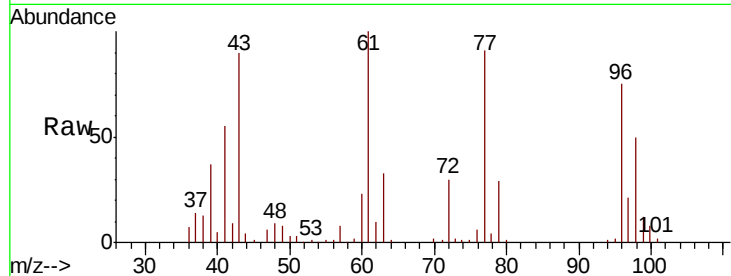
#31
 2,2-Dichloropropane
 Concen: 19.304 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 77 Resp: 155212
 Ion Ratio Lower Upper
 77 100
 97 22.9 18.9 28.3

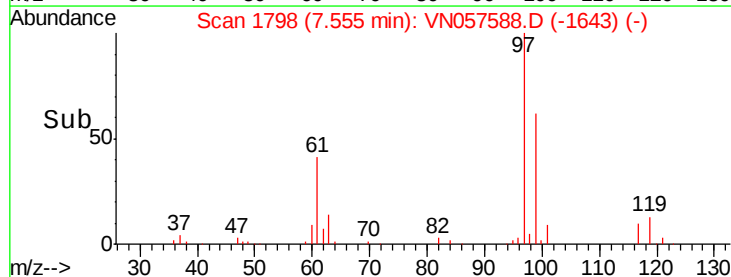
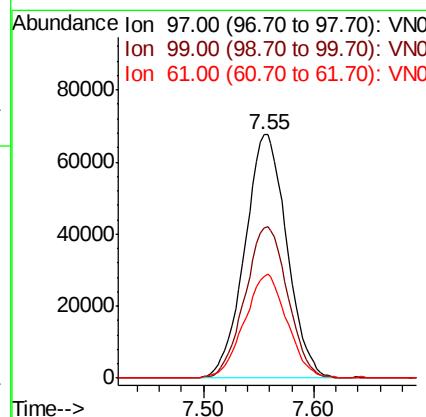
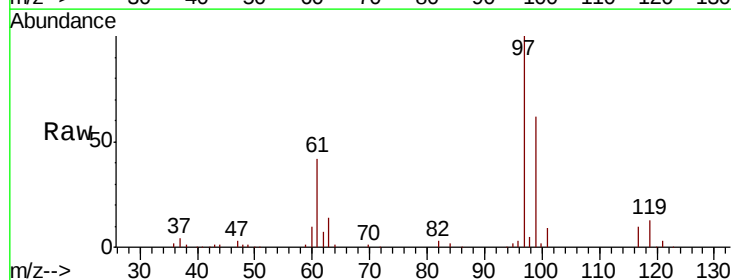
Manual Integrations
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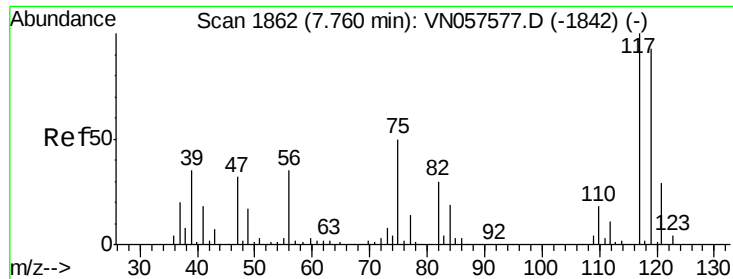
MMDadoda
 8/31/2019 10:01:13 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.788 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 97 Resp: 178316
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.1 76.7
 61 43.3 34.4 51.6





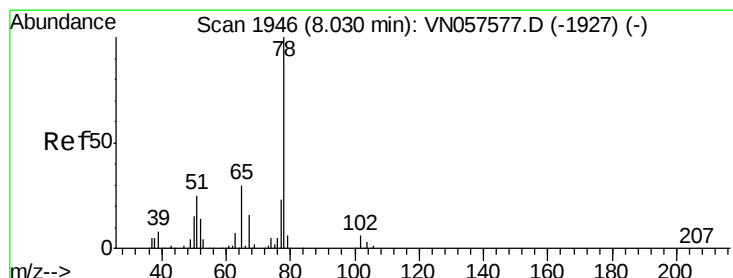
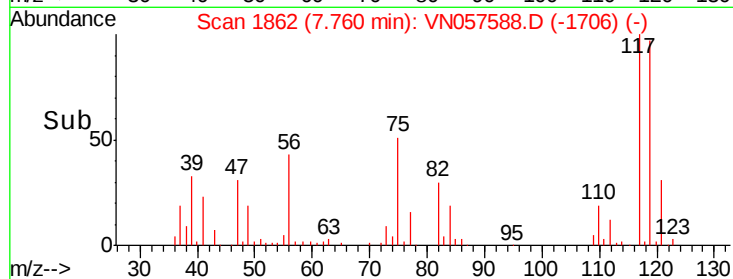
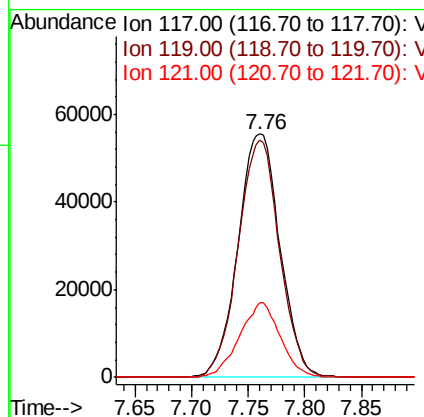
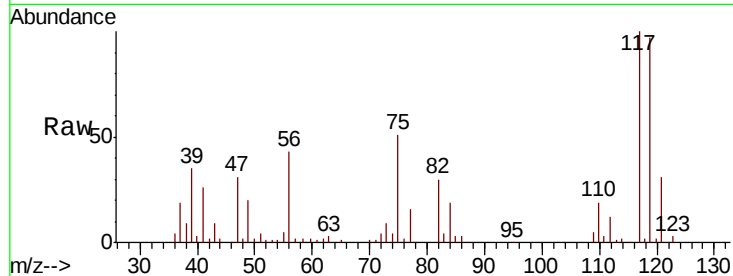
#33
Carbon Tetrachloride
Concen: 18.778 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.6	111.8
121	30.7	23.5	35.3

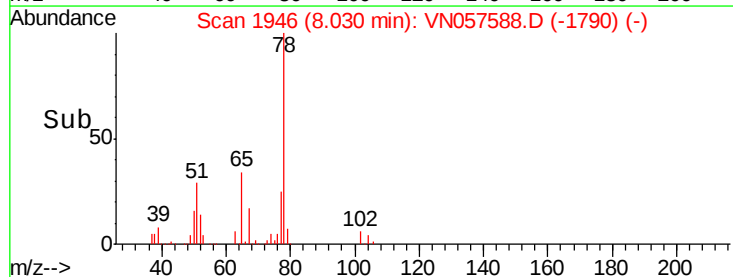
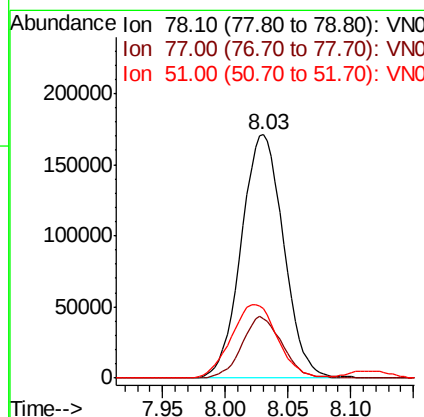
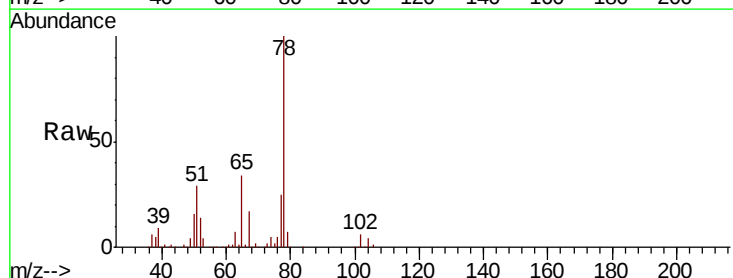
Manual Integrations
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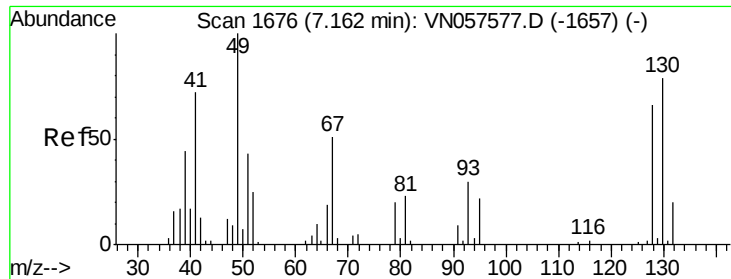
MMDadoda
8/31/2019 10:01:13 AM



#34
Benzene
Concen: 19.938 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.2	27.4
51	28.5	20.2	30.4





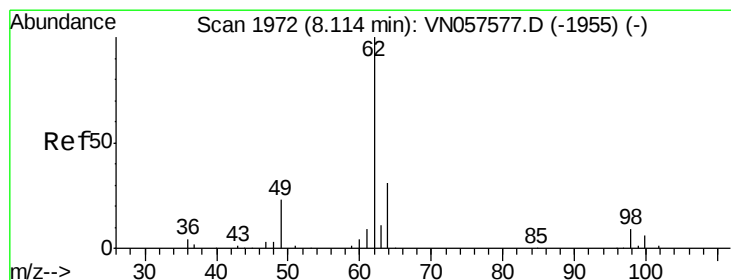
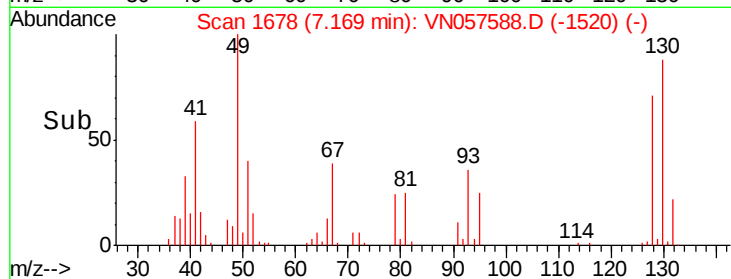
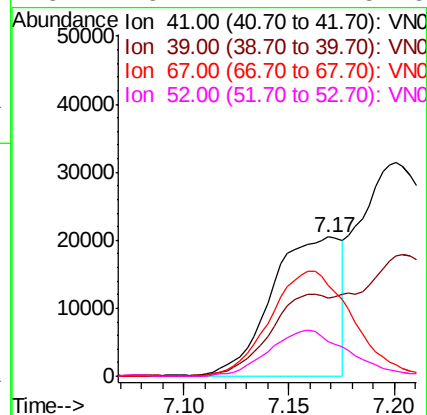
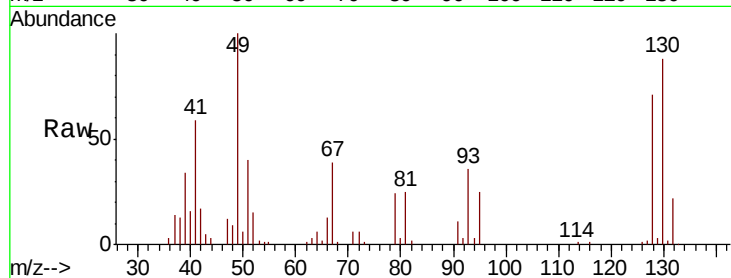
#35
Methacrylonitrile
Concen: 21.797 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	47030
Ion	Ratio	Lower	Upper
41	100		
39	55.7	30.4	91.2
67	65.9	35.6	106.8
52	25.1	17.2	51.5

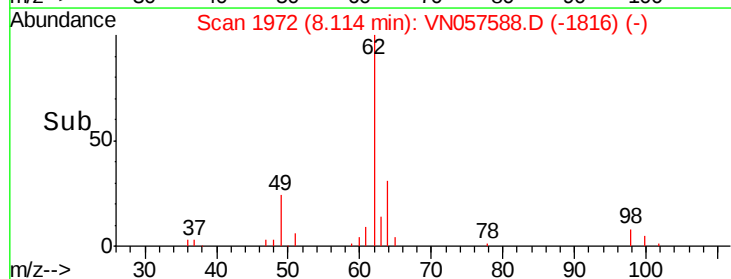
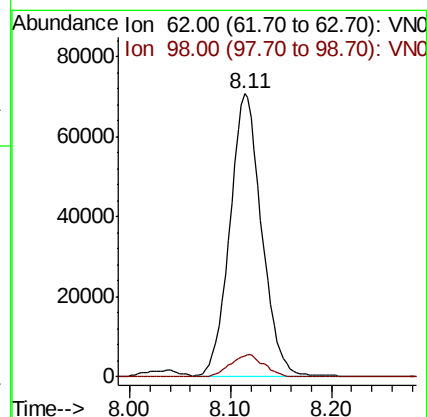
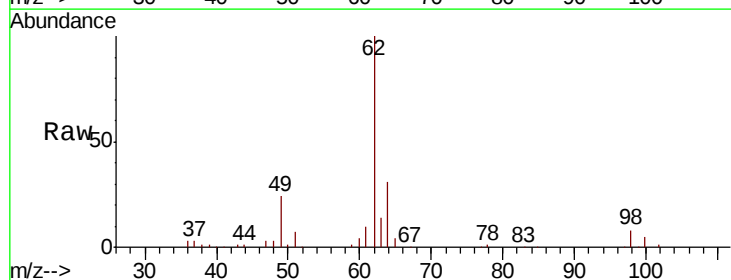
Manual Integrations
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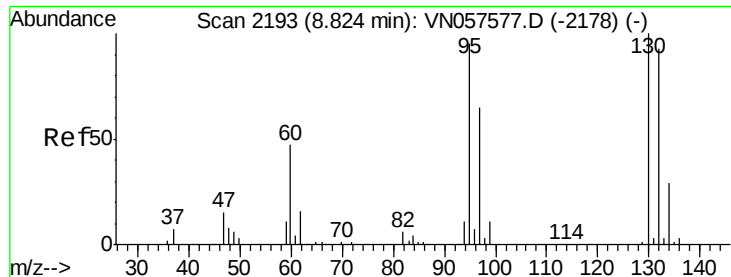
MMDadoda
8/31/2019 10:01:13 AM



#36
1,2-Dichloroethane
Concen: 20.917 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion:	62	Resp:	155511
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.8	10.2





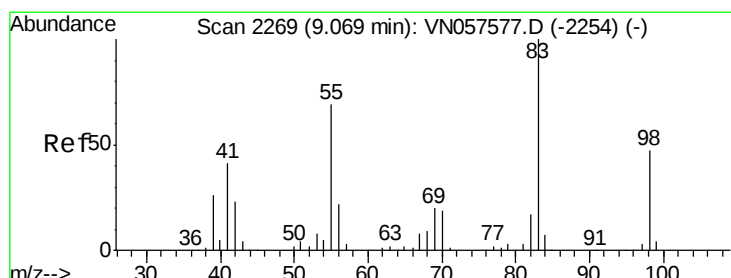
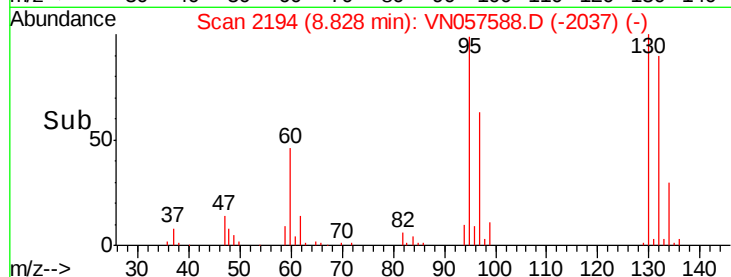
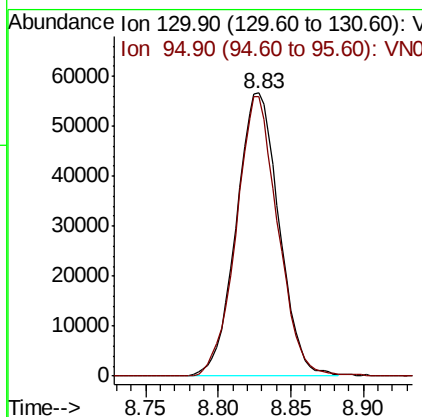
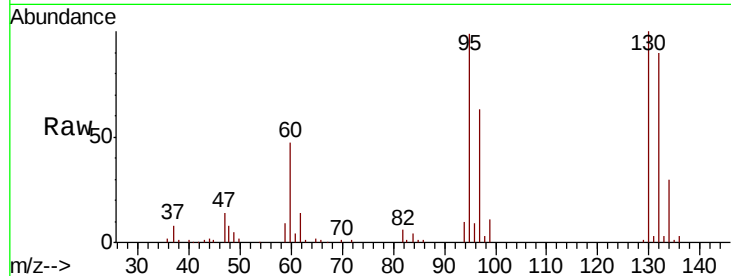
#37
 Trichloroethene
 Concen: 19.880 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:130 Resp: 116024
 Ion Ratio Lower Upper
 130 100
 95 98.7 76.2 114.2

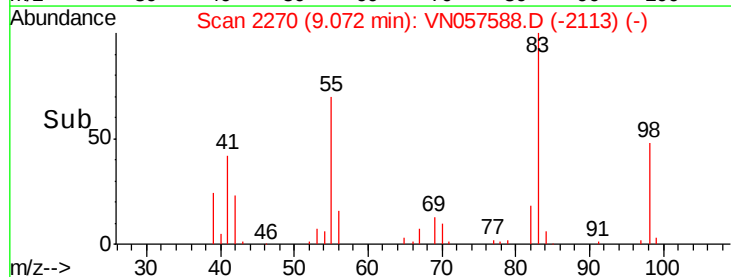
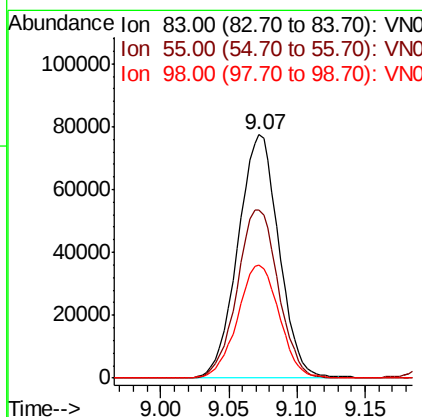
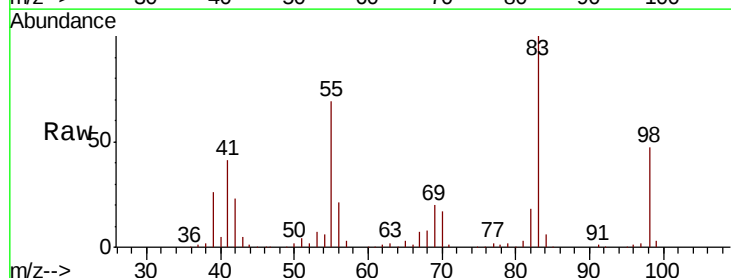
Manual Integrations
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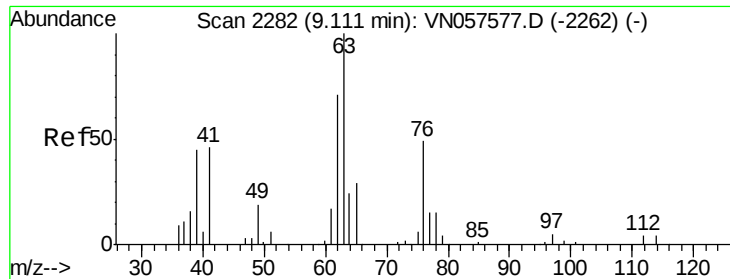
MMDadoda
 8/31/2019 10:01:13 AM



#38
 Methylcyclohexane
 Concen: 19.726 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 83 Resp: 161487
 Ion Ratio Lower Upper
 83 100
 55 69.4 34.5 103.6
 98 47.5 23.4 70.3





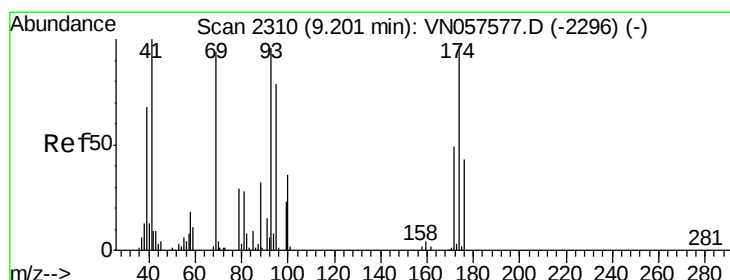
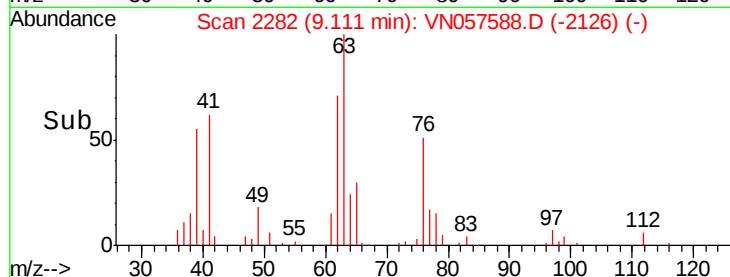
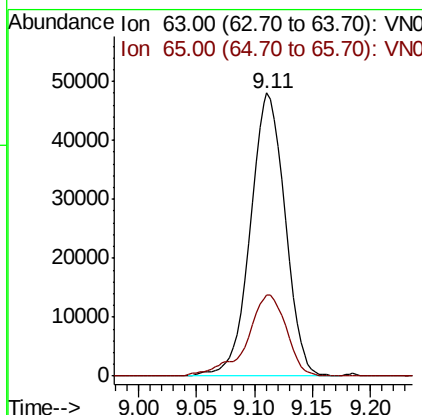
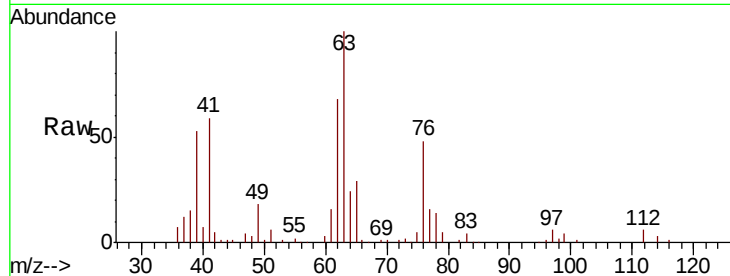
#39
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 100453
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.2 36.2

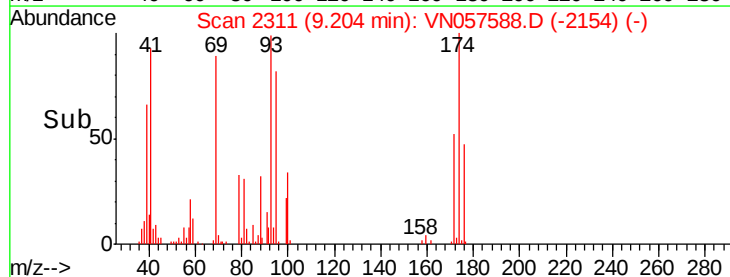
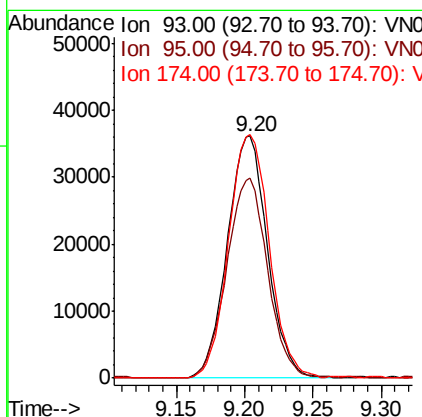
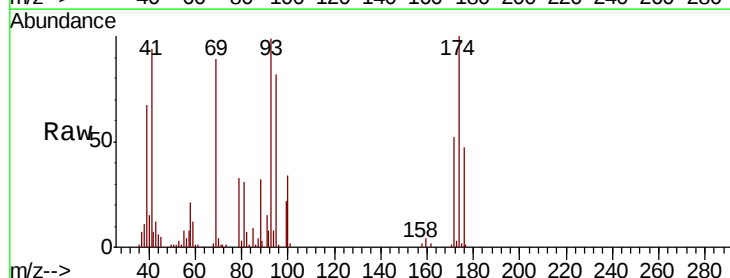
Manual Integrations
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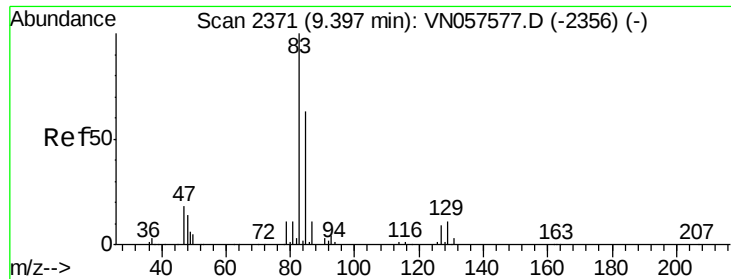
MMDadoda
 8/31/2019 10:01:13 AM



#40
 Dibromomethane
 Concen: 19.447 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion: 93 Resp: 73825
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 162.8
 174 102.2 0.0 199.2





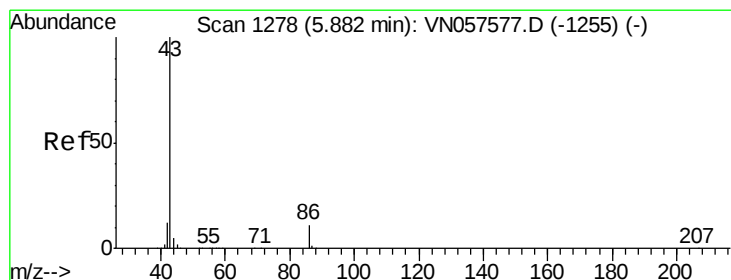
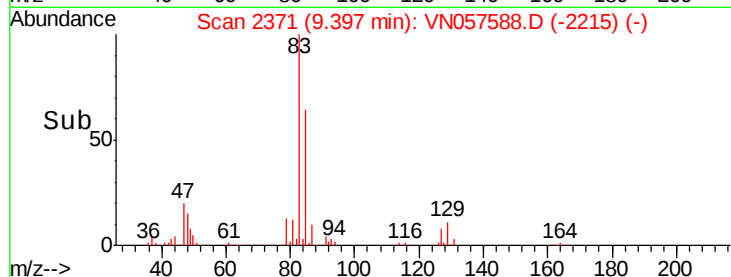
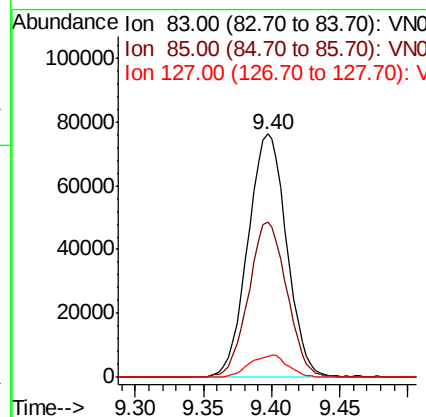
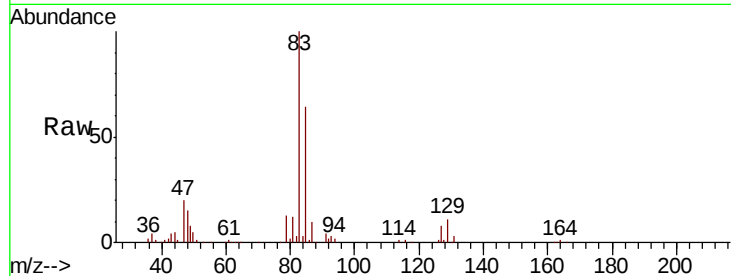
#41
 Bromodichloromethane
 Concen: 19.355 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	8.4	7.4	11.2

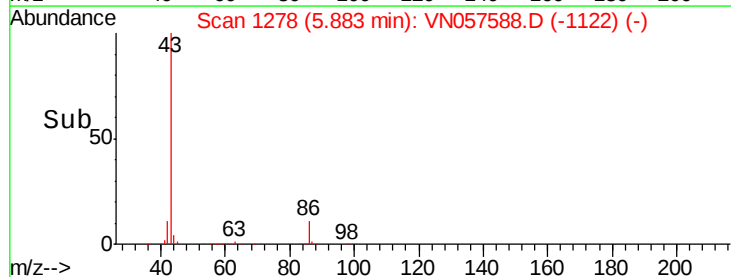
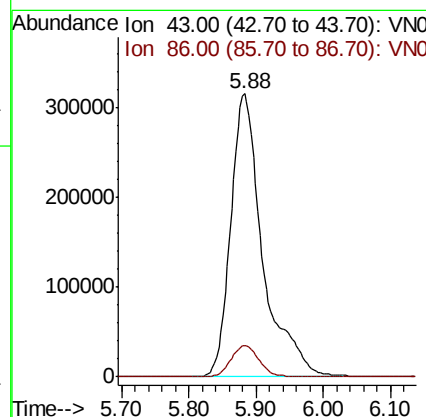
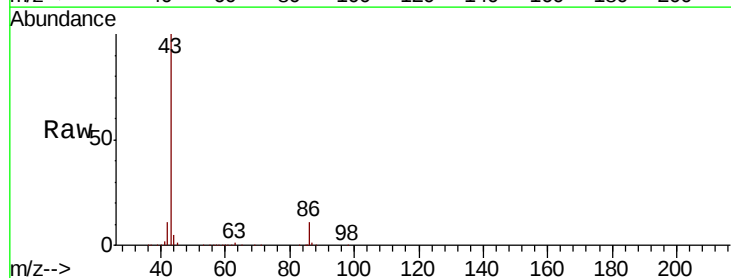
Manual Integrations
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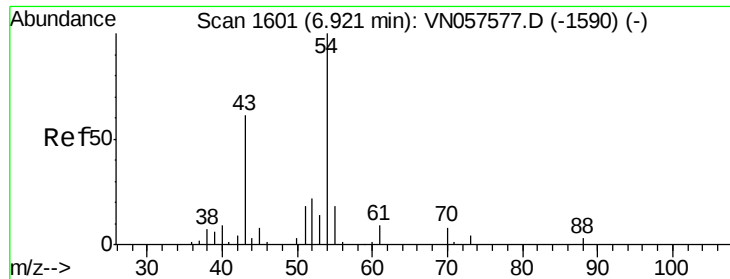
MMDadoda
 8/31/2019 10:01:13 AM



#42
 Vinyl Acetate
 Concen: 107.957 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1





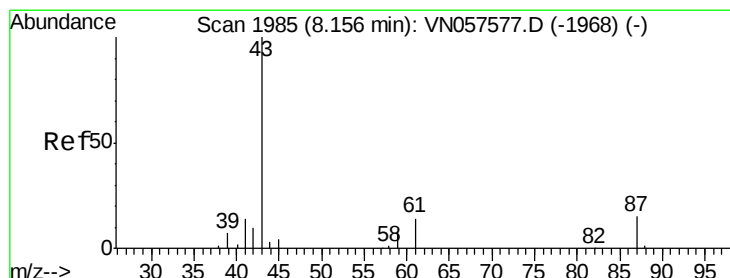
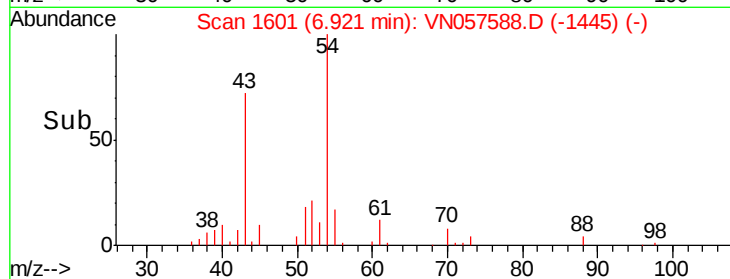
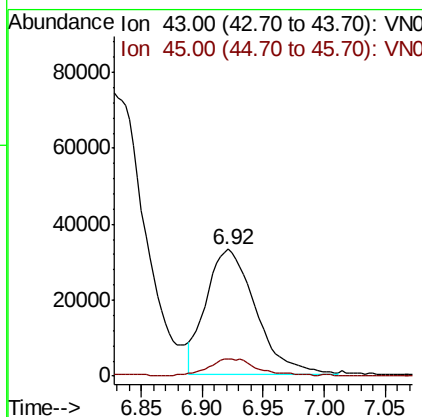
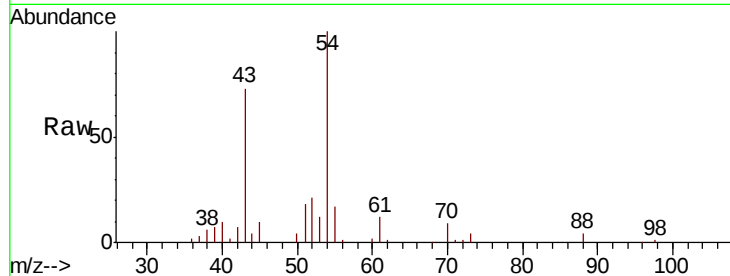
#43
Ethyl Acetate
Concen: 22.158 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 93160
Ion Ratio Lower Upper
43 100
45 8.1 9.9 14.9#

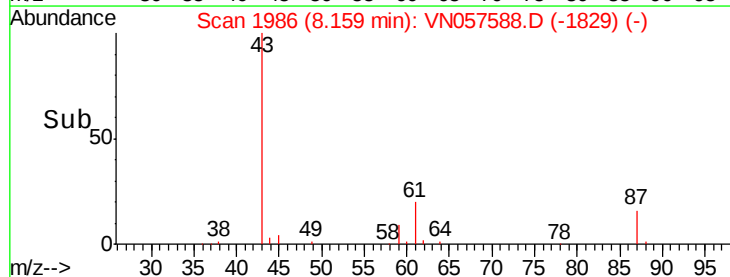
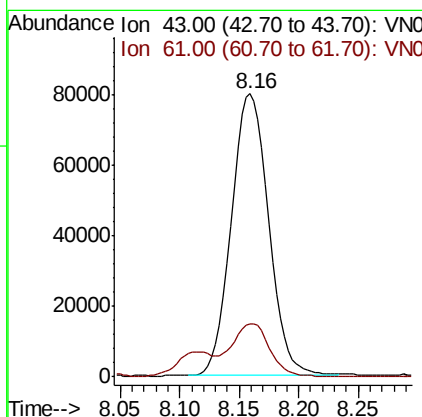
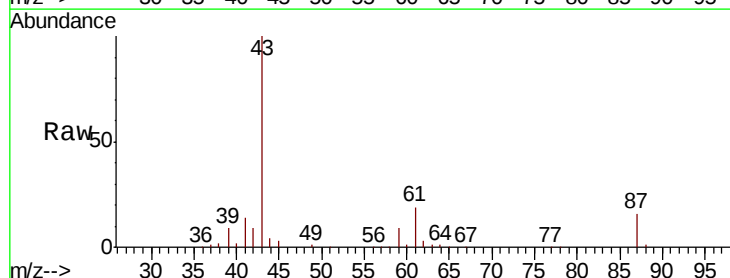
Manual Integrations
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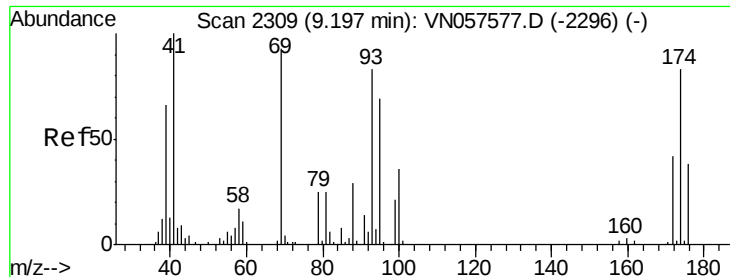
MMDadoda
8/31/2019 10:01:13 AM



#44
Isopropyl Acetate
Concen: 20.636 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 43 Resp: 173556
Ion Ratio Lower Upper
43 100
61 19.2 16.0 24.0





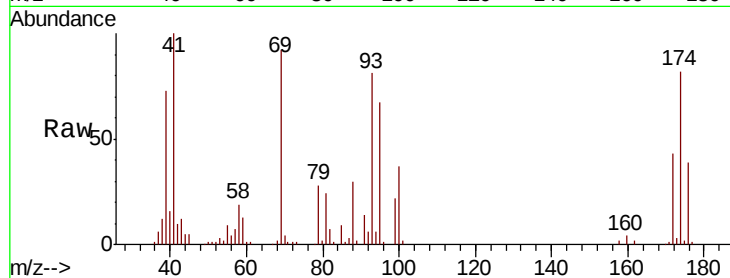
#45
 1,4-Dioxane
 Concen: 413.246 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

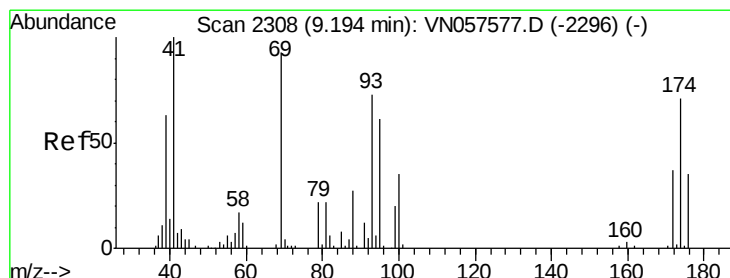
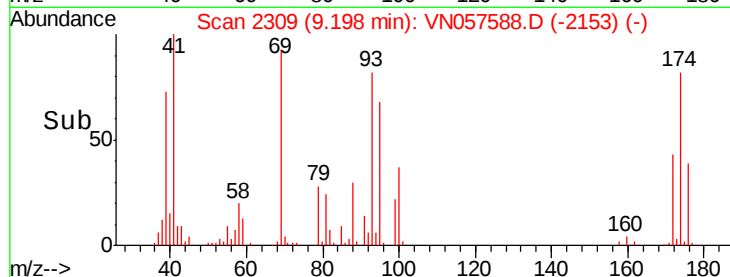
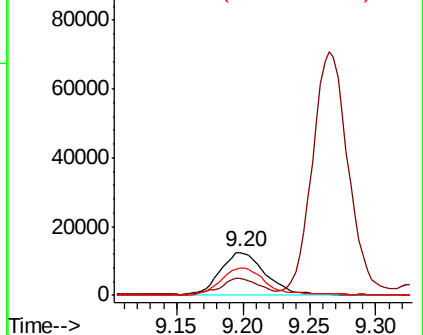
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.9	18.2	27.4#
58	59.6	45.0	67.6

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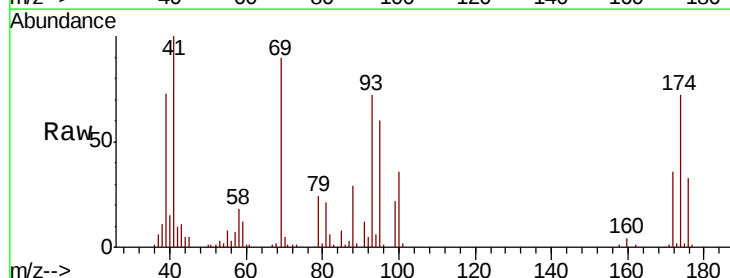


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

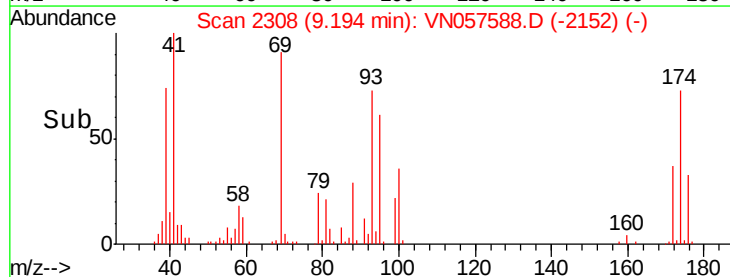
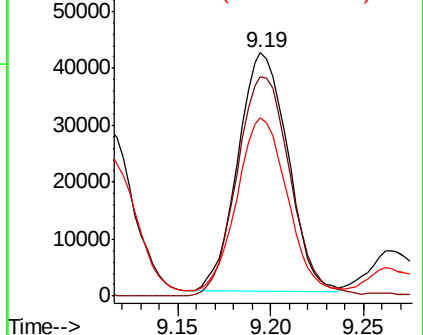


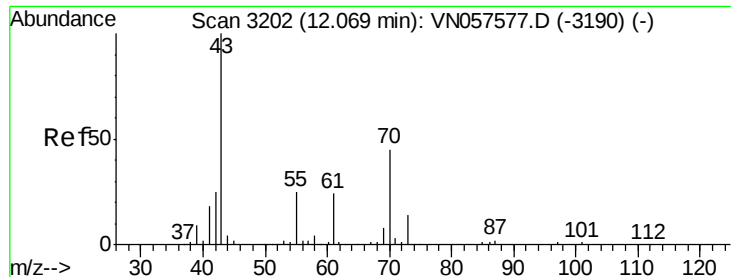
#46
 Methyl methacrylate
 Concen: 20.092 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.0	46.4	139.1
39	72.6	31.6	94.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





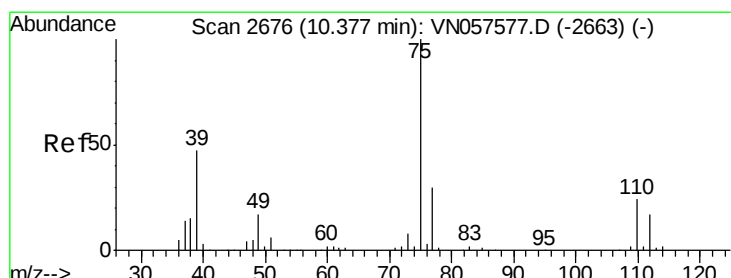
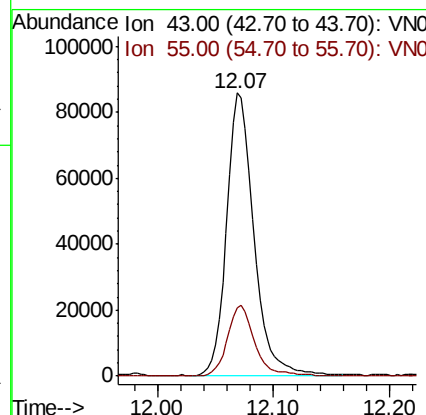
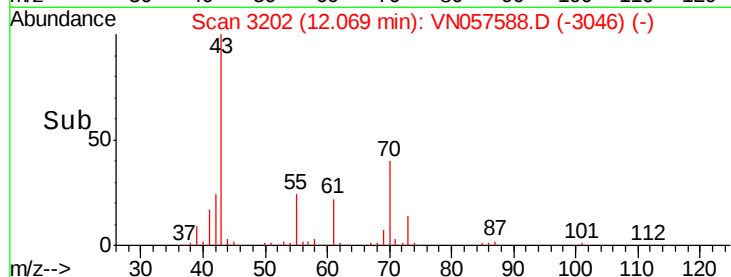
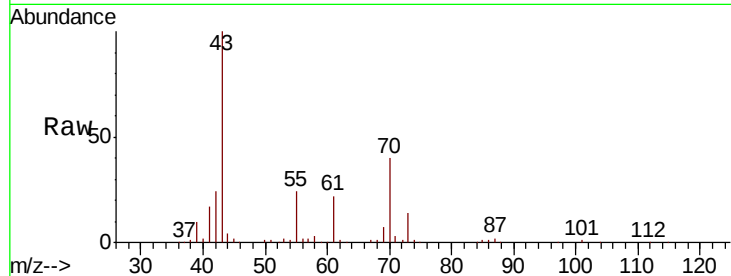
#47
n-amy1 Acetate
Concen: 20.017 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 139367
Ion Ratio Lower Upper
43 100
55 24.8 20.2 30.2

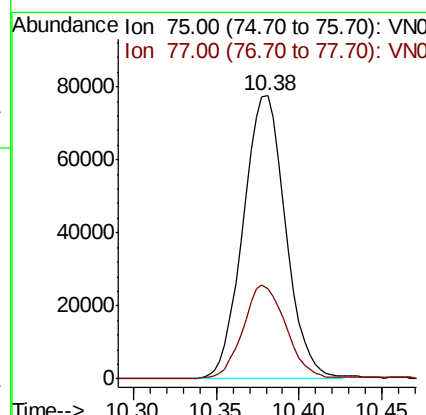
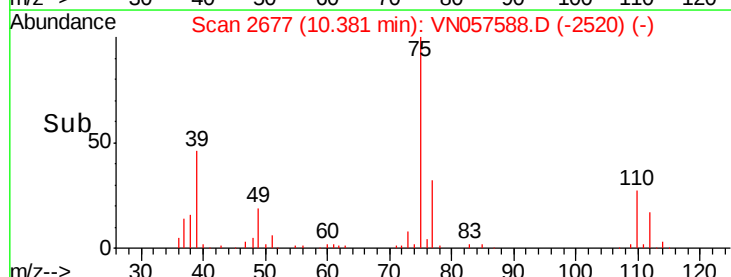
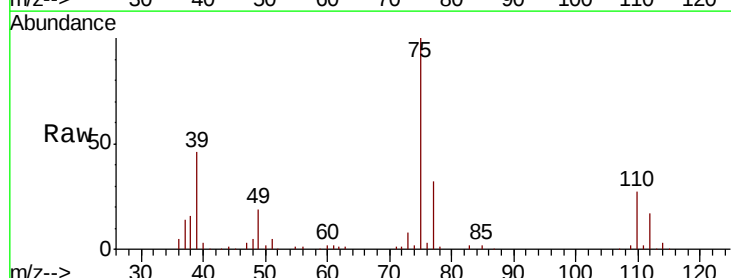
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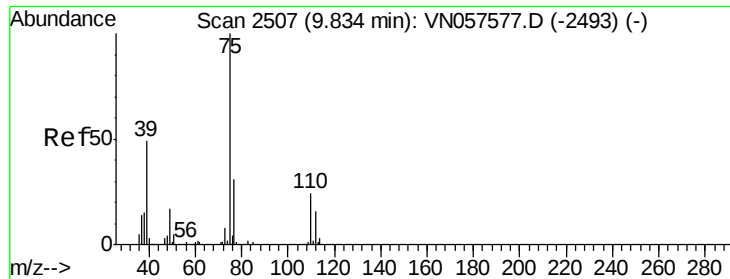
MMDadoda
8/31/2019 10:01:13 AM



#48
t-1,3-Dichloropropene
Concen: 17.988 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 75 Resp: 138863
Ion Ratio Lower Upper
75 100
77 31.6 23.8 35.6





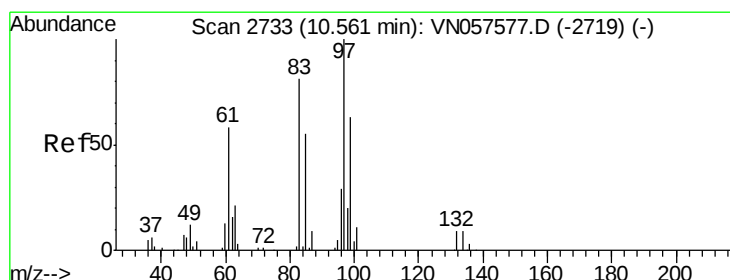
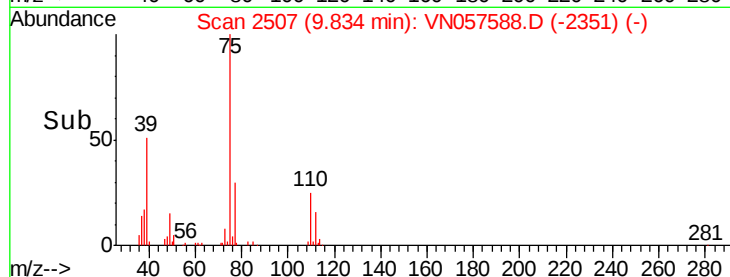
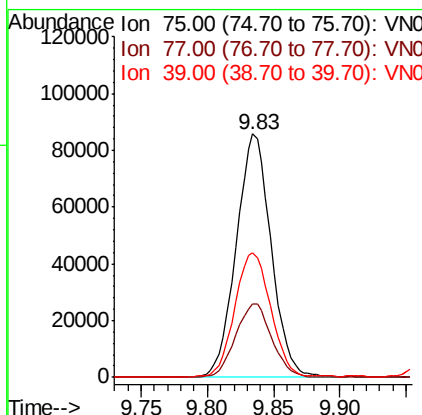
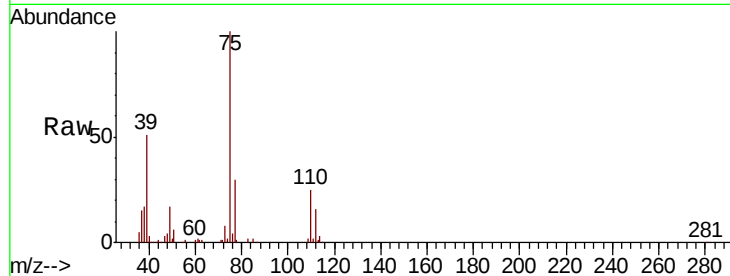
#49
 cis-1,3-Dichloropropene
 Concen: 18.757 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	75	Resp:	156823
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.0	37.4
39	50.7	39.0	58.4

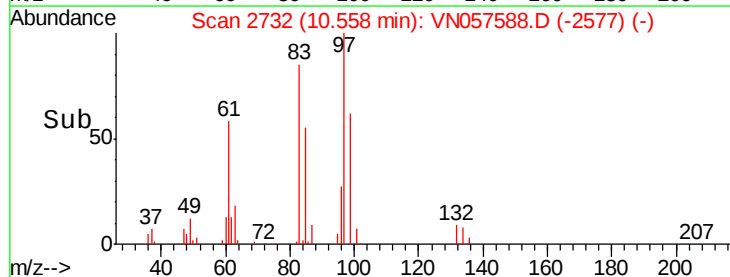
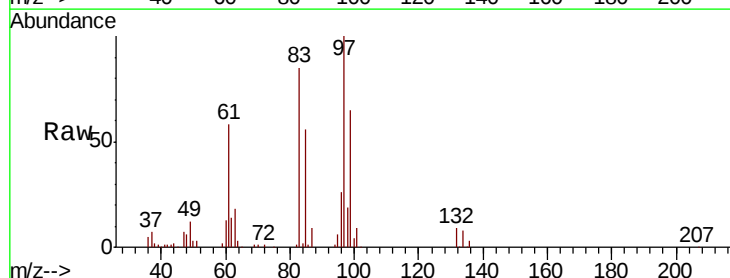
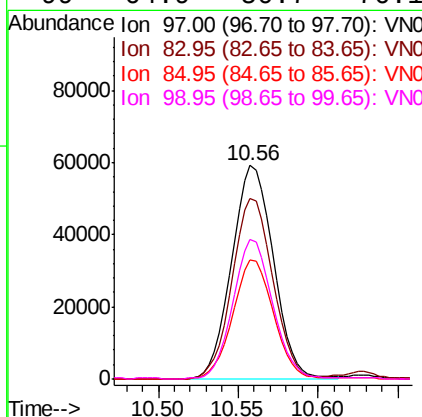
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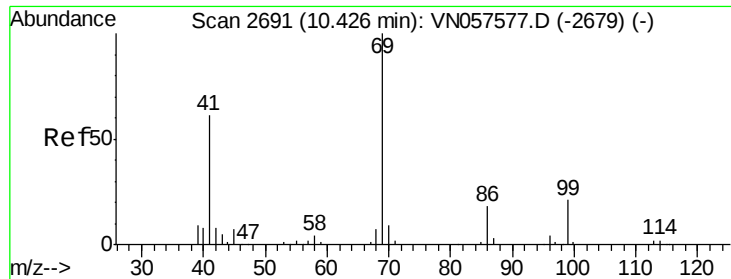
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 8/31/2019 10:01:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.422 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion:	97	Resp:	105232
Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.1	97.7
85	55.6	43.7	65.5
99	64.9	50.7	76.1





#51

Ethyl methacrylate

Concen: 19.035 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 69 Resp: 134233
Ion Ratio Lower Upper

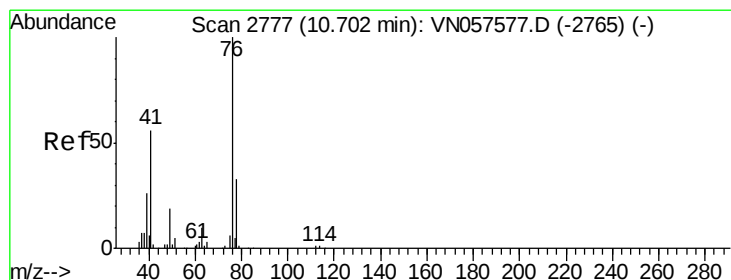
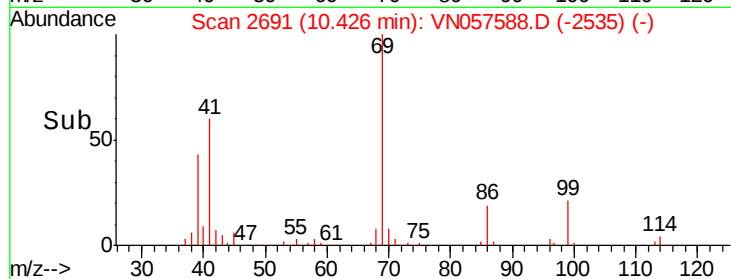
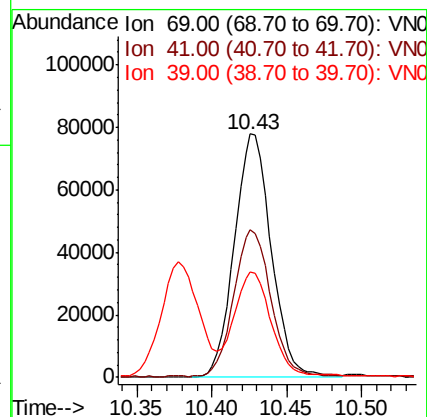
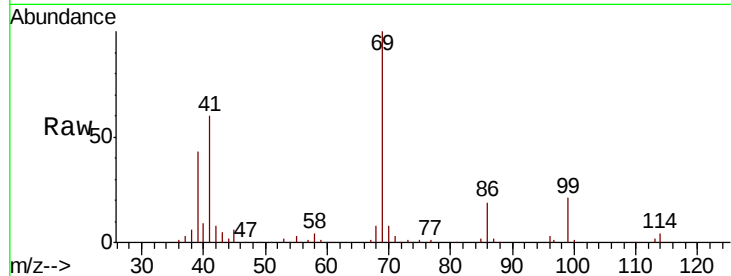
69 100

41 59.9 30.6 92.0

39 42.1 22.3 66.9

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#52

1,3-Dichloropropane

Concen: 19.908 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

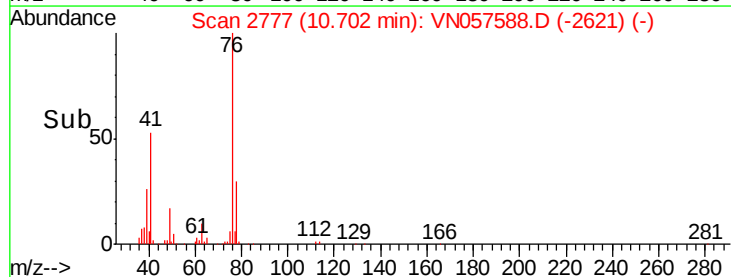
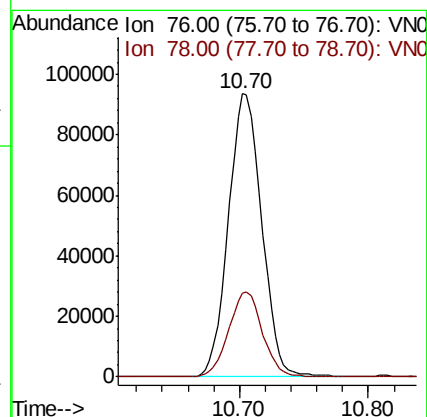
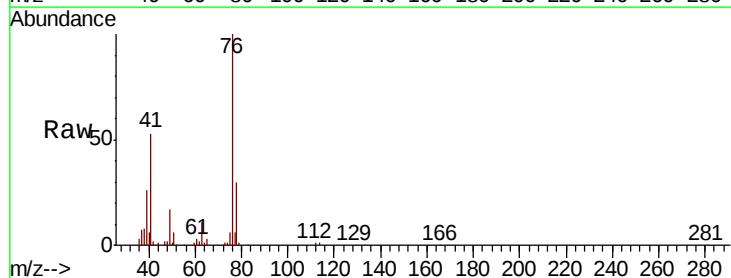
Lab File: VN057588.D

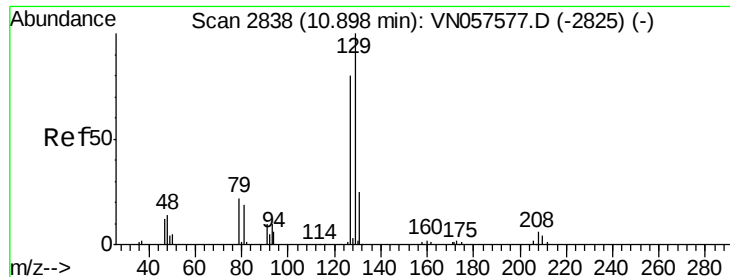
Acq: 30 Aug 2019 14:43

Tgt Ion: 76 Resp: 168069
Ion Ratio Lower Upper

76 100

78 30.4 0.0 67.0





#53

Dibromochloromethane

Concen: 17.994 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:129 Resp: 109767

Ion Ratio Lower Upper

129 100

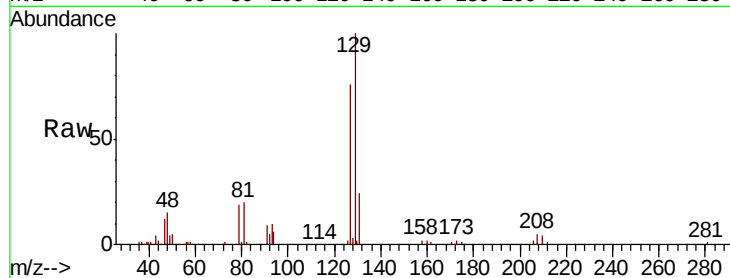
127 76.6 38.9 116.7

Manual Integrations

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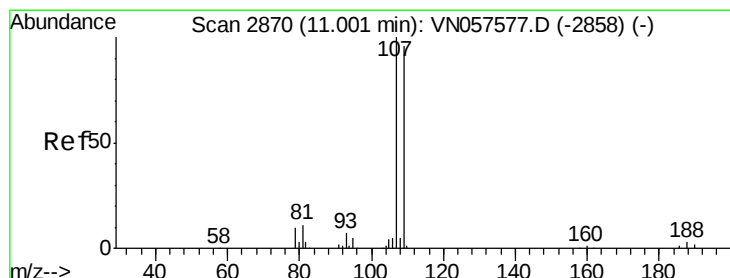
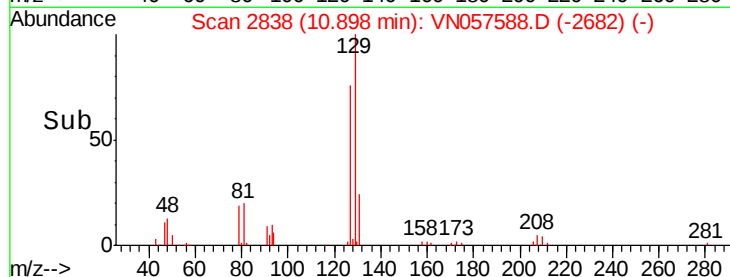
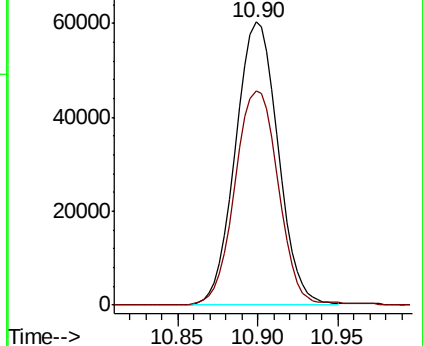
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.686 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057588.D

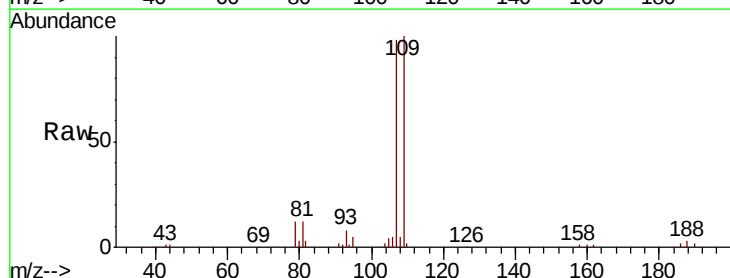
Acq: 30 Aug 2019 14:43

Tgt Ion:107 Resp: 104935

Ion Ratio Lower Upper

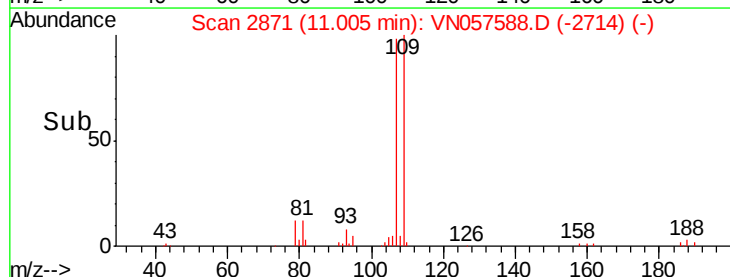
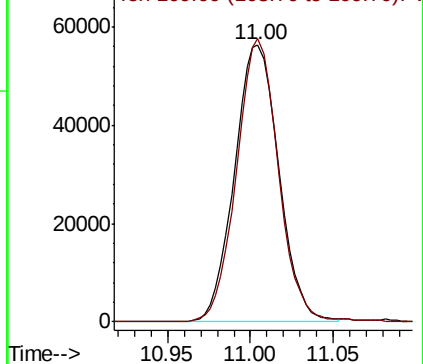
107 100

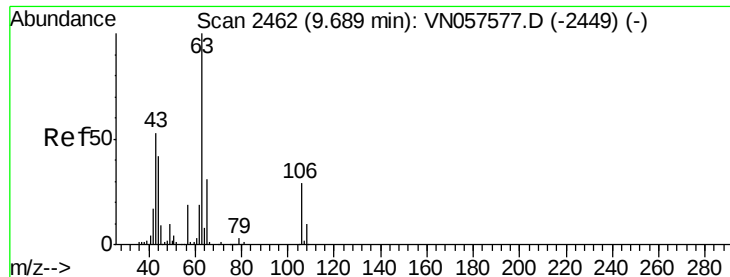
109 96.1 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





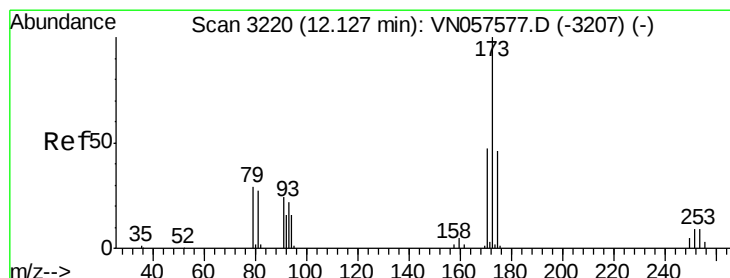
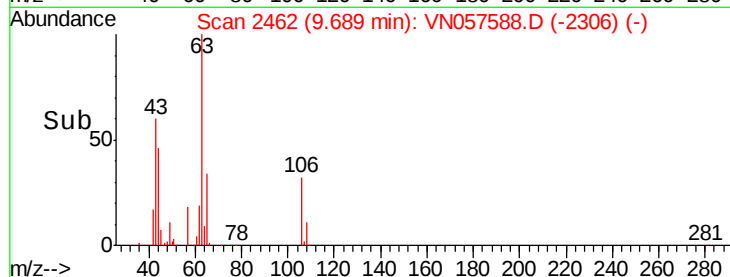
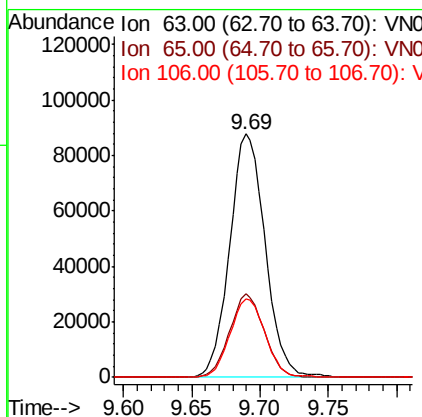
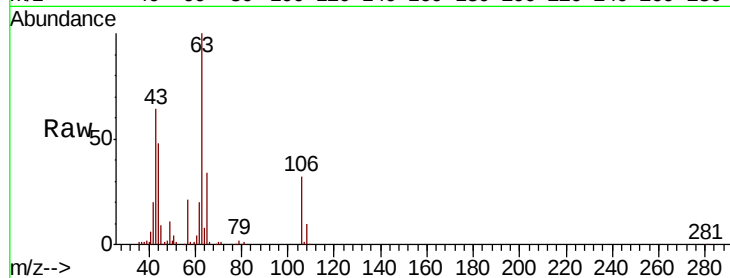
#55
 2-Chloroethyl vinyl ether
 Concen: 91.672 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	63	Resp:	158673
Ion	Ratio	Lower	Upper
63	100		
65	33.2	25.0	37.4
106	31.7	23.7	35.5

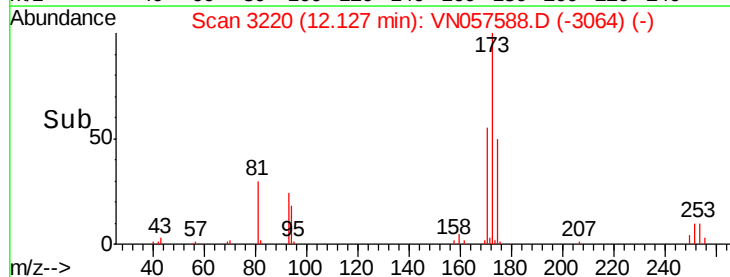
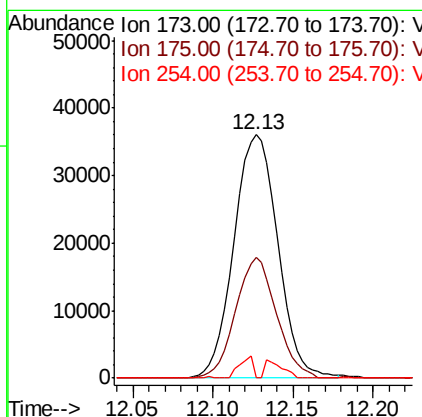
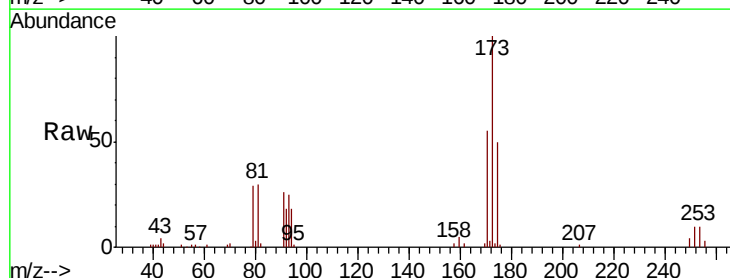
Manual Integrations
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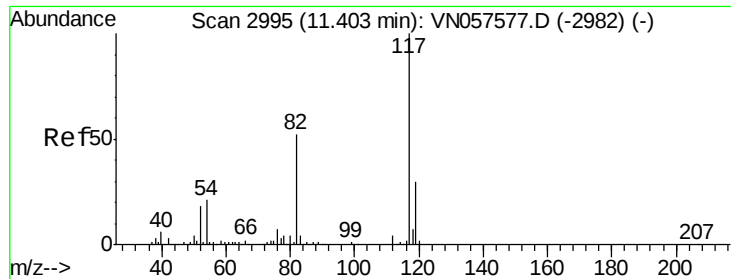
MMDadoda
 8/31/2019 10:01:13 AM



#56
 Bromoform
 Concen: 16.987 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion:	173	Resp:	67762
Ion	Ratio	Lower	Upper
173	100		
175	45.8	37.3	55.9
254	2.6	2.2	3.2





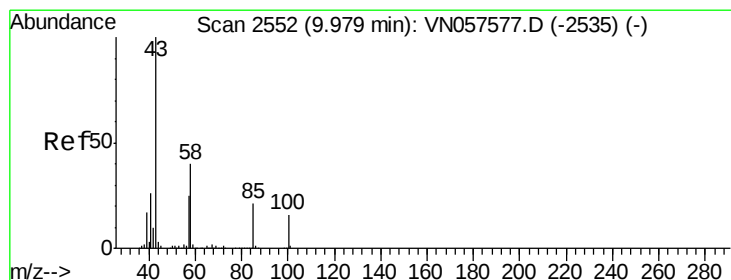
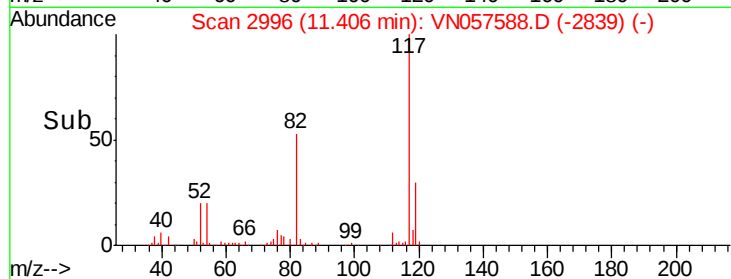
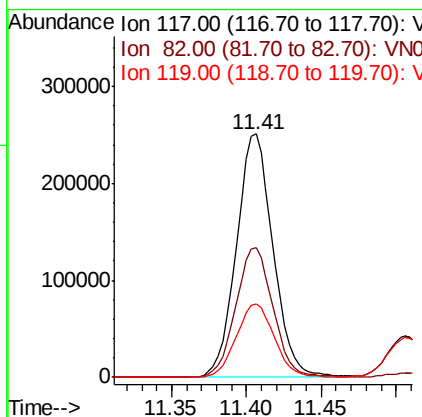
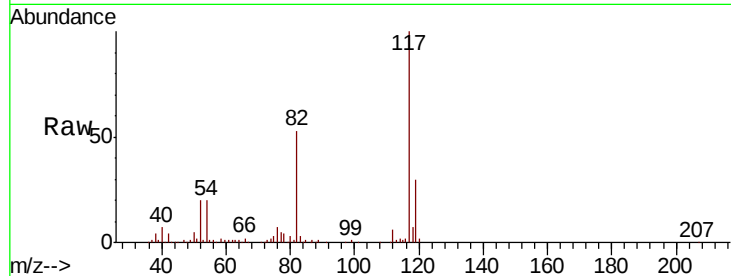
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	428118		
82	54.2	42.6	63.8	
119	31.5	25.0	37.6	

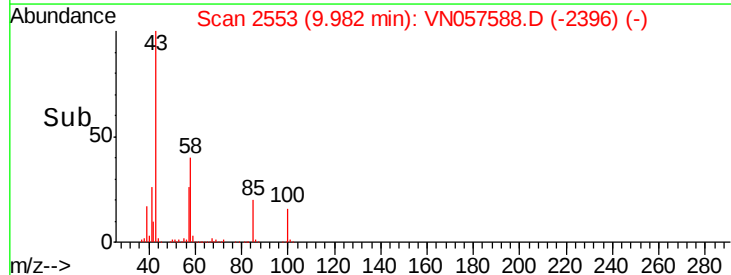
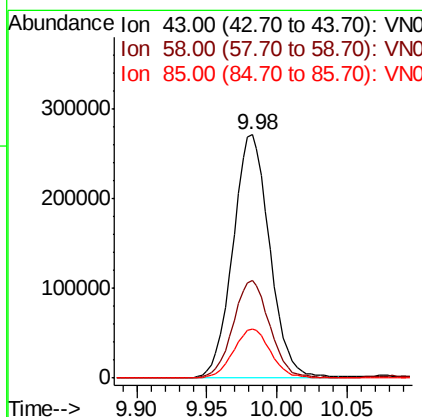
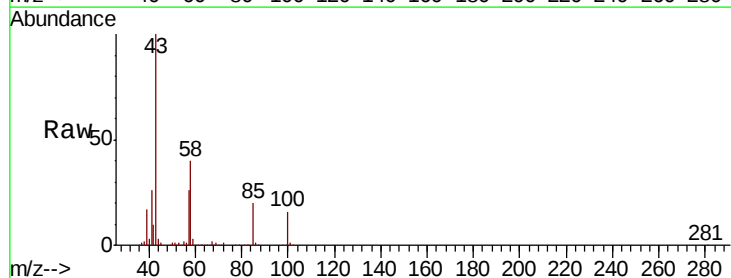
Manual Integrations
APPROVED

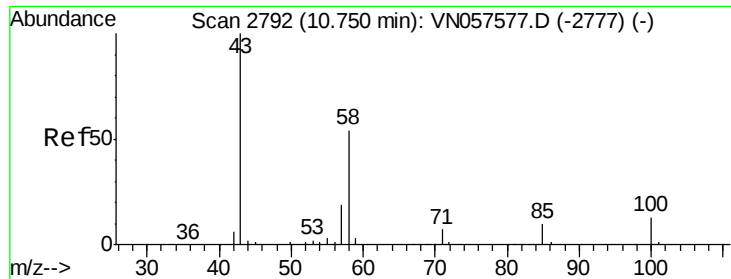
MMDadoda
8/31/2019 10:01:13 AM



#58
4-Methyl-2-Pentanone
Concen: 113.844 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	492507		
58	40.2	32.1	48.1	
85	20.5	16.6	24.8	





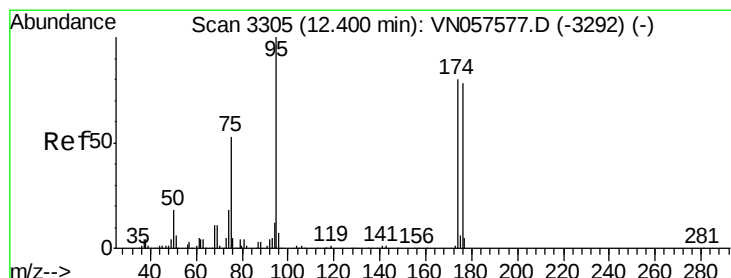
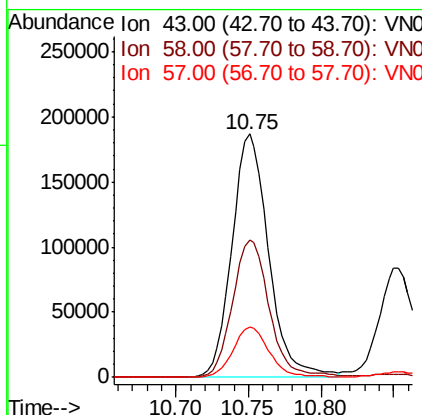
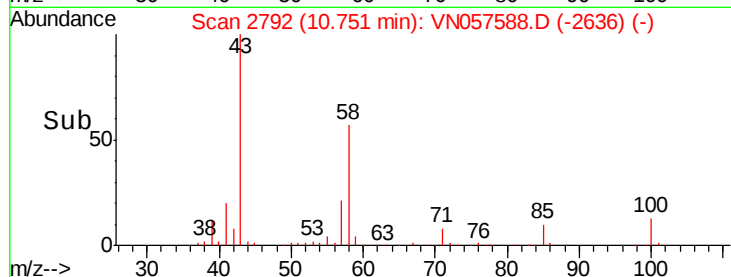
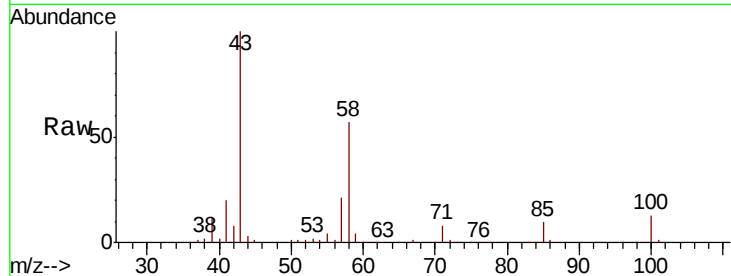
#59
2-Hexanone
Concen: 106.664 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.1	42.9	64.3
57	20.9	15.4	23.2

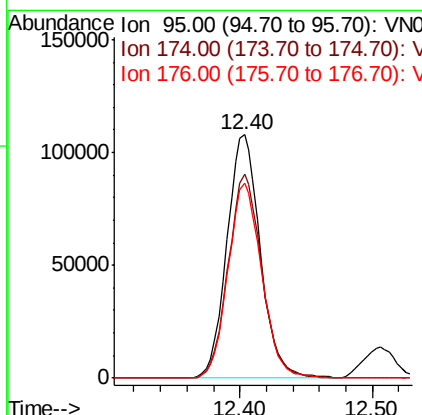
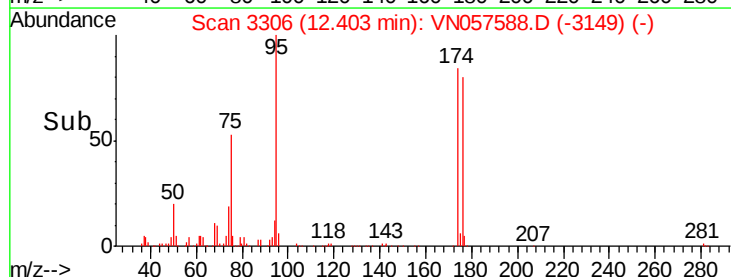
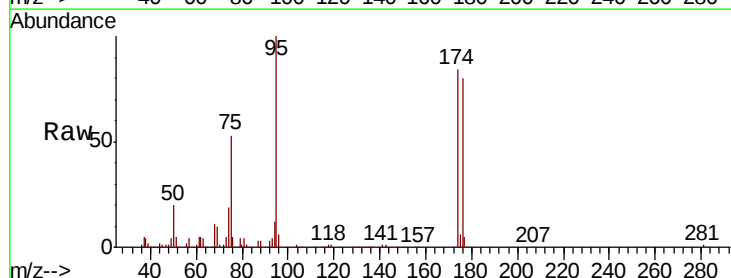
Manual Integrations
APPROVED

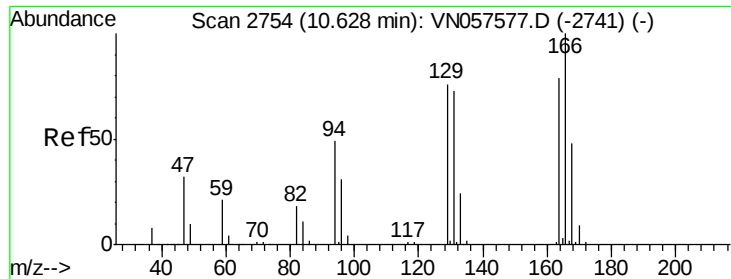
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.986 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.3	66.2	99.2
176	80.8	65.0	97.6





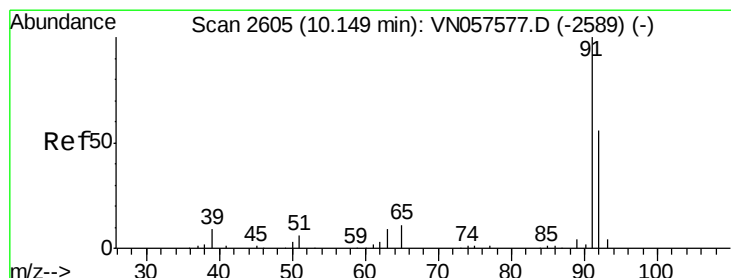
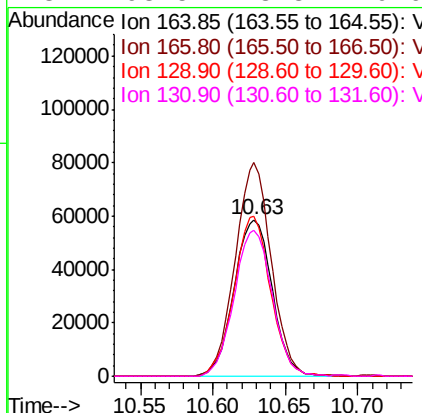
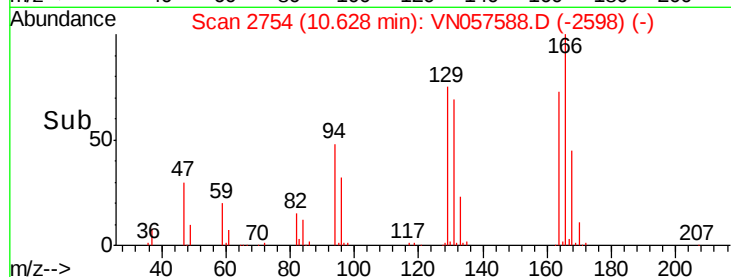
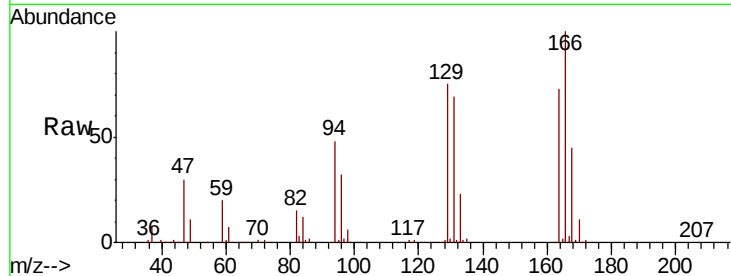
#61
 Tetrachloroethene
 Concen: 19.576 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.4	100.7	151.1
129	102.2	76.3	114.5
131	93.5	73.8	110.6

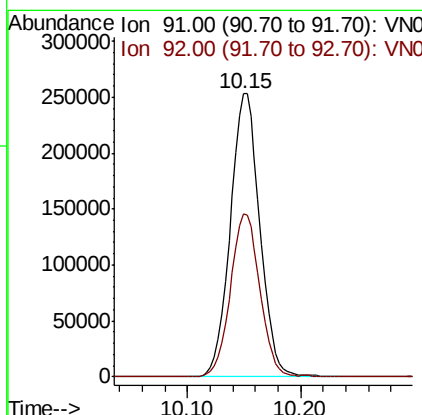
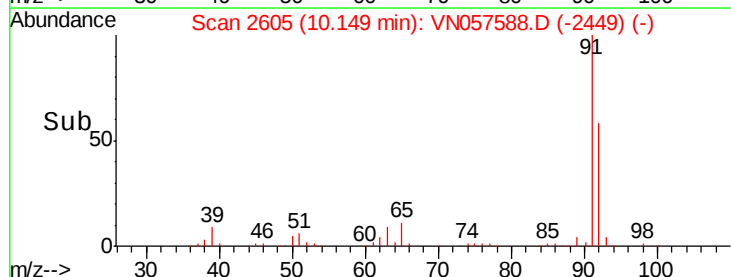
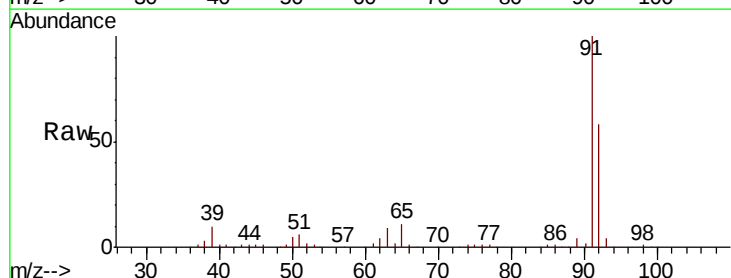
Manual Integrations
 APPROVED

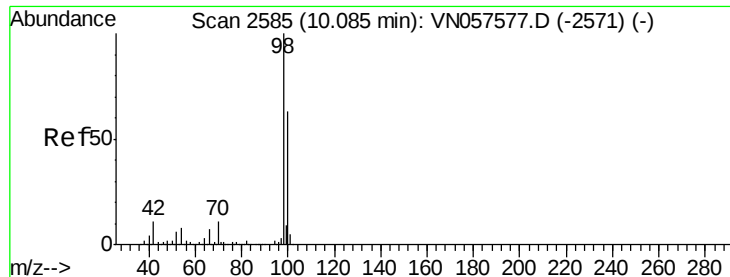
MMDadoda
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#62
 Toluene
 Concen: 21.150 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





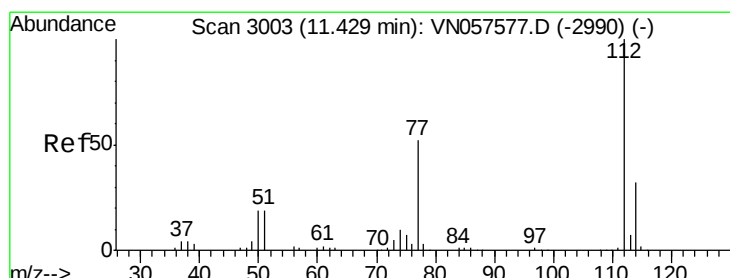
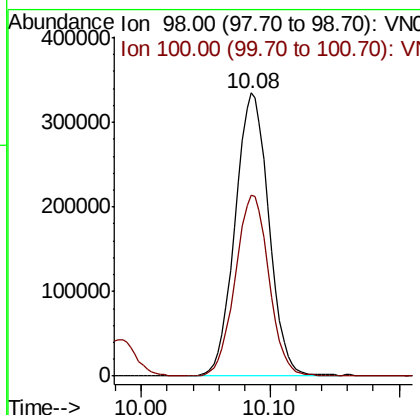
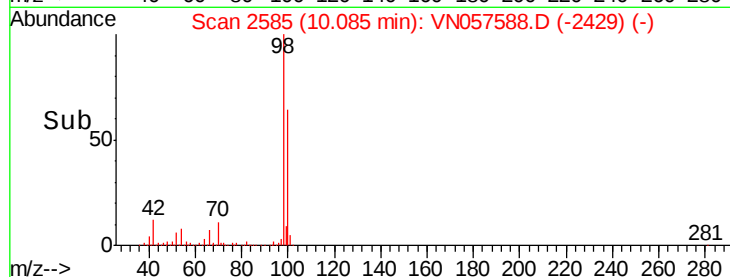
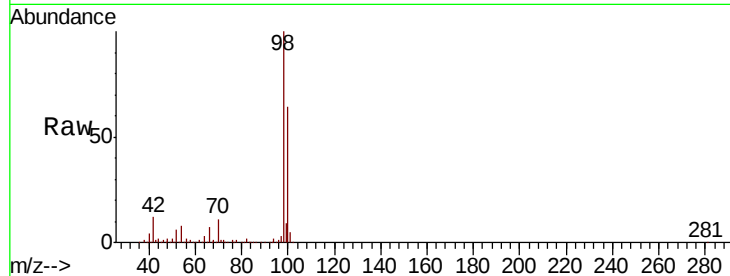
#63
Toluene-d8
Concen: 30.704 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 608743
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

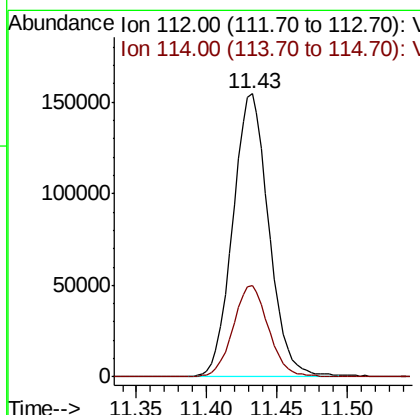
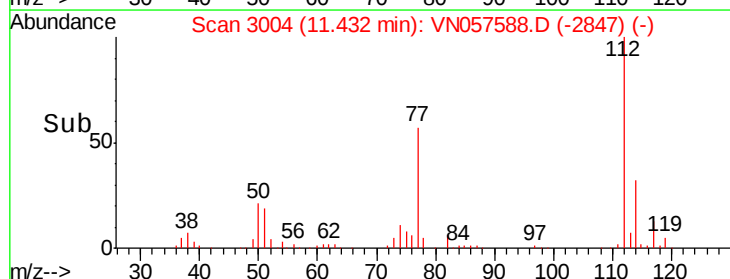
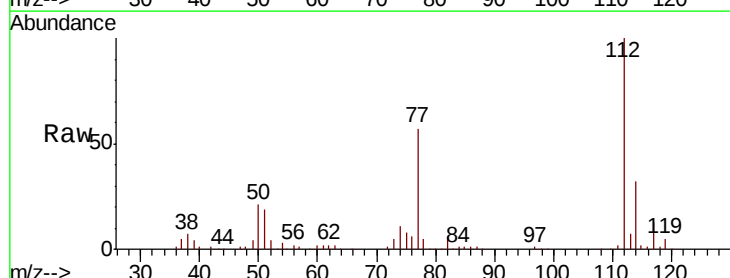
Manual Integrations
APPROVED

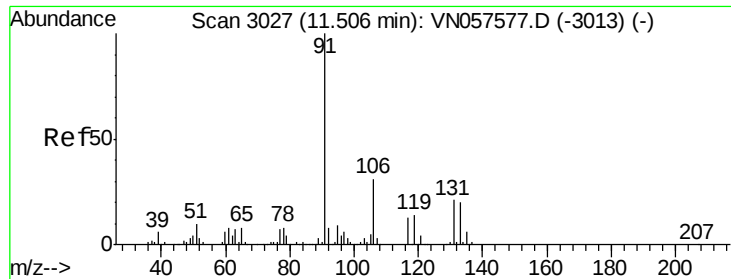
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#64
Chlorobenzene
Concen: 19.792 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion: 112 Resp: 276675
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.415 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

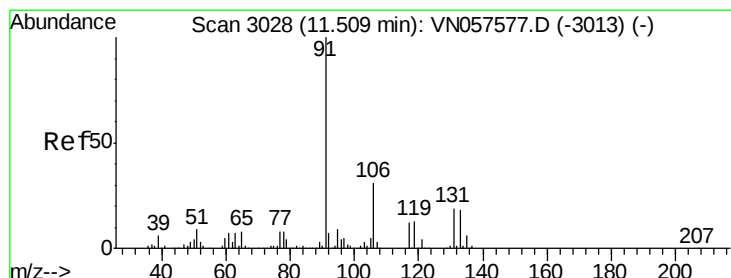
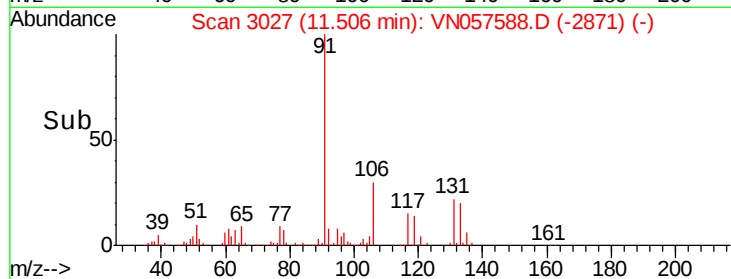
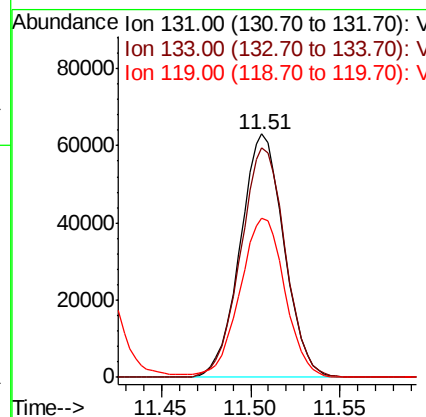
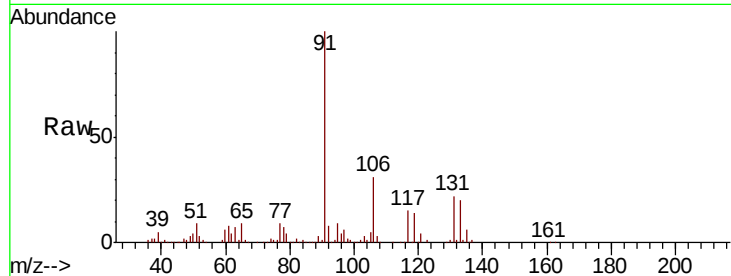
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	131	Resp:	107708
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	186.0
119	67.5	0.0	134.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.758 ug/l

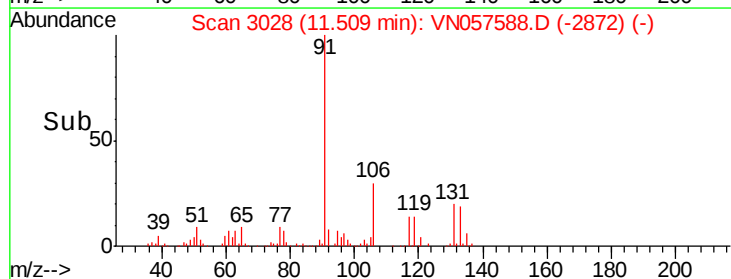
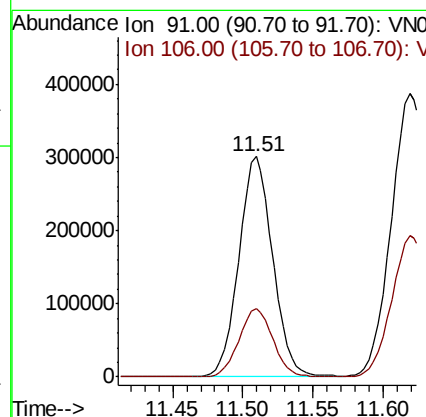
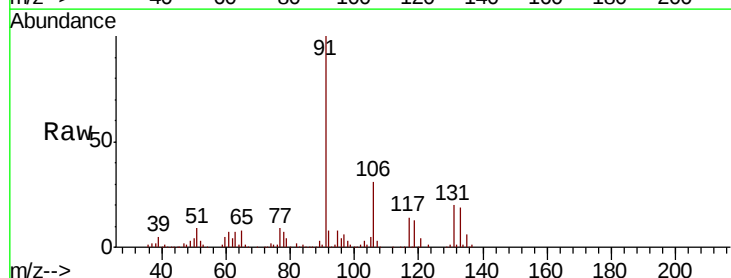
RT: 11.51 min Scan# 3028

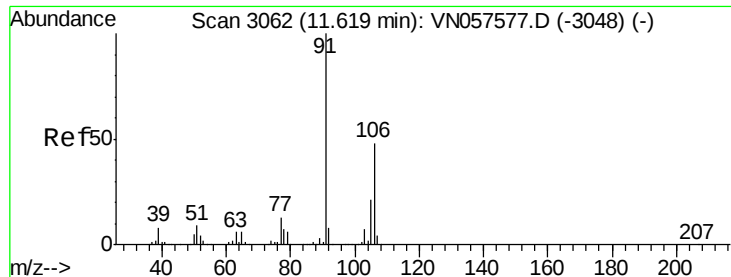
Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Tgt Ion:	91	Resp:	508135
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.7	37.1





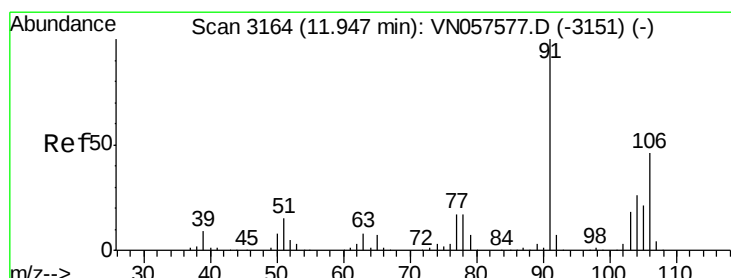
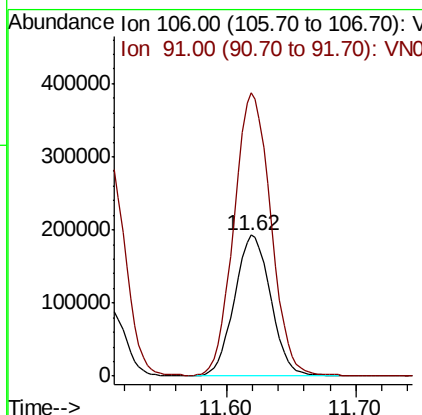
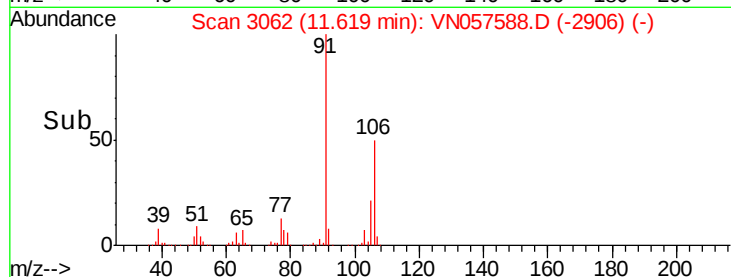
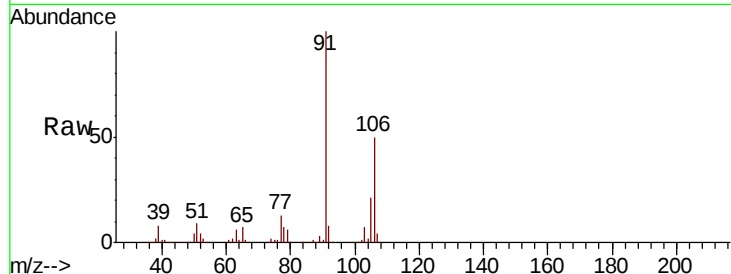
#67
m/p-Xylenes
Concen: 40.274 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tgt Ion:106 Resp: 376313
Ion Ratio Lower Upper
106 100
91 205.3 164.1 246.1

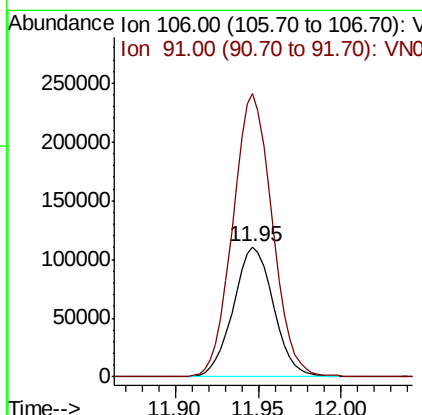
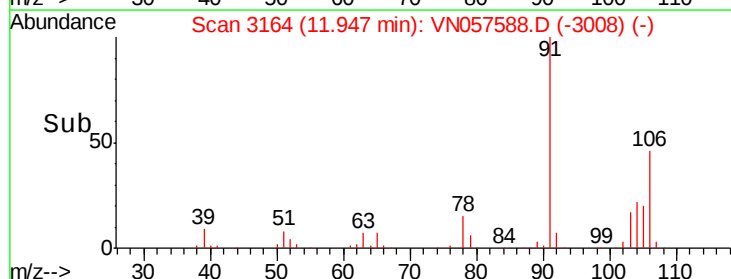
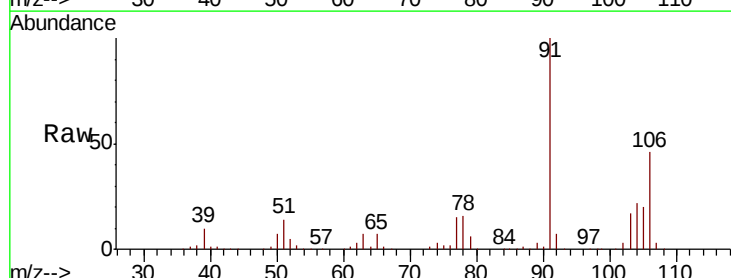
Manual Integrations
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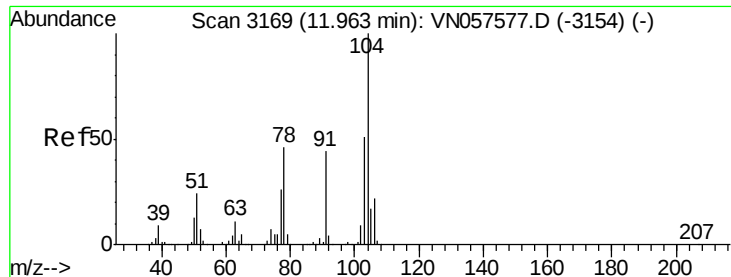
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#68
o-Xylene
Concen: 19.930 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion:106 Resp: 187105
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.6





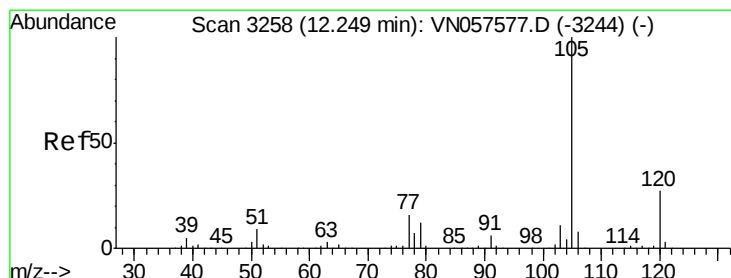
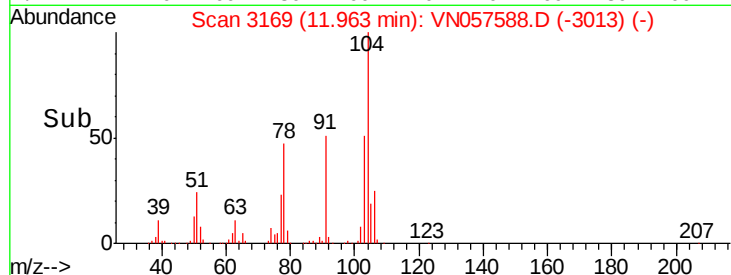
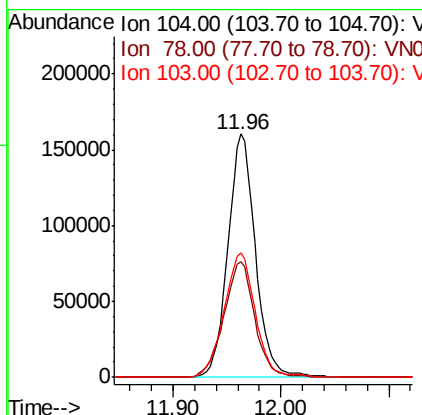
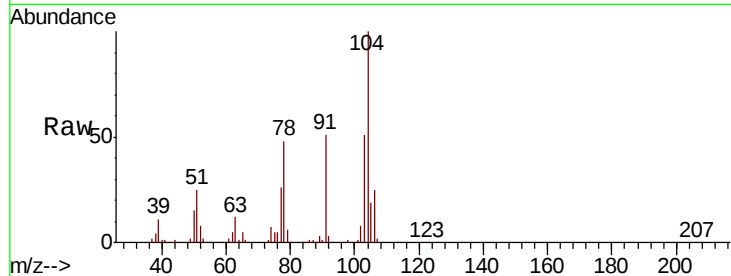
#69
Styrene
Concen: 19.230 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	286130		
78	53.0	41.4	62.0	
103	57.2	44.8	67.2	

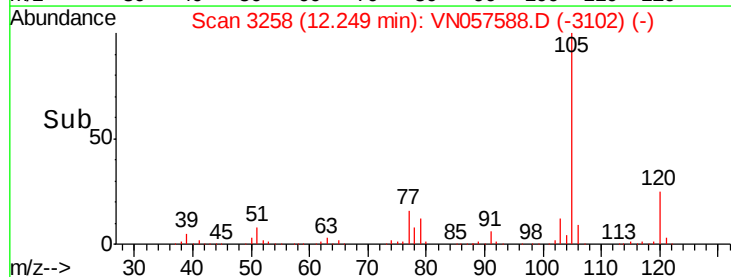
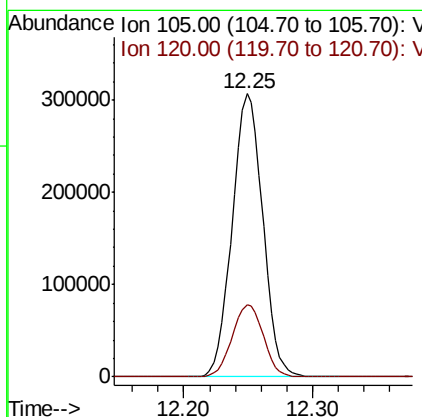
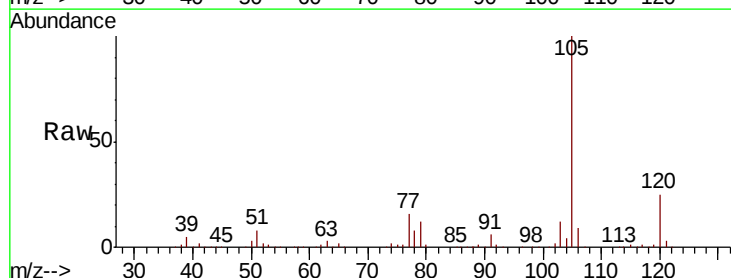
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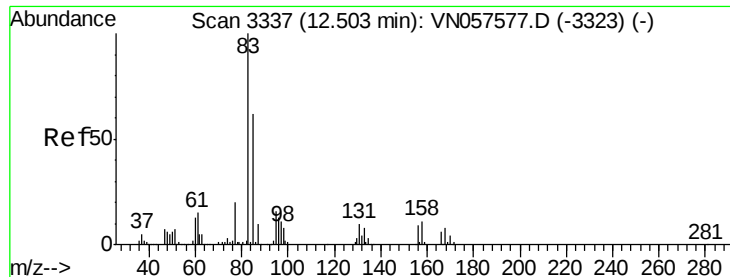
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#70
Isopropylbenzene
Concen: 21.458 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	504972		
120	26.0	18.7	34.7	





#71

1,1,2,2-Tetrachloroethane

Concen: 20.293 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 127022

Ion Ratio Lower Upper

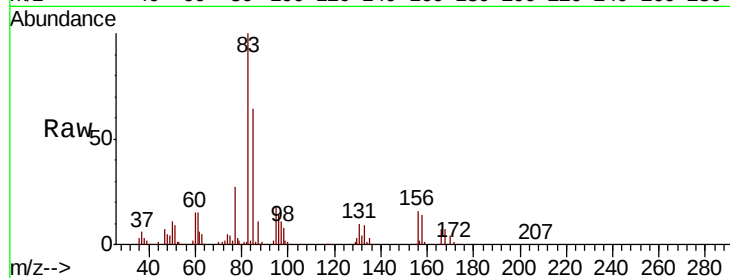
83 100

131 11.1 5.2 15.6

85 65.8 31.6 94.8

Manual Integrations
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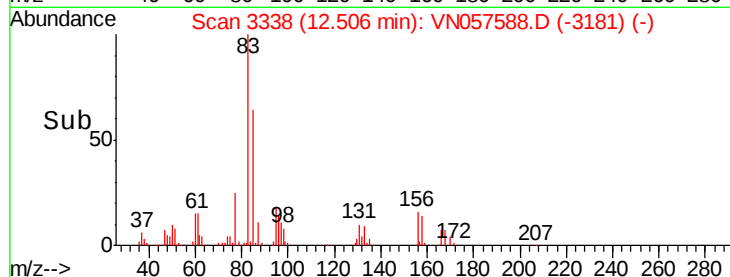


Abundance Ion 83.00 (82.70 to 83.70): VN057577.D (-3323) (-)

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

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

Time-->

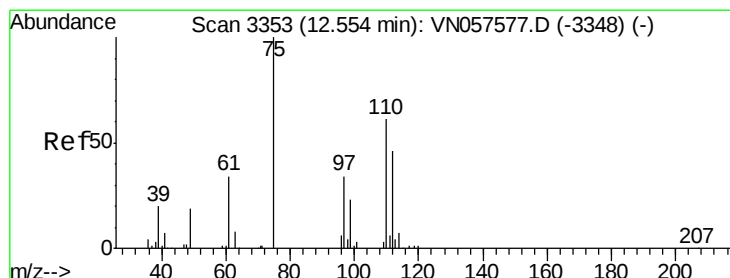


Abundance Ion 83.00 (82.70 to 83.70): VN057588.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN057588.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN057588.D (-3181) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 20.060 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057588.D

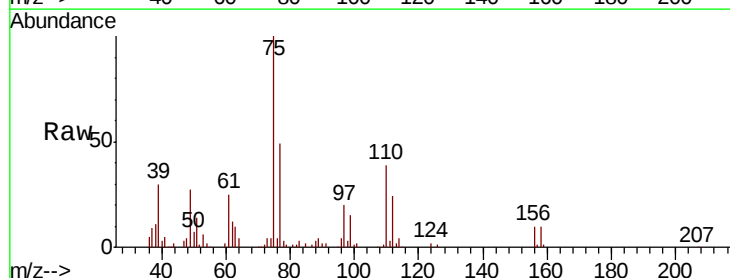
Acq: 30 Aug 2019 14:43

Tgt Ion: 75 Resp: 106597

Ion Ratio Lower Upper

75 100

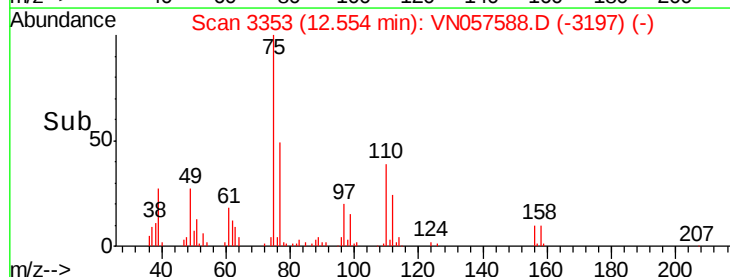
77 201.4 0.0 399.2



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

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

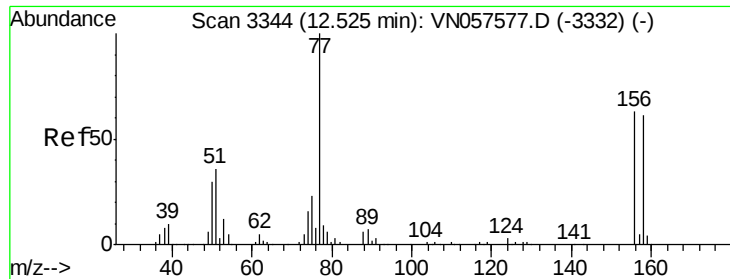
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VN057588.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN057588.D (-3197) (-)

Time-->



#73

Bromobenzene

Concen: 19.069 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

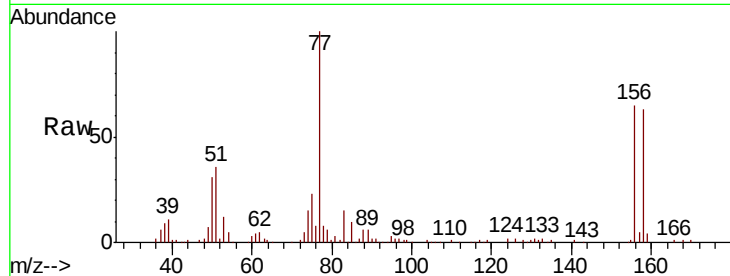
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	114715
Ion Ratio	Lower	Upper	
156	100		
77	187.2	0.0	374.6
158	95.9	0.0	197.4

Manual Integrations
APPROVED

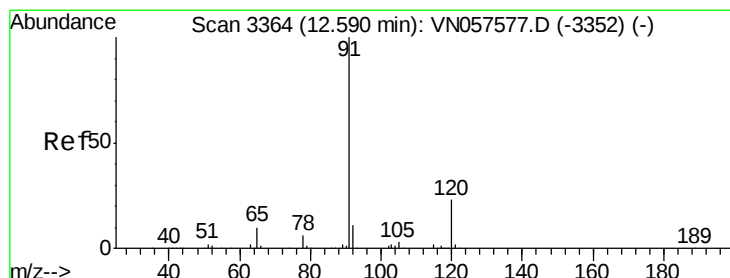
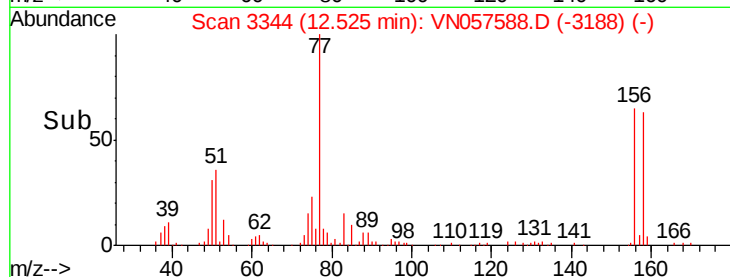
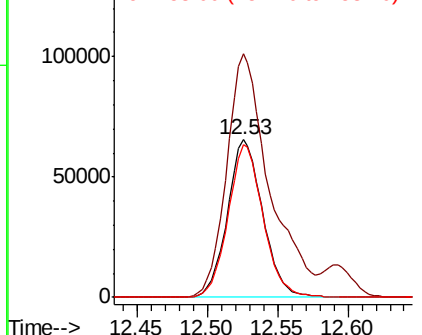
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.231 ug/l

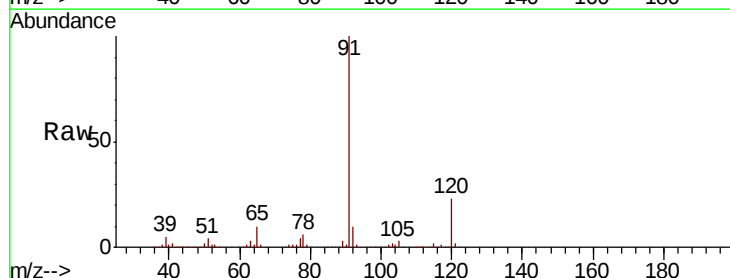
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057588.D

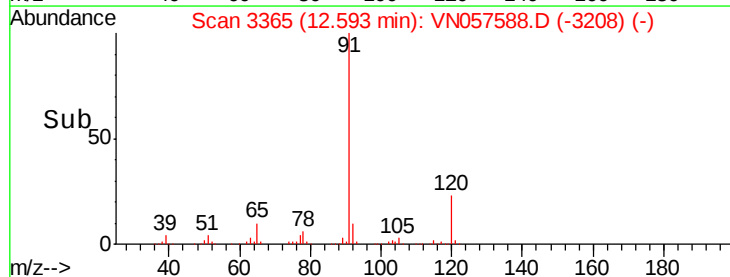
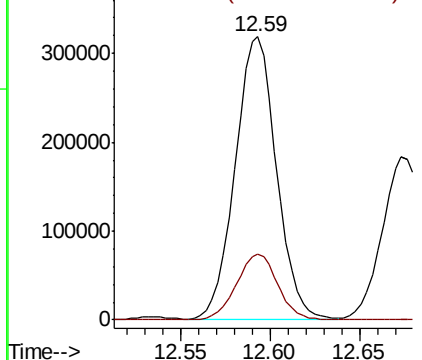
Acq: 30 Aug 2019 14:43

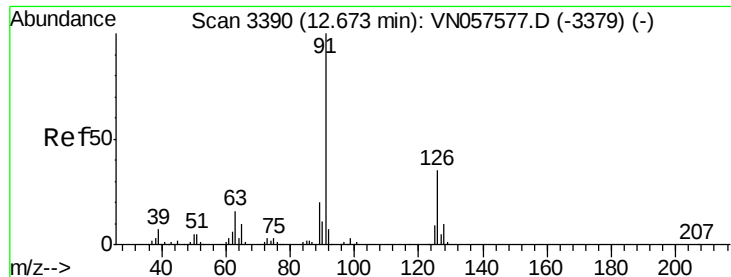
Tgt Ion:	91	Resp:	515051
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.090 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 314791

Ion Ratio Lower Upper

91 100

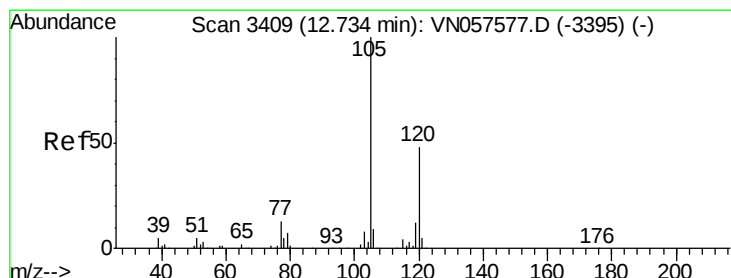
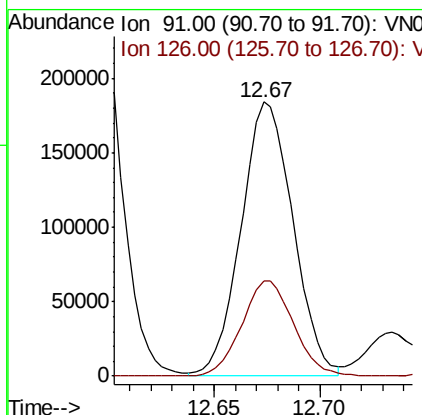
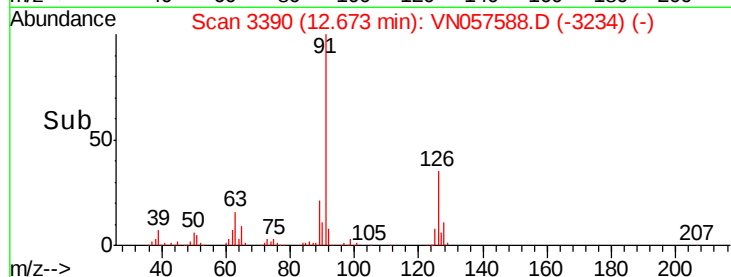
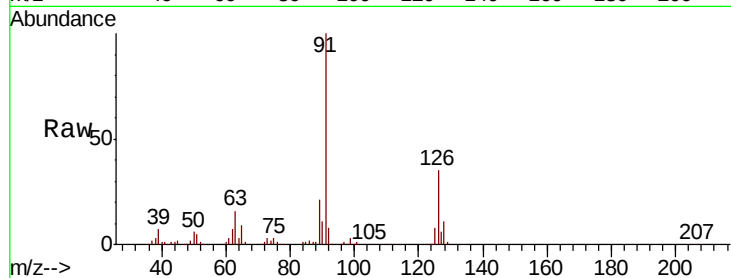
126 35.0 0.0 70.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.997 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057588.D

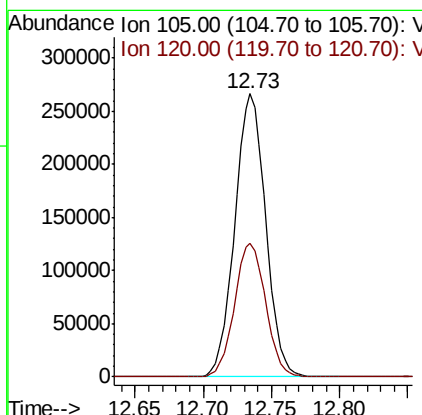
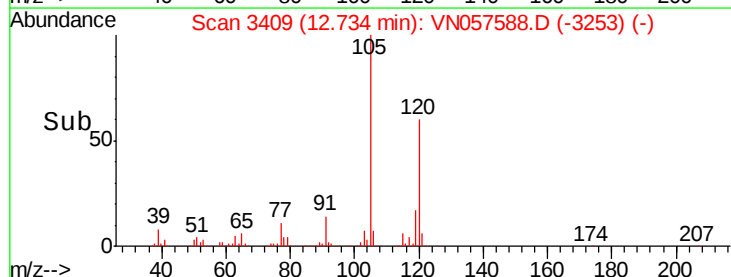
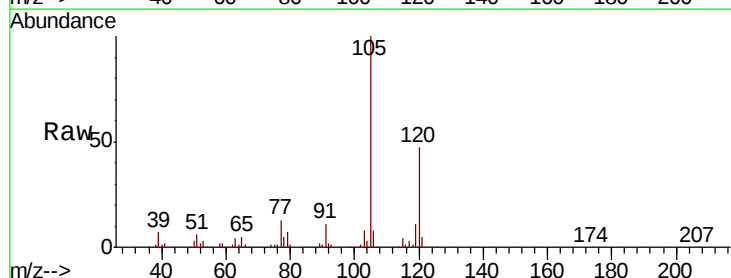
Acq: 30 Aug 2019 14:43

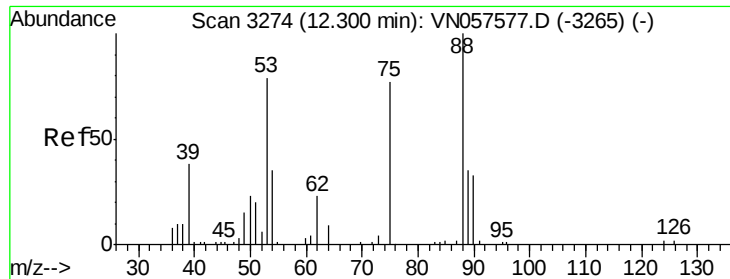
Tgt Ion: 105 Resp: 418144

Ion Ratio Lower Upper

105 100

120 47.6 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.586 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Instrument :

MSVOA_N

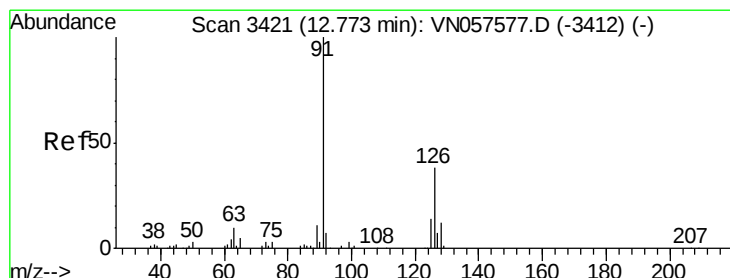
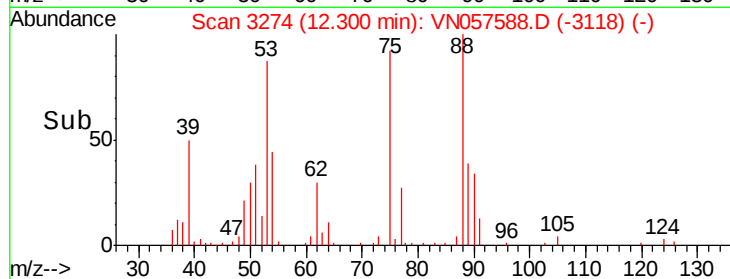
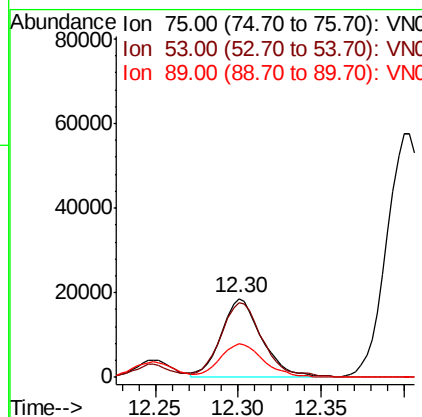
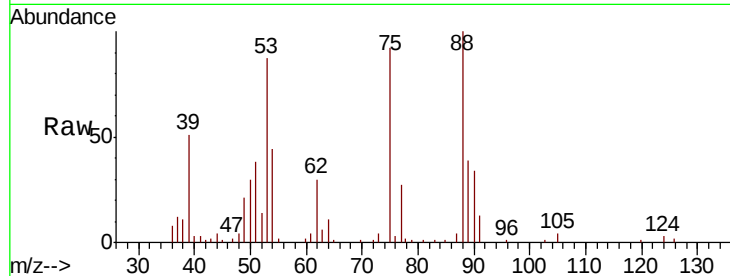
ClientSampled :

VSTDCCC020EC

Tgt Ion:	75	Resp:	31281
Ion Ratio	Lower	Upper	
75	100		
53	94.7	52.8	158.4
89	42.4	23.2	69.5

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#78

4-Chlorotoluene

Concen: 19.361 ug/l

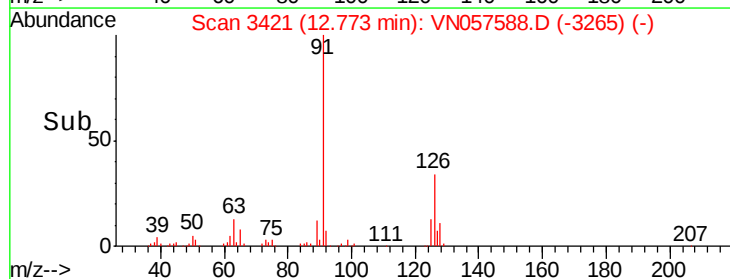
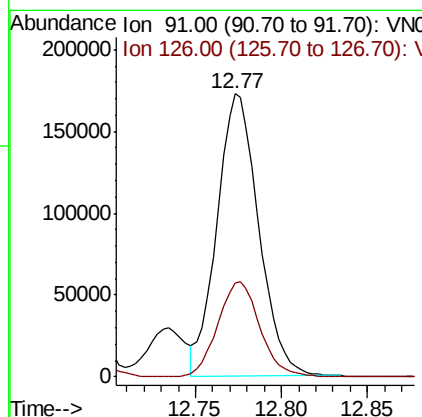
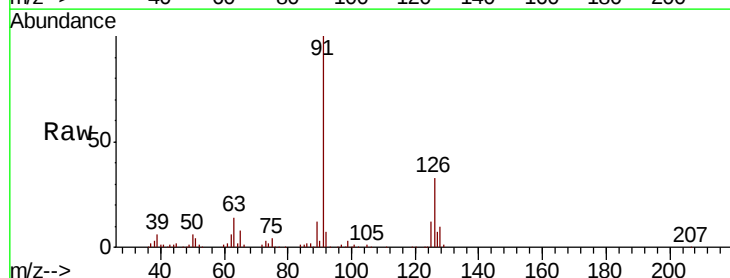
RT: 12.77 min Scan# 3421

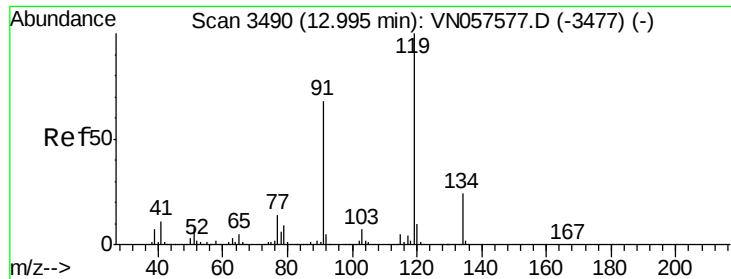
Delta R.T. 0.00 min

Lab File: VN057588.D

Acq: 30 Aug 2019 14:43

Tgt Ion:	91	Resp:	291824
Ion Ratio	Lower	Upper	
91	100		
126	34.2	0.0	68.6





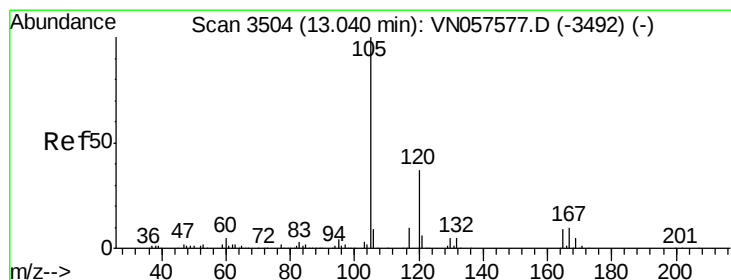
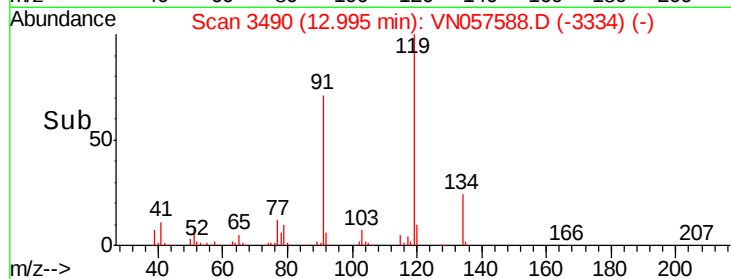
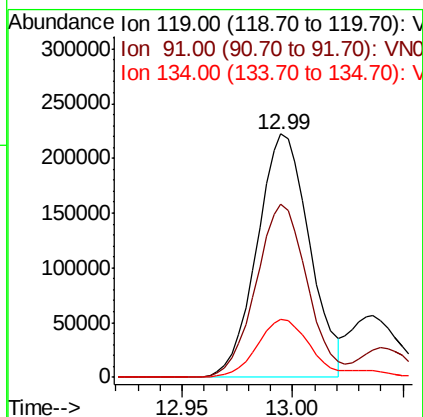
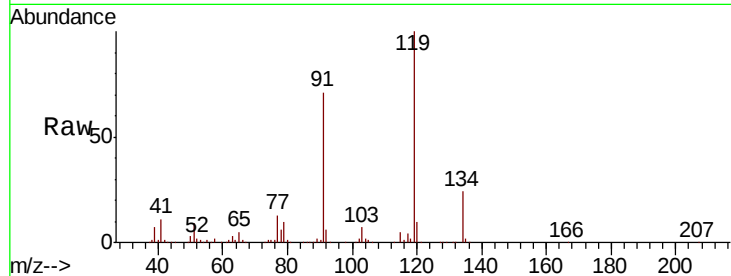
#79
tert-butylbenzene
Concen: 20.155 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	366826		
91	69.6	0.0	137.6	
134	23.8	0.0	47.8	

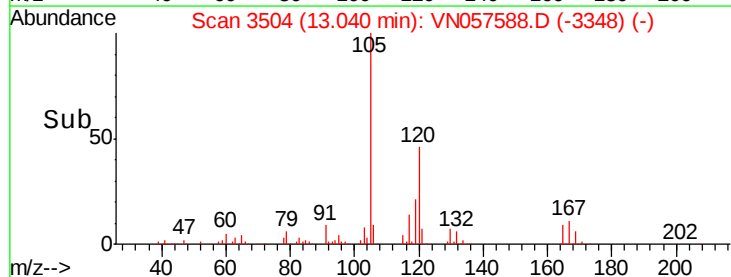
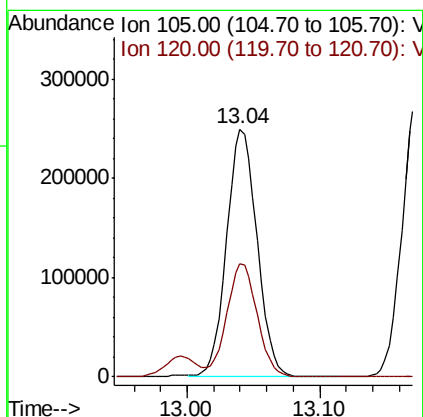
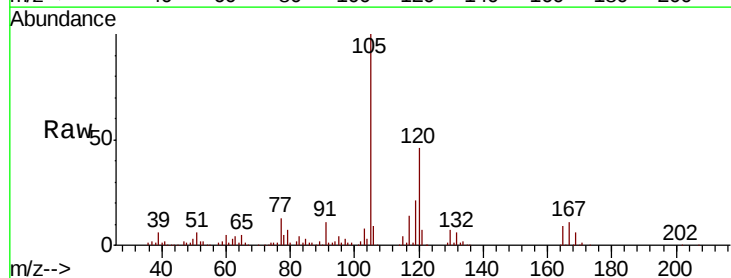
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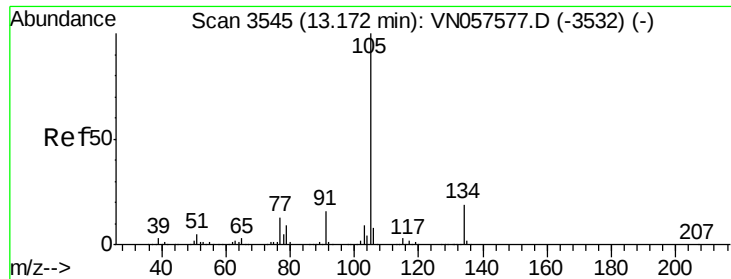
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#80
1,2,4-Trimethylbenzene
Concen: 21.223 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398404		
120	45.4	0.0	87.2	





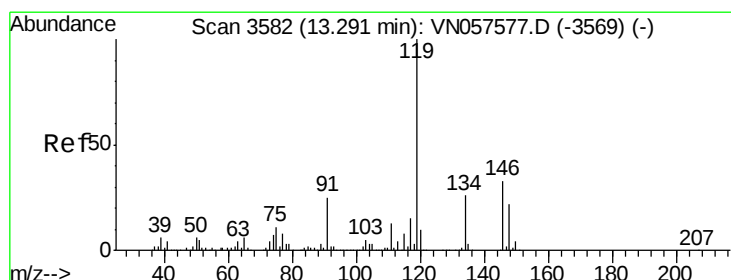
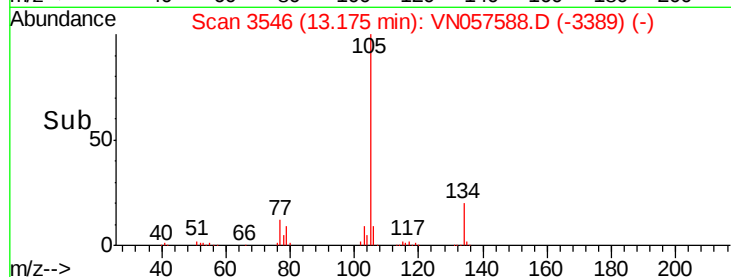
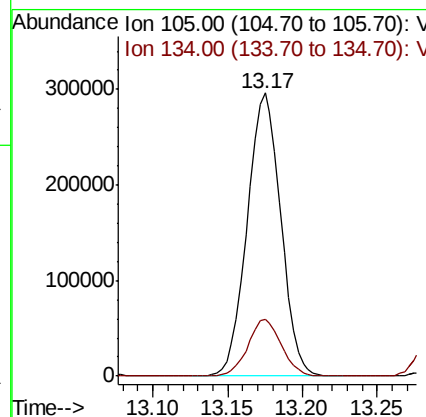
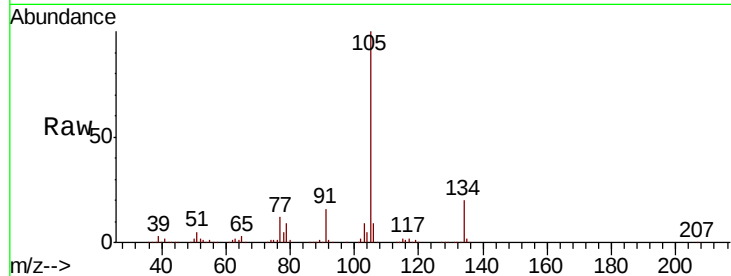
#81
 sec-Butylbenzene
 Concen: 20.879 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	39.2

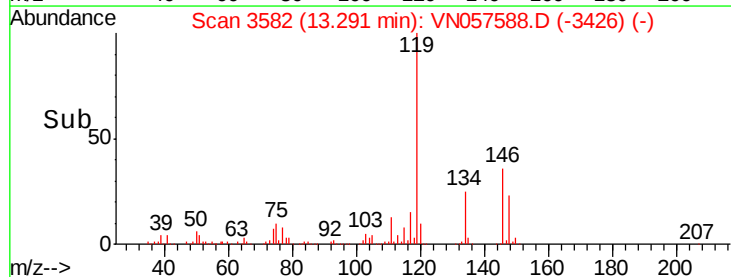
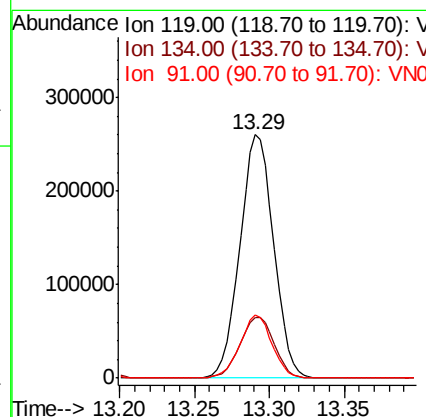
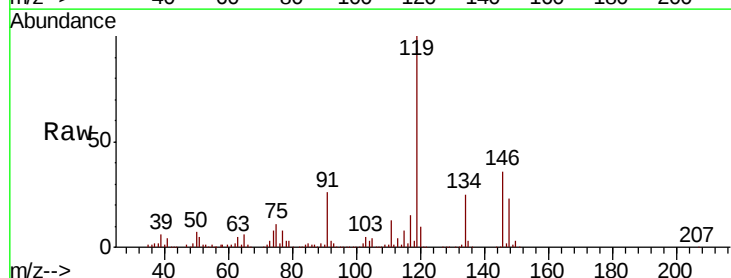
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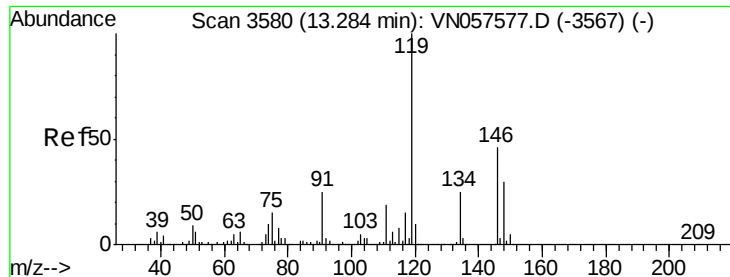
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#82
 p-Isopropyltoluene
 Concen: 20.825 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.6
91	24.9	0.0	50.8





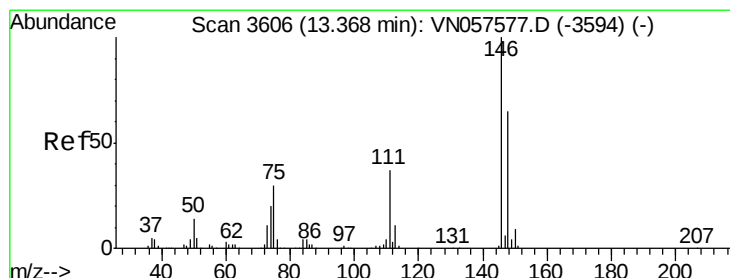
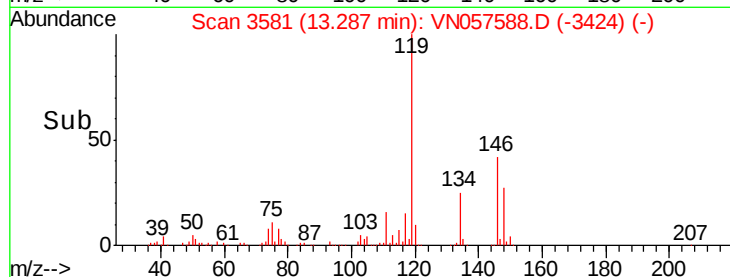
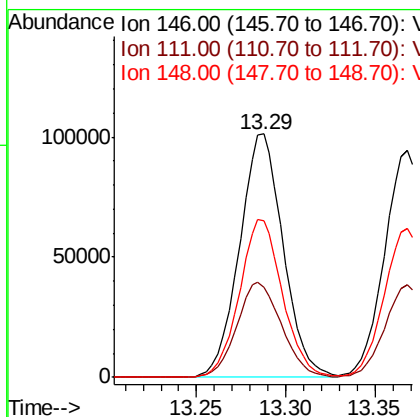
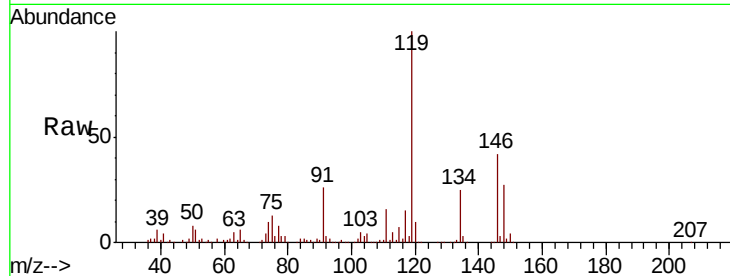
#83
 1,3-Dichlorobenzene
 Concen: 17.815 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173349		
111	39.8	20.0	60.0	
148	63.9	32.3	96.9	

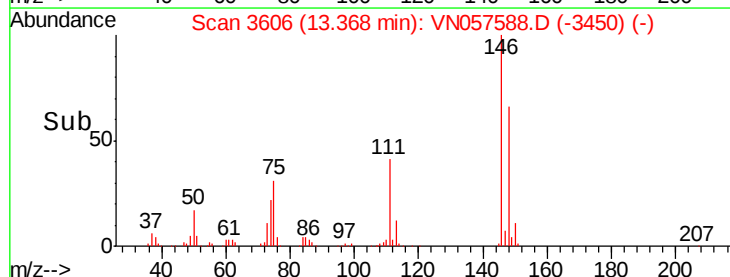
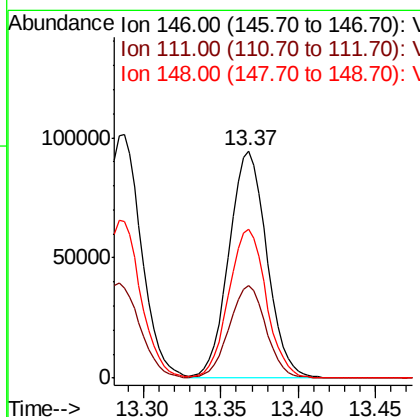
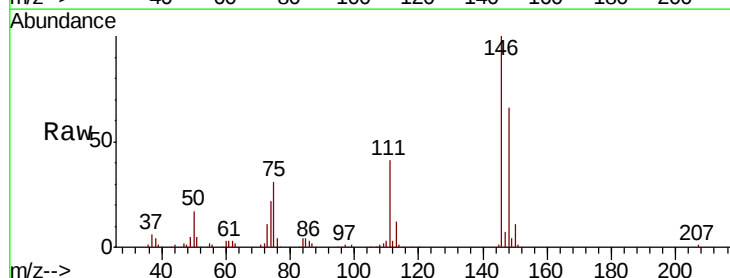
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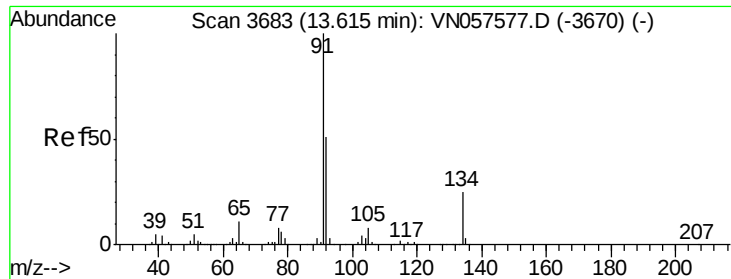
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#84
 1,4-Dichlorobenzene
 Concen: 17.295 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161406		
111	39.5	19.3	57.9	
148	64.9	32.2	96.6	





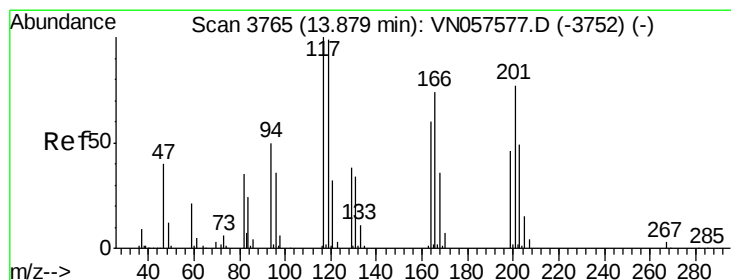
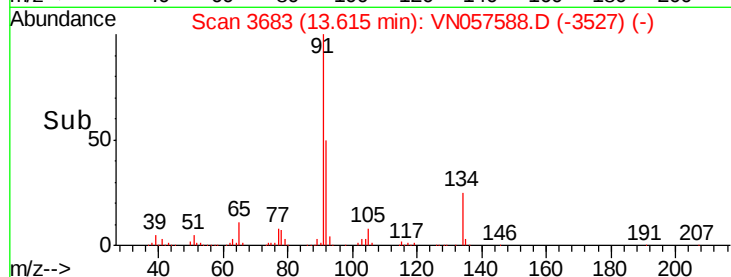
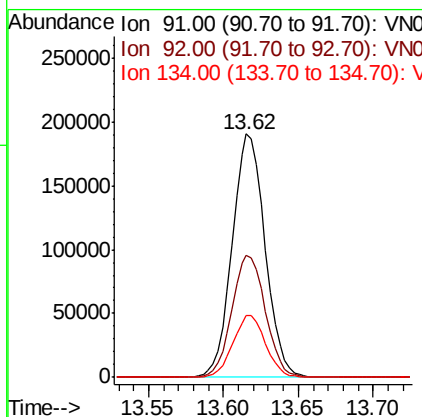
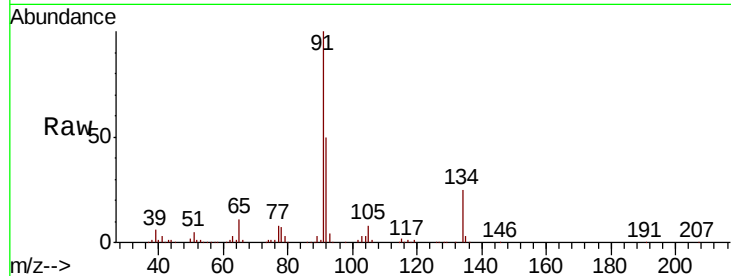
#85
n-Butylbenzene
Concen: 19.032 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	290819		
92	51.3	0.0	103.0	
134	25.3	0.0	51.0	

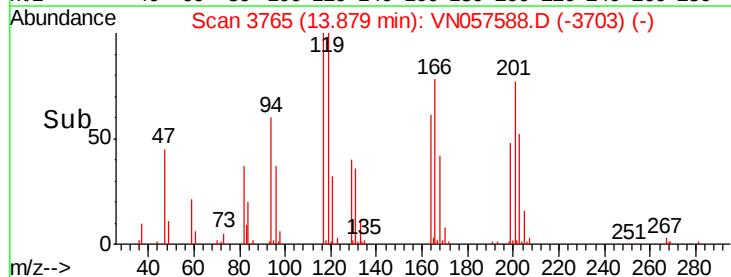
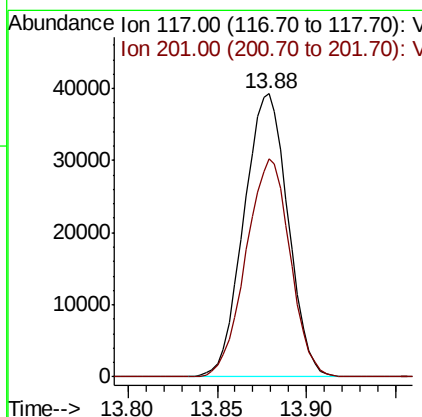
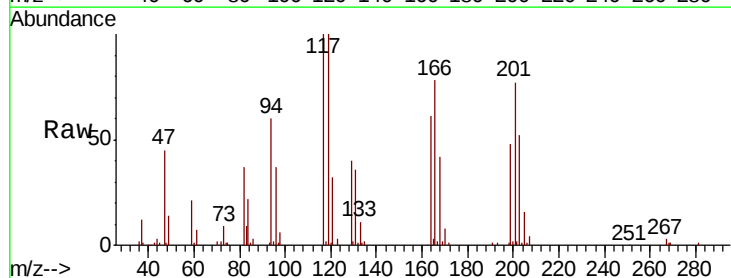
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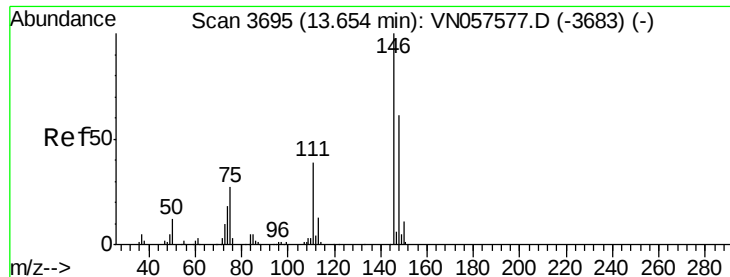
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#86
Hexachloroethane
Concen: 18.121 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67989		
201	76.9	38.0	113.9	





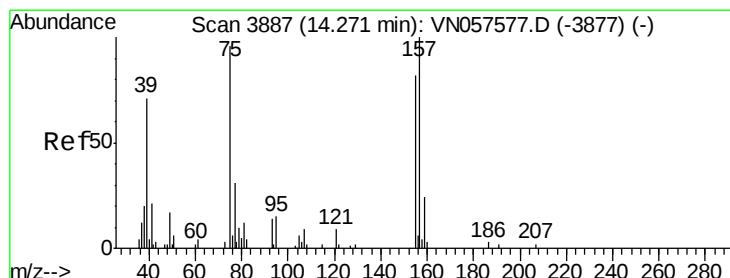
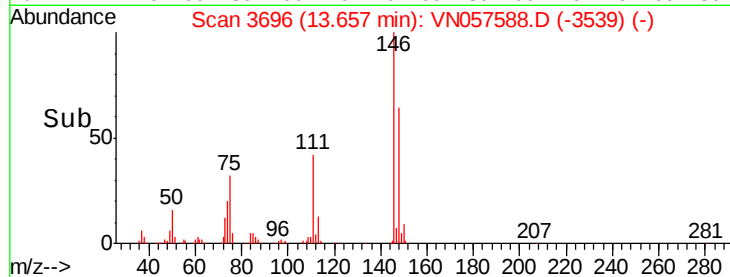
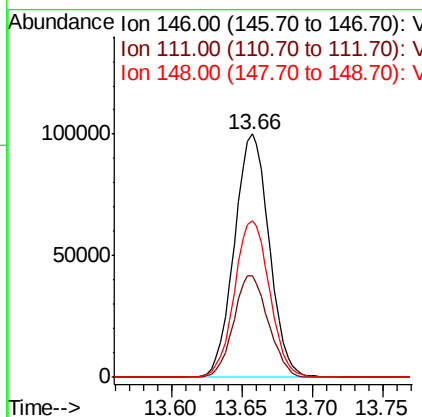
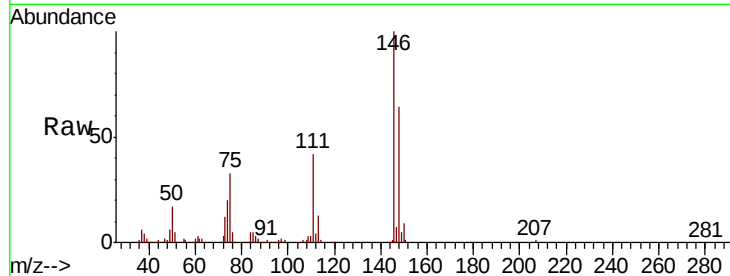
#87
 1,2-Dichlorobenzene
 Concen: 18.566 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173635		
111	41.5	19.9	59.6	
148	64.9	31.2	93.6	

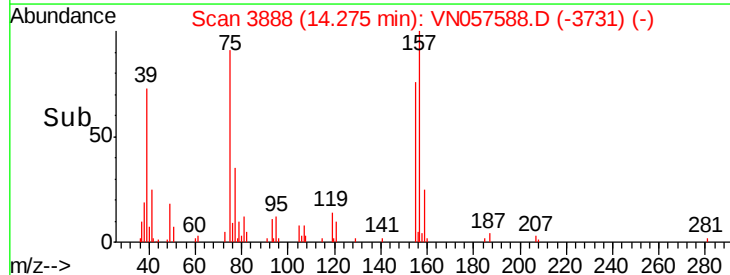
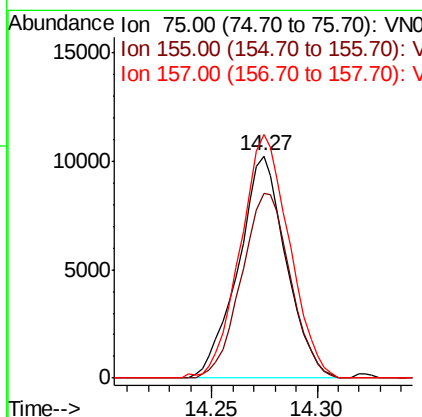
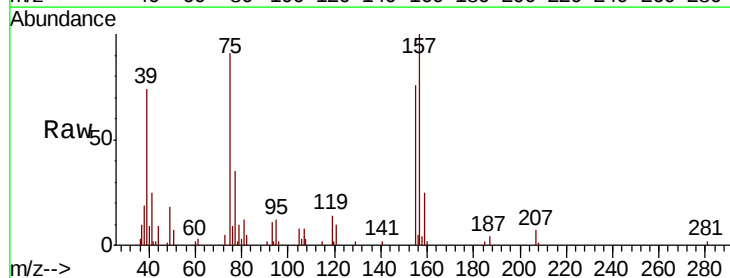
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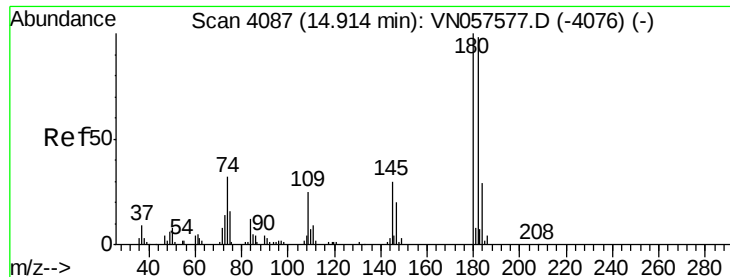
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.197 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16165		
155	84.8	66.5	99.7	
157	112.1	88.4	132.6	





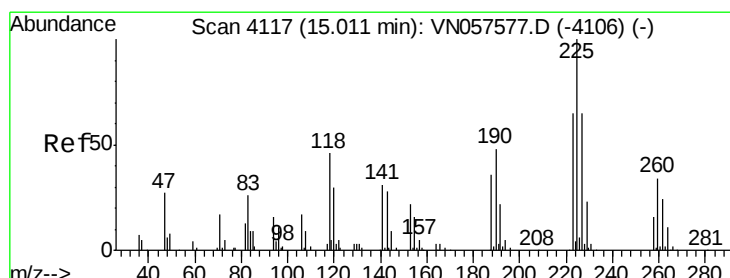
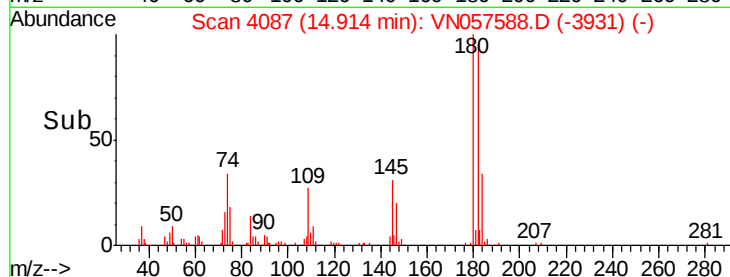
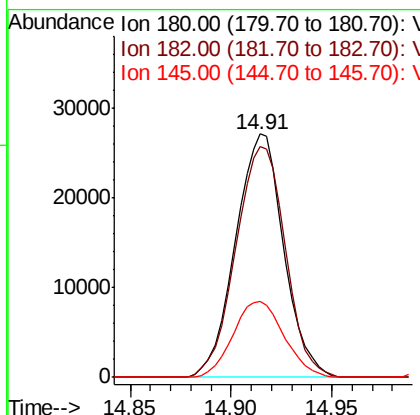
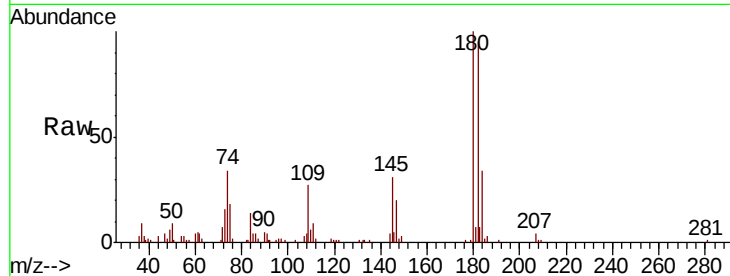
#89
 1,2,4-Trichlorobenzene
 Concen: 13.186 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.6	115.0
145	32.9	24.4	36.6

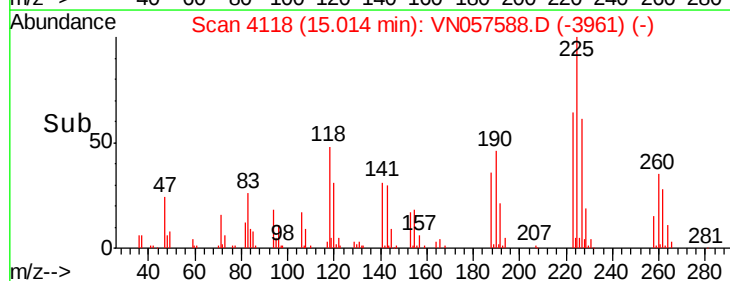
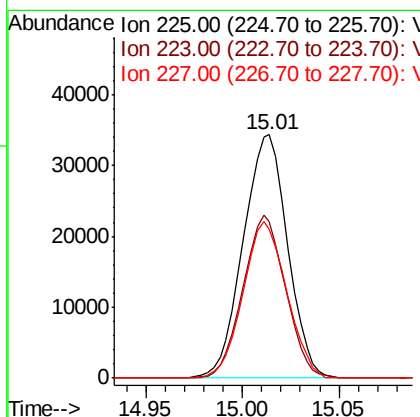
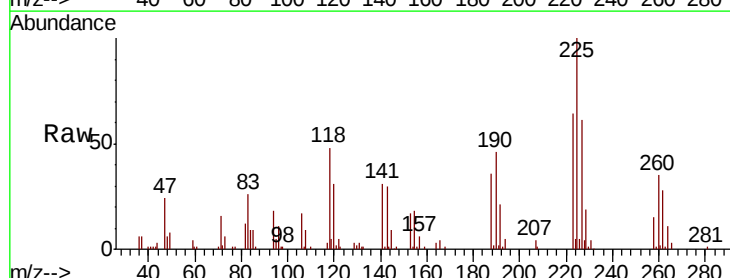
Manual Integrations
 APPROVED

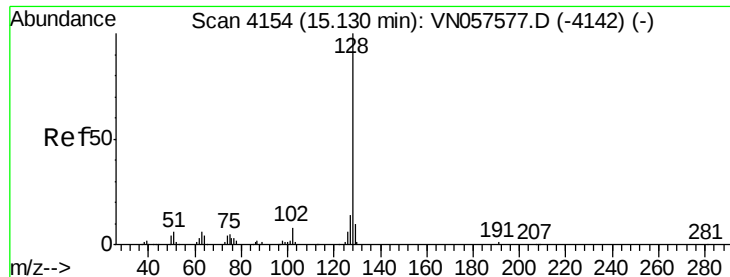
MMDadoda
 8/31/2019 10:01:13 AM



#90
 Hexachlorobutadiene
 Concen: 18.491 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057588.D
 Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	130.6
227	63.0	0.0	131.0





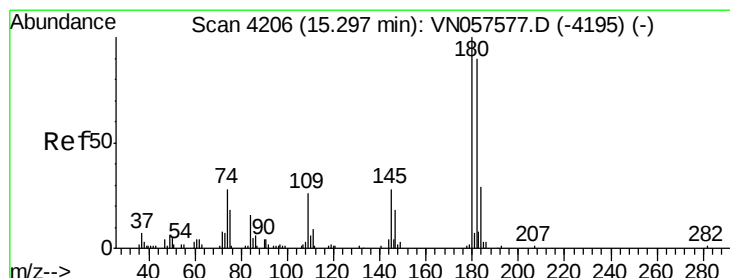
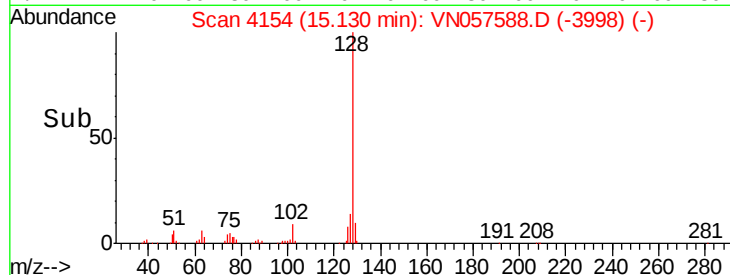
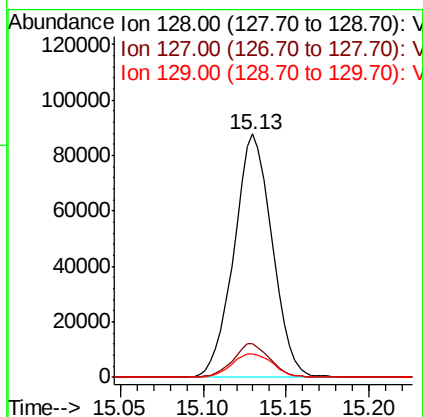
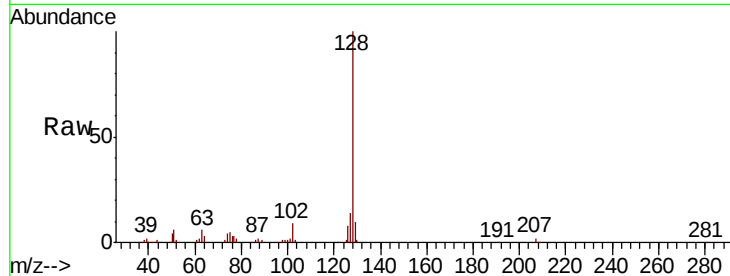
#91
Naphthalene
Concen: 14.653 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.5	8.1	12.1

Manual Integrations
APPROVED

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8/31/2019 10:01:13 AM



#92
1,2,3-Trichlorobenzene
Concen: 14.324 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057588.D
Acq: 30 Aug 2019 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	0.0	181.0
145	32.1	0.0	62.2

