

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057787.D
 Acq On : 9 Sep 2019 8:51
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:28 AM

Quant Time: Sep 09 12:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	68200	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	401111	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	362248	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186211	30.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.90%
60) 4-Bromofluorobenzene	12.40	95	175358	28.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.30%
63) Toluene-d8	10.08	98	526955	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	20539	4.985	ug/l 100
3) Chloromethane	2.03	50	28969	5.638	ug/l 100
4) Vinyl Chloride	2.16	62	28212	5.367	ug/l 94
5) Bromomethane	2.54	94	19100	5.795	ug/l 99
6) Chloroethane	2.68	64	18515	5.667	ug/l 95
7) Trichlorofluoromethane	2.99	101	29780	4.903	ug/l 95
8) Diethyl Ether	3.39	74	12270	5.008	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20472	5.398	ug/l 95
10) 1,1-Dichloroethene	3.71	96	19812	5.494	ug/l 85
11) Methyl Iodide	3.92	142	23281	4.825	ug/l 97
12) Methyl Acetate	4.30	43	25535	5.153	ug/l 100
13) Acrolein	3.59	56	9362m	34.866	ug/l
14) Acrylonitrile	4.96	53	48812	24.195	ug/l 97
15) Acetone	3.80	58	14847	25.922	ug/l 82
16) Carbon Disulfide	4.02	76	43138	5.137	ug/l 97
17) Allyl chloride	4.29	41	32557	4.927	ug/l 98
18) Methylene Chloride	4.52	84	25850m	5.688	ug/l
19) trans-1,2-Dichloroethene	5.02	96	22379	5.568	ug/l 93
20) Diisopropyl ether	5.93	45	79116	5.121	ug/l 99
21) 1,1-Dichloroethane	5.82	63	44478	5.222	ug/l # 94
22) cis-1,2-Dichloroethene	6.81	96	25966	5.273	ug/l # 90
23) tert-Butyl Alcohol	4.76	59	15515m	23.557	ug/l
24) Methyl tert-Butyl Ether	5.02	73	72414	5.240	ug/l # 100
25) Chloroform	7.35	83	46899	5.408	ug/l 100
26) Cyclohexane	7.63	56	37932	5.300	ug/l 97
29) 1,1-Dichloropropene	7.77	75	32648	5.174	ug/l 86
30) 2-Butanone	6.82	43	69432	24.404	ug/l # 76
31) 2,2-Dichloropropane	6.80	77	33968	5.099	ug/l # 78
32) 1,1,1-Trichloroethane	7.55	97	36263	5.111	ug/l 97
33) Carbon Tetrachloride	7.76	117	28152m	4.864	ug/l
34) Benzene	8.02	78	100043	5.351	ug/l # 66
35) Methacrylonitrile	7.15	41	10164	3.921	ug/l 98
36) 1,2-Dichloroethane	8.11	62	38906	5.362	ug/l 99
37) Trichloroethene	8.82	130	23932	5.270	ug/l 91
38) Methylcyclohexane	9.07	83	37198	5.177	ug/l 98
39) 1,2-Dichloropropane	9.11	63	28882	5.501	ug/l 100
40) Dibromomethane	9.20	93	16302	5.105	ug/l 94

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	31302	4.862	ug/l	95
42) Vinyl Acetate	5.87	43	289239	25.280	ug/l	99
43) Ethyl Acetate	6.91	43	25612	4.364	ug/l #	94
44) Isopropyl Acetate	8.15	43	49156	4.837	ug/l #	93
45) 1,4-Dioxane	9.19	88	8471	106.513	ug/l	89
46) Methyl methacrylate	9.19	41	24582	4.972	ug/l	98
47) n-amyl Acetate	12.07	43	38898m	4.186	ug/l	
48) t-1,3-Dichloropropene	10.38	75	29262	4.269	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	36521	4.749	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	23876	5.154	ug/l	96
51) Ethyl methacrylate	10.43	69	32994	4.594	ug/l	98
52) 1,3-Dichloropropane	10.70	76	40759	5.031	ug/l	97
53) Dibromochloromethane	10.90	129	20304	4.438	ug/l	100
54) 1,2-Dibromoethane	11.00	107	23260	5.047	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	77477	22.700	ug/l	97
56) Bromoform	12.13	173	10706	3.778	ug/l	90
58) 4-Methyl-2-Pentanone	9.98	43	142722	25.406	ug/l	99
59) 2-Hexanone	10.75	43	104828	24.866	ug/l	99
61) Tetrachloroethene	10.63	164	19560	5.311	ug/l	94
62) Toluene	10.15	91	108872	5.428	ug/l	98
64) Chlorobenzene	11.43	112	64758	5.204	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	20293	4.697	ug/l	98
66) Ethyl Benzene	11.51	91	115364	5.272	ug/l	97
67) m/p-Xylenes	11.62	106	84269	11.149	ug/l	99
68) o-Xylene	11.95	106	40488	4.946	ug/l	100
69) Styrene	11.96	104	66299	4.751	ug/l	99
70) Isopropylbenzene	12.25	105	111973	5.174	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	32052	4.739	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	28234m	4.771	ug/l	
73) Bromobenzene	12.53	156	26200	5.057	ug/l	93
74) n-propylbenzene	12.59	91	130523	5.279	ug/l	99
75) 2-Chlorotoluene	12.68	91	78284	5.083	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	92010	4.993	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	5965	3.350	ug/l	94
78) 4-Chlorotoluene	12.78	91	75934	4.834	ug/l	98
79) tert-butylbenzene	13.00	119	77204	4.802	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	90914	4.952	ug/l	100
81) sec-Butylbenzene	13.17	105	109881	5.152	ug/l	98
82) p-Isopropyltoluene	13.29	119	93713	4.906	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	45974	4.774	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	44860	4.732	ug/l	98
85) n-Butylbenzene	13.62	91	85249	4.789	ug/l	99
86) Hexachloroethane	13.88	117	13130	4.315	ug/l	95
87) 1,2-Dichlorobenzene	13.66	146	45297	4.846	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4985	4.186	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	25113	4.398	ug/l	98
90) Hexachlorobutadiene	15.01	225	11934	4.551	ug/l	92
91) Naphthalene	15.13	128	65052	4.140	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	23709	4.354	ug/l	99

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

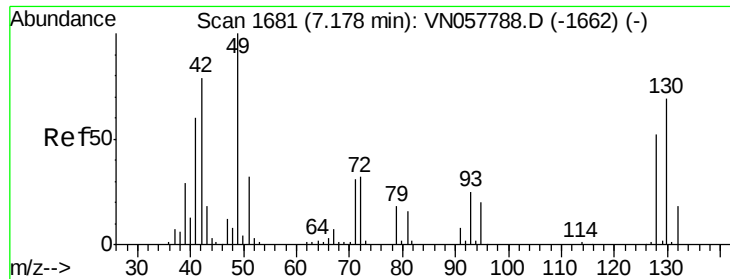
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



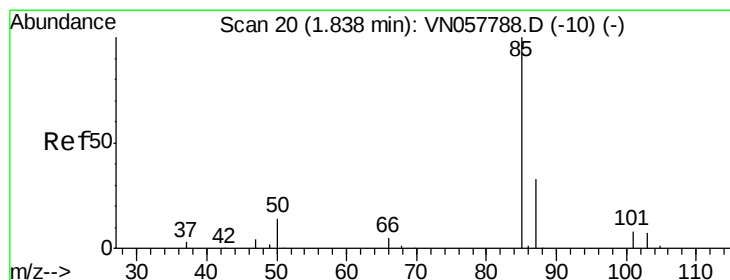
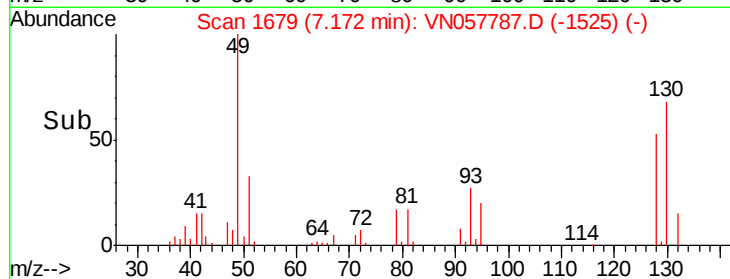
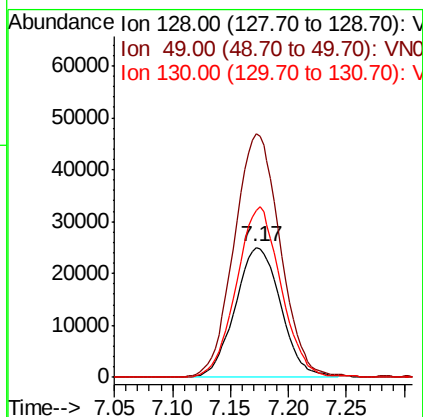
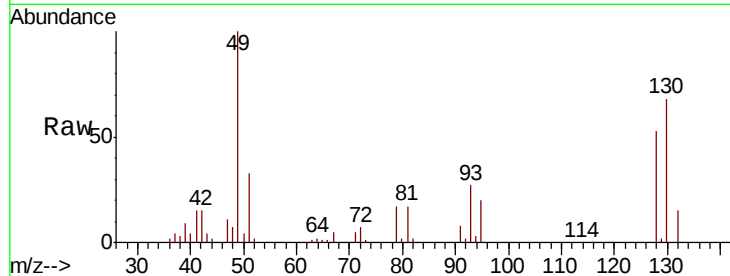
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
49	190.1	0.0	486.5
130	128.2	0.0	324.5

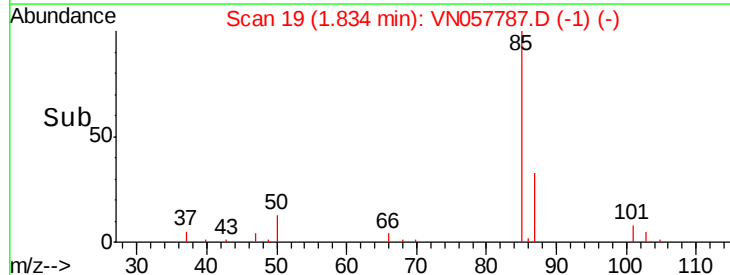
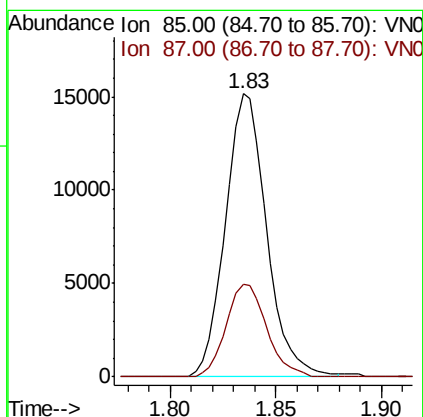
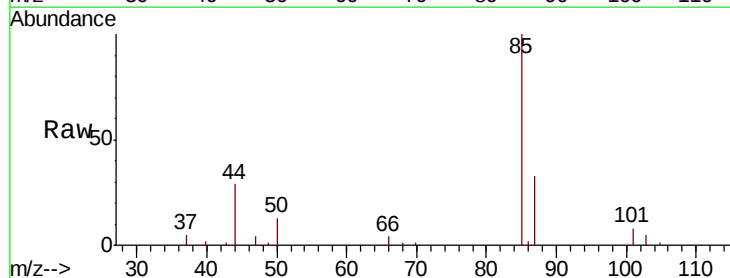
Manual Integrations
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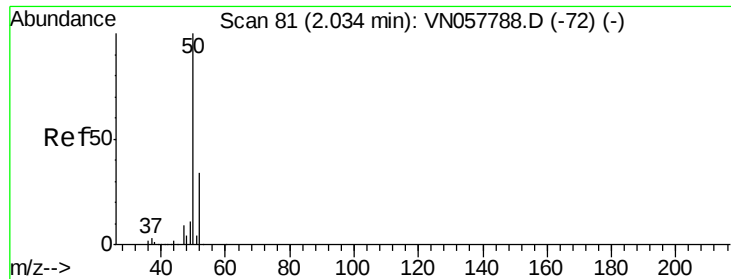
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#2
 Dichlorodifluoromethane
 Concen: 4.985 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.4





#3

Chloromethane

Concen: 5.638 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 28969

Ion Ratio Lower Upper

50 100

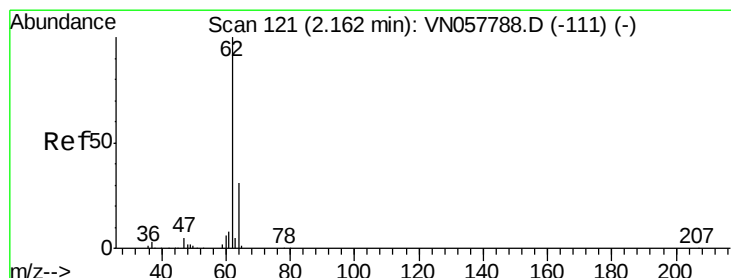
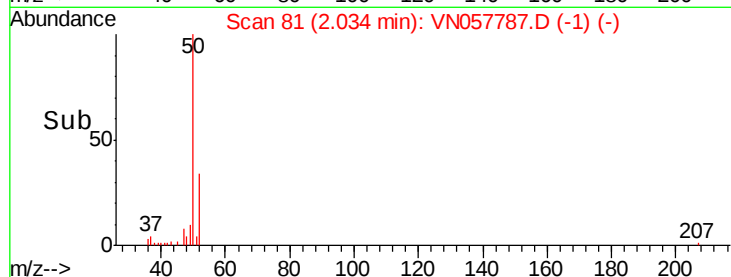
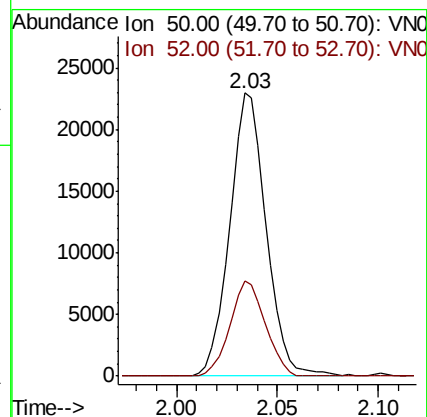
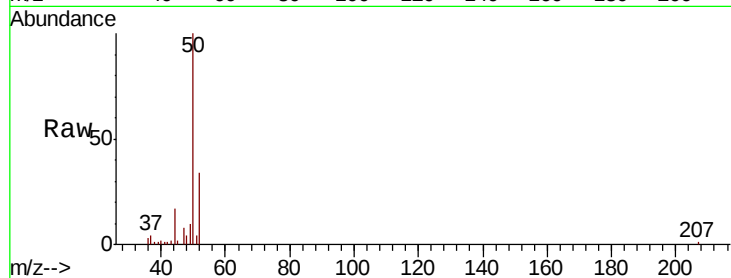
52 33.7 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.367 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057787.D

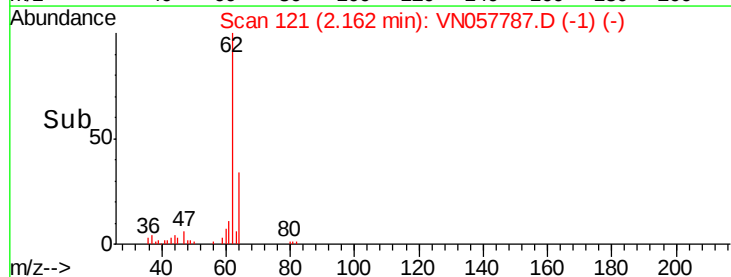
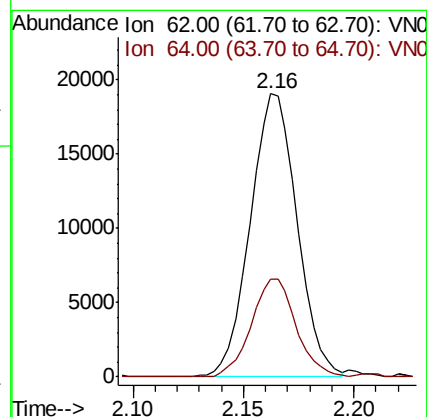
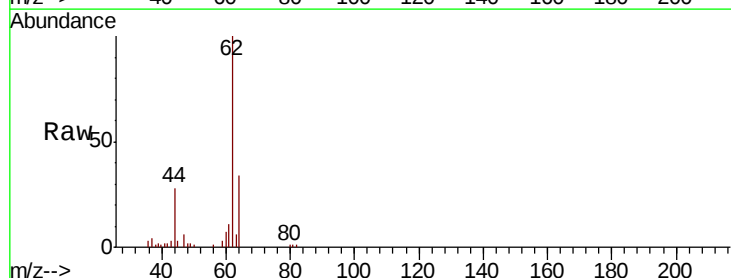
Acq: 9 Sep 2019 8:51

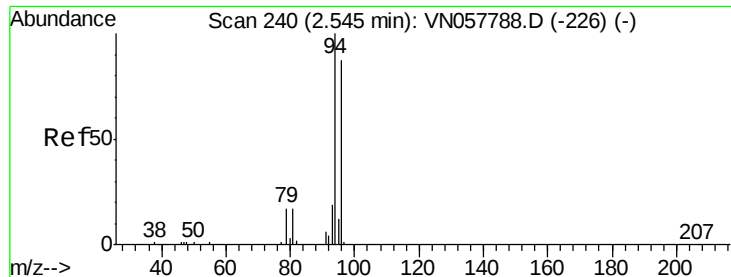
Tgt Ion: 62 Resp: 28212

Ion Ratio Lower Upper

62 100

64 34.4 25.0 37.6





#5

Bromomethane

Concen: 5.795 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 19100

Ion Ratio Lower Upper

94 100

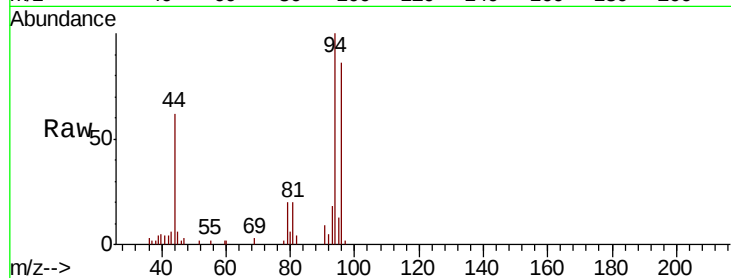
96 85.6 69.2 103.8

Manual Integrations

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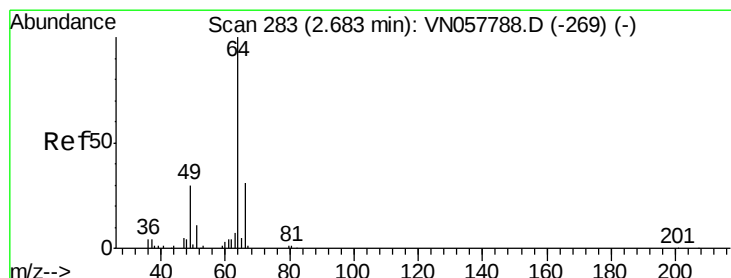
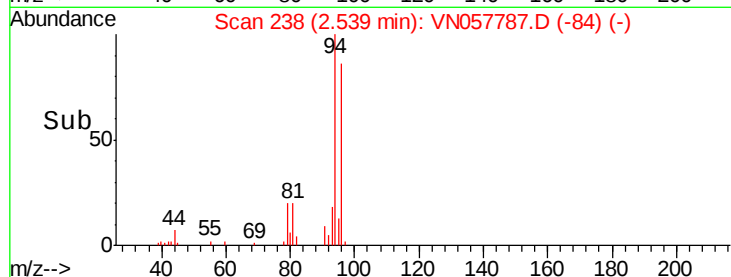


Abundance Ion 94.00 (93.70 to 94.70): VN057787.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN057787.D (-226) (-)

2.54

Time-->



#6

Chloroethane

Concen: 5.667 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057787.D

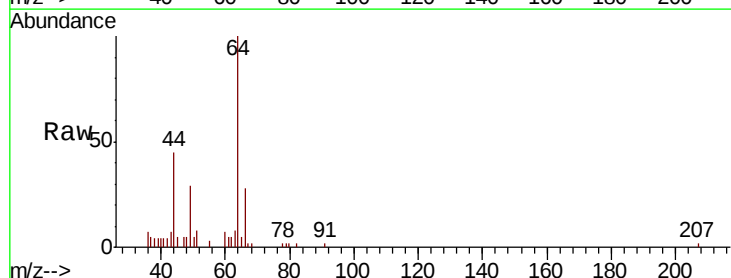
Acq: 9 Sep 2019 8:51

Tgt Ion: 64 Resp: 18515

Ion Ratio Lower Upper

64 100

66 27.9 24.4 36.6

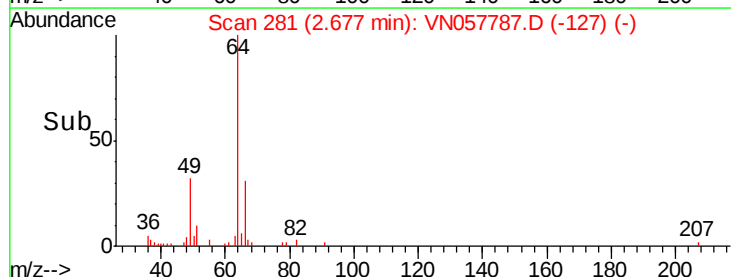


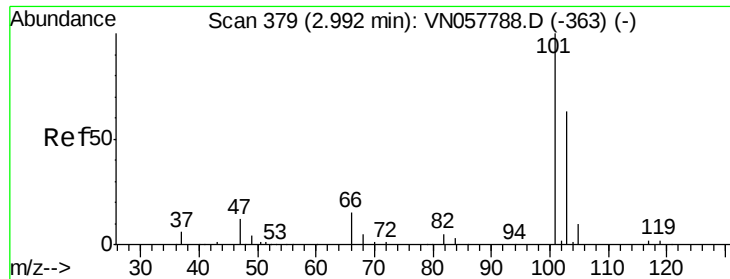
Abundance Ion 64.00 (63.70 to 64.70): VN057787.D (-269) (-)

Ion 66.00 (65.70 to 66.70): VN057787.D (-269) (-)

2.68

Time-->





#7

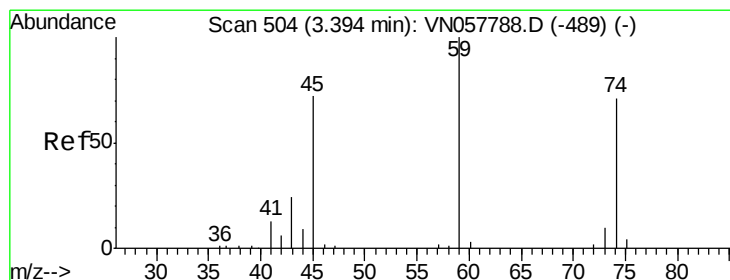
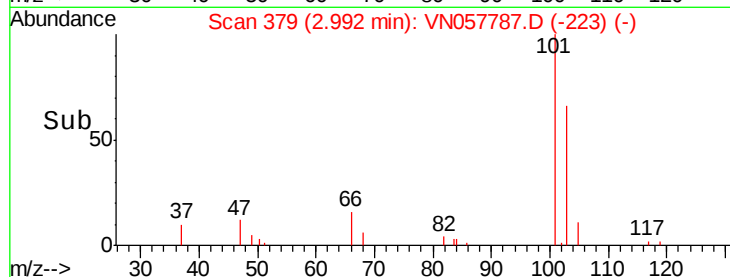
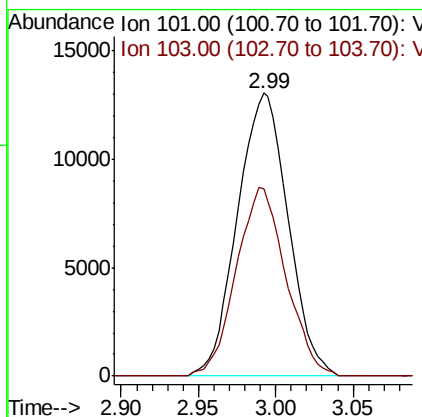
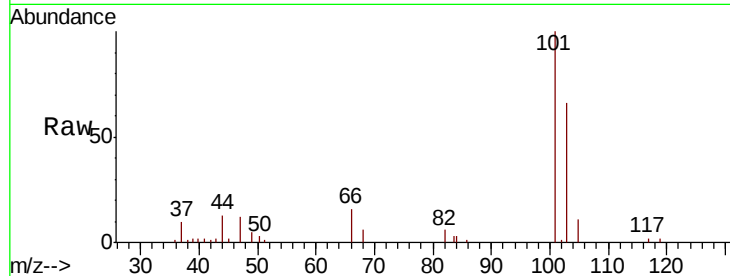
Trichlorofluoromethane
 Concen: 4.903 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.2	75.2

Manual Integrations
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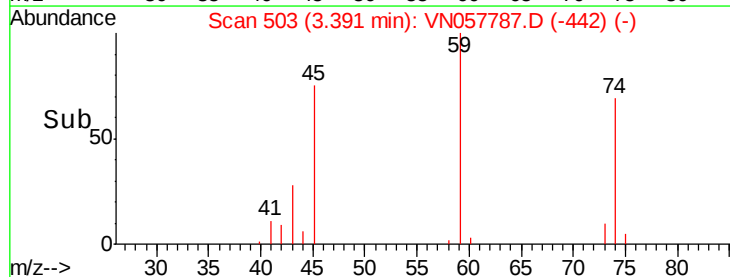
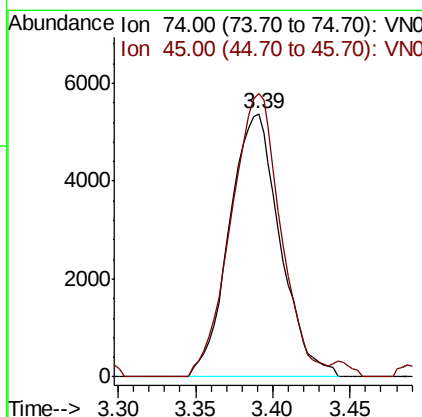
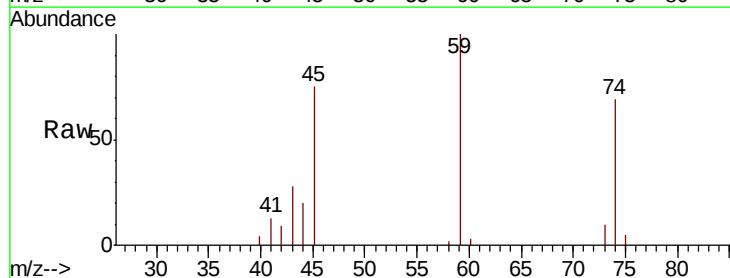
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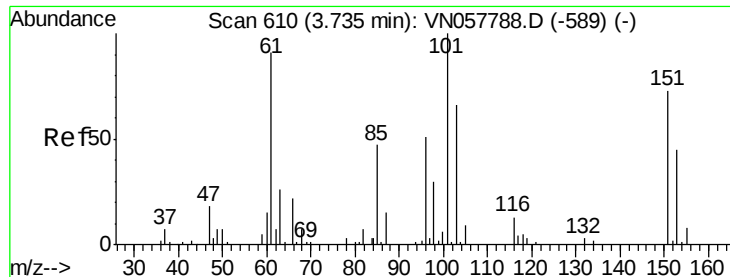


#8

Diethyl Ether
 Concen: 5.008 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	20.3	182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.398 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

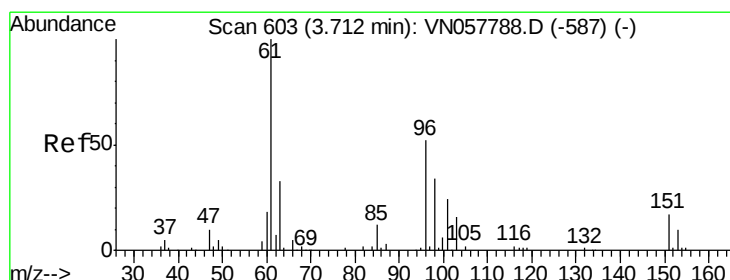
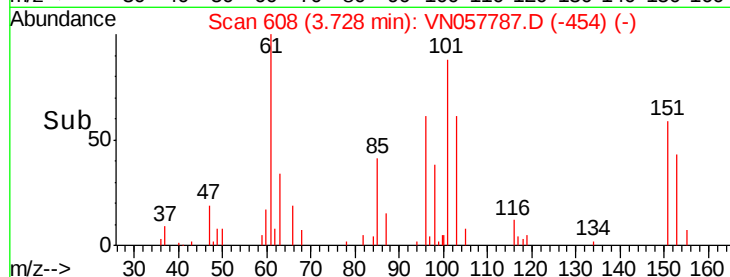
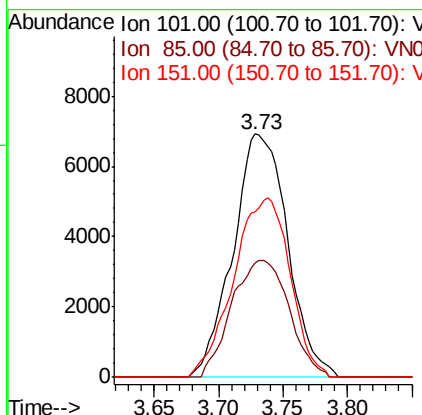
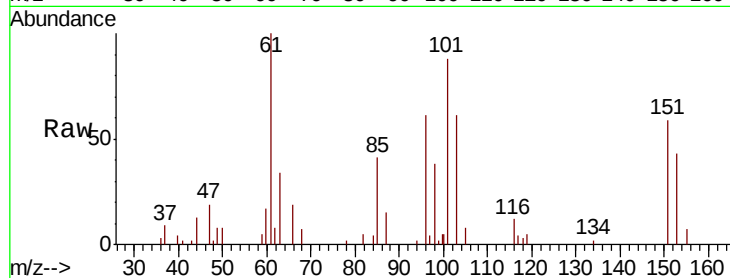
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	20472
Ion Ratio	Lower	Upper	
101	100		
85	50.3	0.0	94.0
151	76.1	0.0	144.4

Manual Integrations
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9/13/2019 11:04:28 AM



#10

1,1-Dichloroethene

Concen: 5.494 ug/l

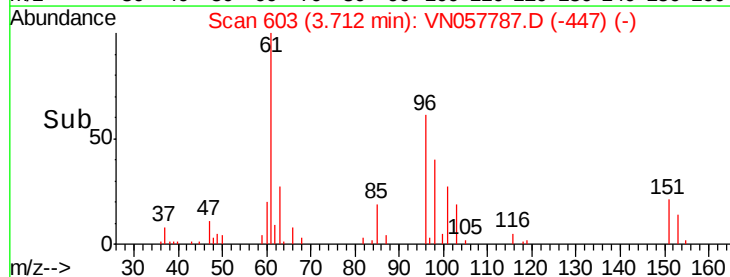
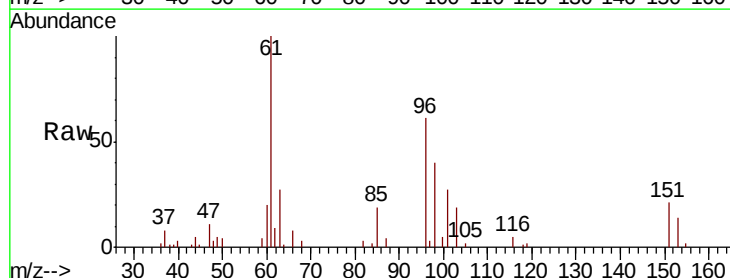
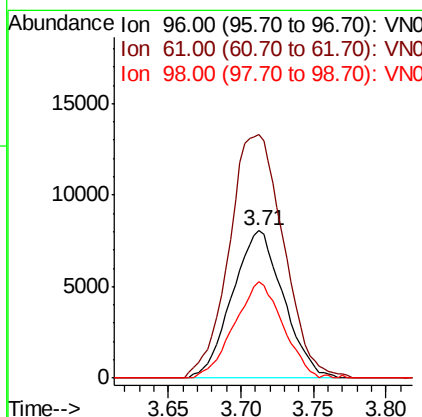
RT: 3.71 min Scan# 603

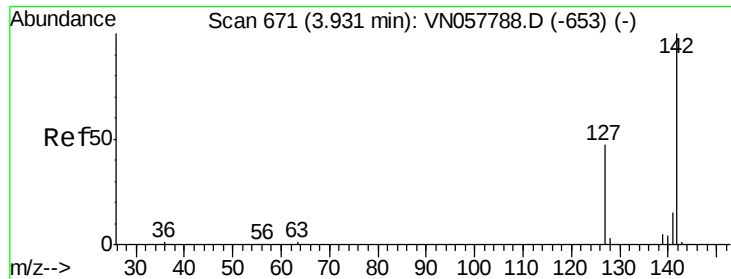
Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Tgt Ion:	96	Resp:	19812
Ion Ratio	Lower	Upper	
96	100		
61	162.0	153.4	230.0
98	65.6	51.5	77.3





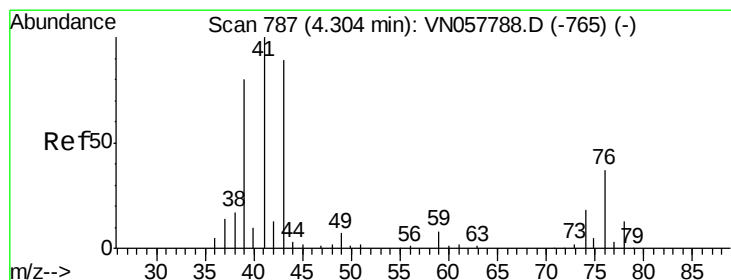
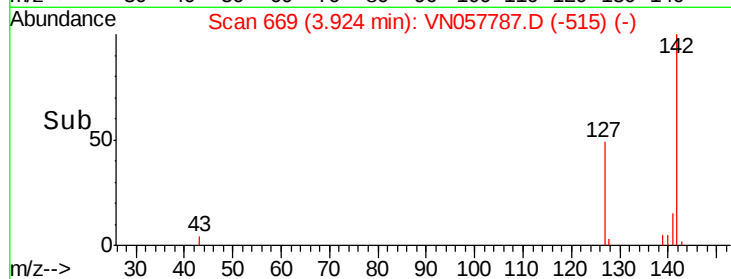
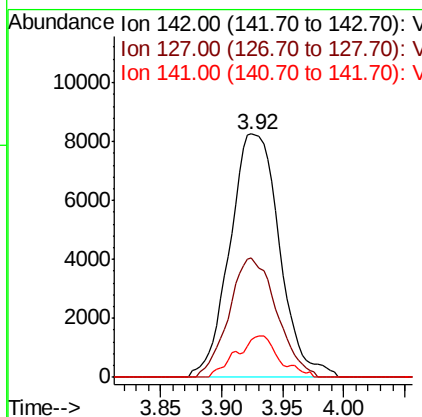
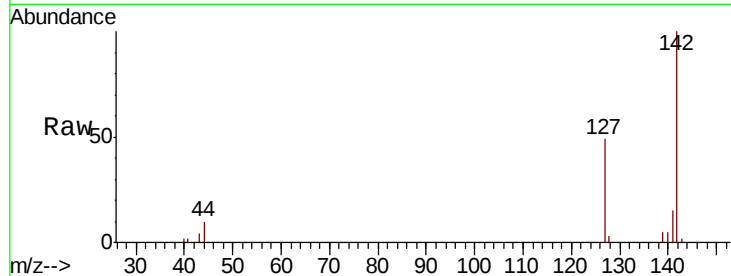
#11
Methyl Iodide
Concen: 4.825 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.01 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.0	23.3	69.8
141	15.2	7.5	22.6

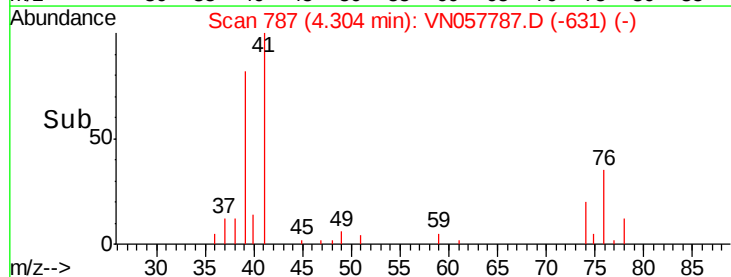
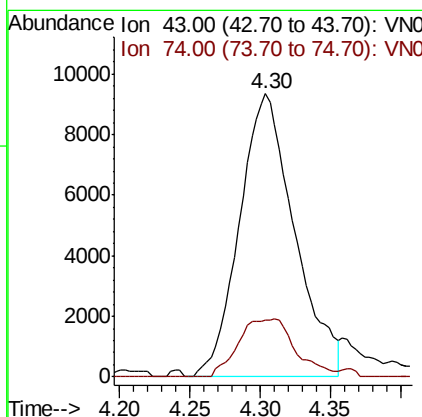
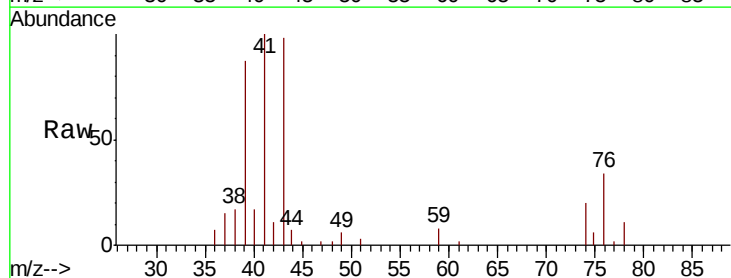
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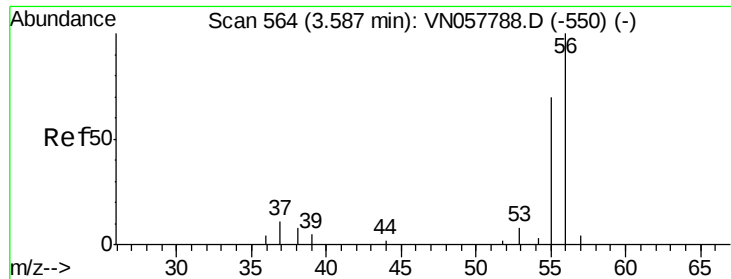
MMDadoda
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#12
Methyl Acetate
Concen: 5.153 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.2	24.4





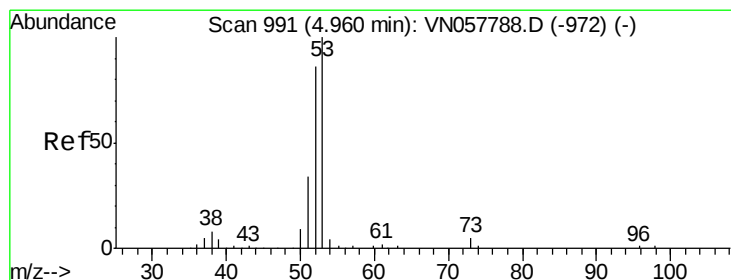
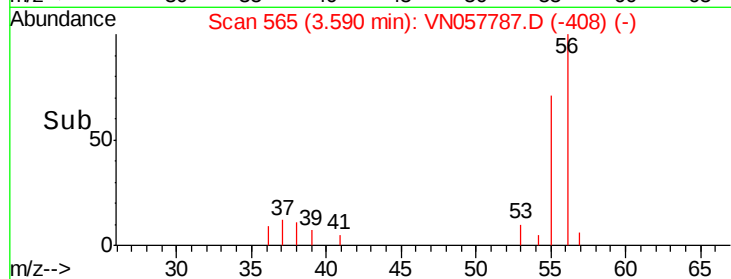
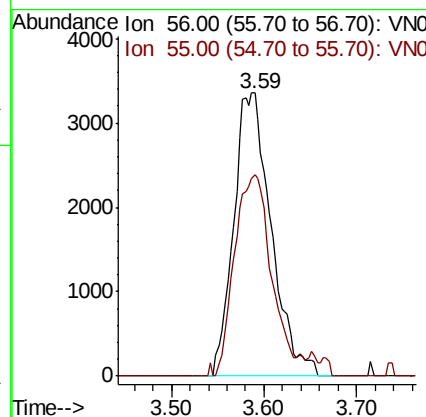
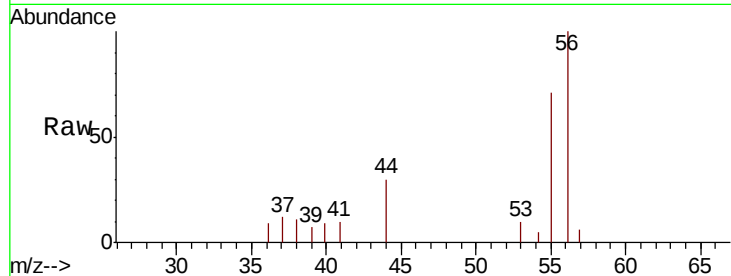
#13
Acrolein
Concen: 34.866 ug/l m
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 9362
Ion Ratio Lower Upper
56 100
55 69.3 59.0 88.4

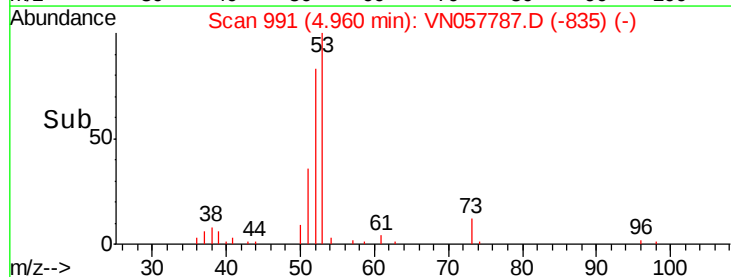
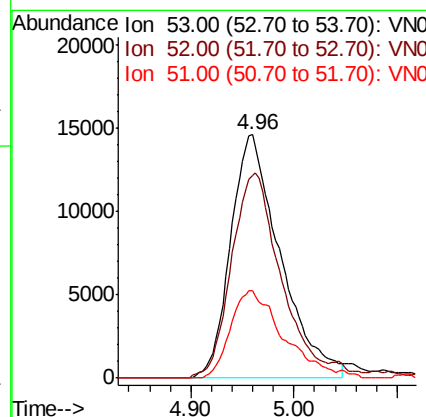
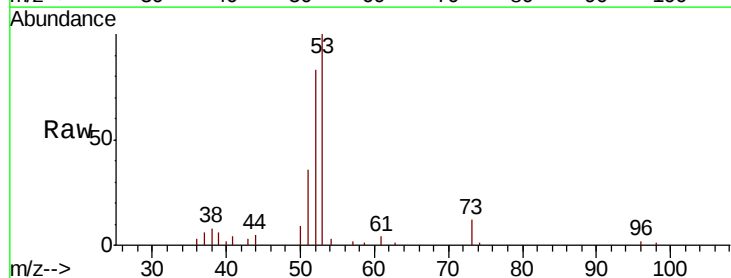
Manual Integrations
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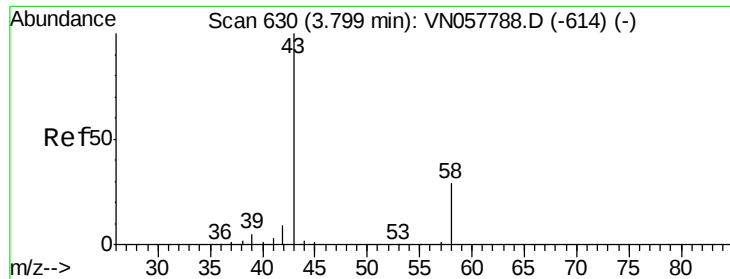
MMDadoda
9/13/2019 11:04:28 AM



#14
Acrylonitrile
Concen: 24.195 ug/l
RT: 4.96 min Scan# 991
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion: 53 Resp: 48812
Ion Ratio Lower Upper
53 100
52 82.9 41.0 123.0
51 22.0 8.6 25.8





#15

Acetone

Concen: 25.922 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Tgt Ion: 58 Resp: 14847

Ion Ratio Lower Upper

58 100

43 308.8 277.7 416.5

Instrument :

MSVOA_N

ClientSampleId :

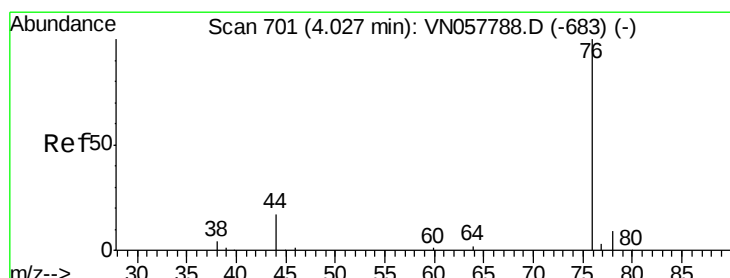
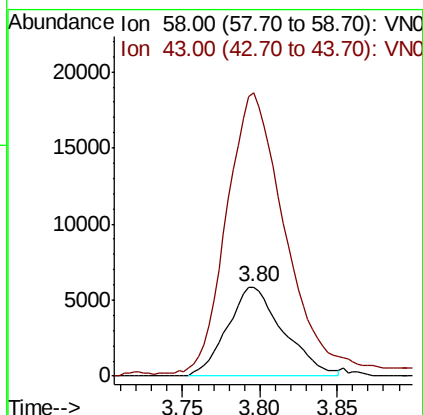
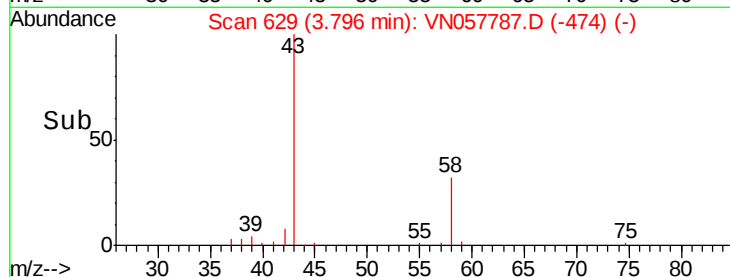
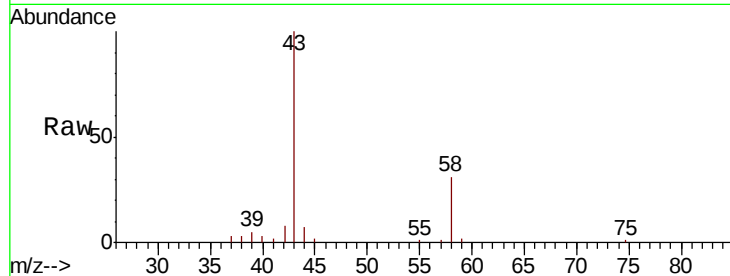
VSTDIC005

Manual Integrations

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#16

Carbon Disulfide

Concen: 5.137 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057787.D

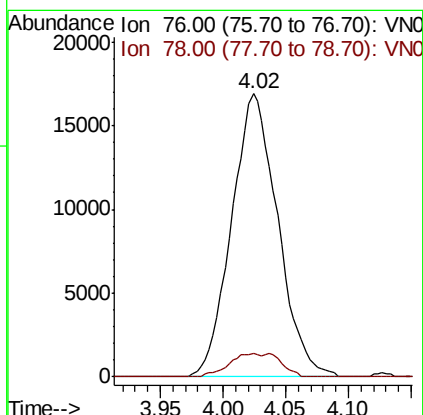
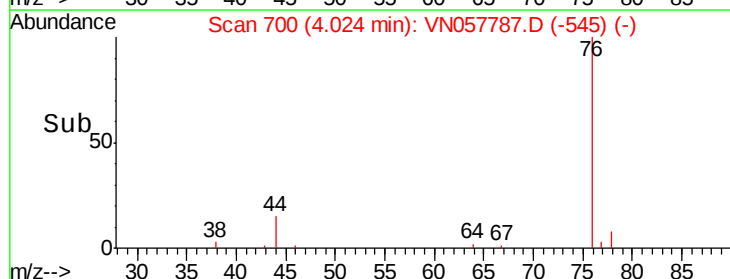
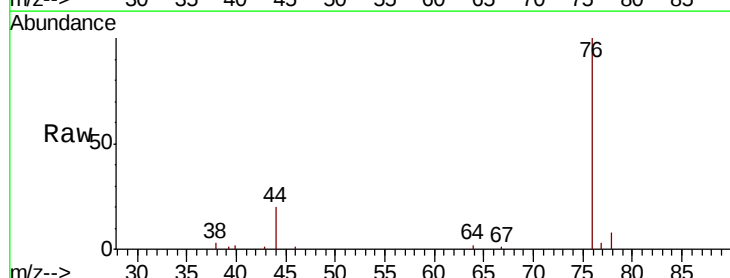
Acq: 9 Sep 2019 8:51

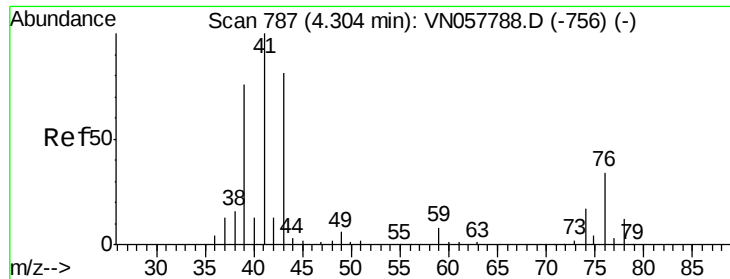
Tgt Ion: 76 Resp: 43138

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.0





#17

Allyl chloride

Concen: 4.927 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

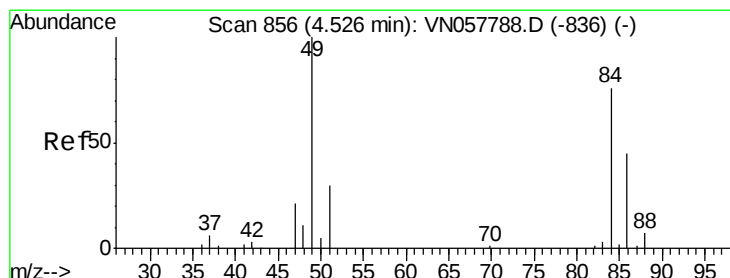
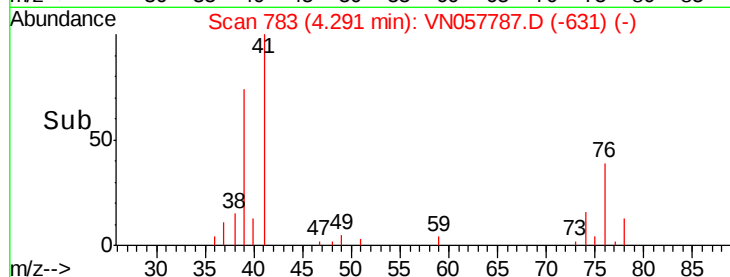
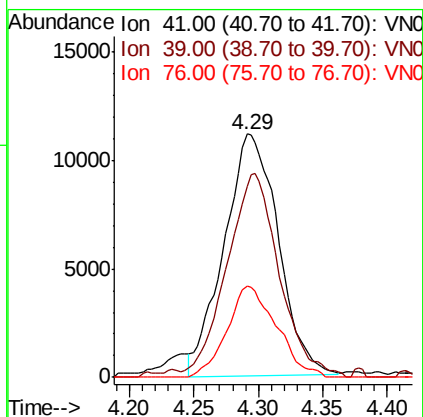
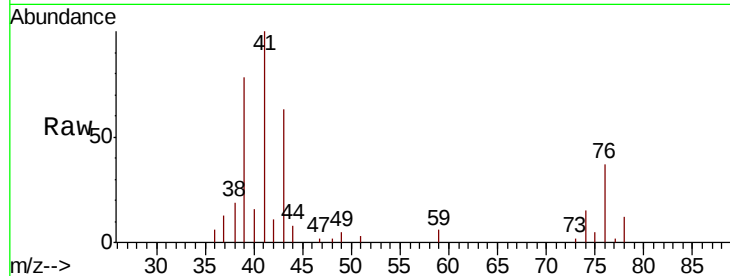
ClientSampleId :

VSTDIC005

Tgt Ion:	41	Resp:	32557
Ion	Ratio	Lower	Upper
41	100		
39	77.3	38.5	115.3
76	38.0	17.2	51.6

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#18

Methylene Chloride

Concen: 5.688 ug/l m

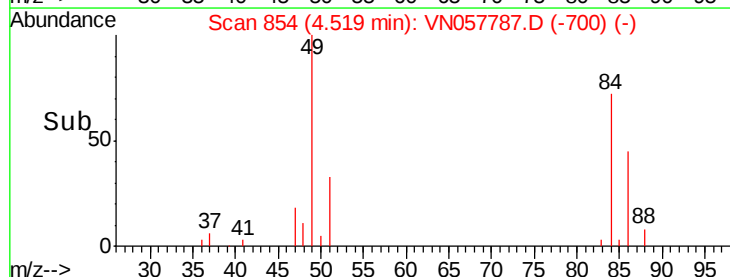
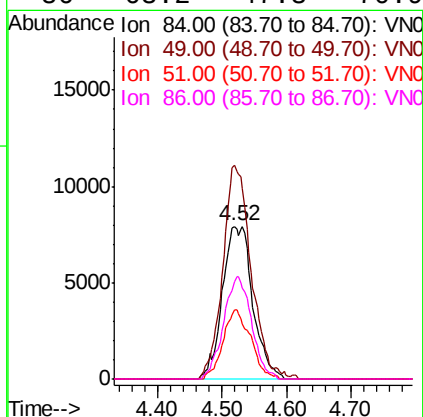
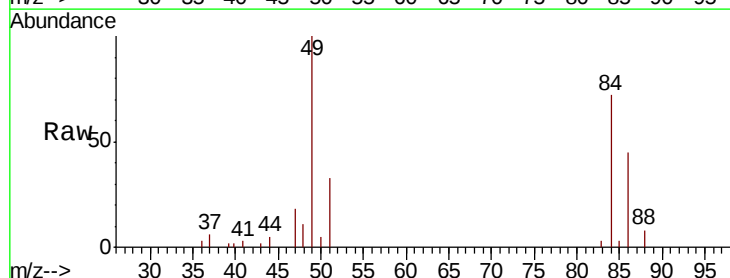
RT: 4.52 min Scan# 854

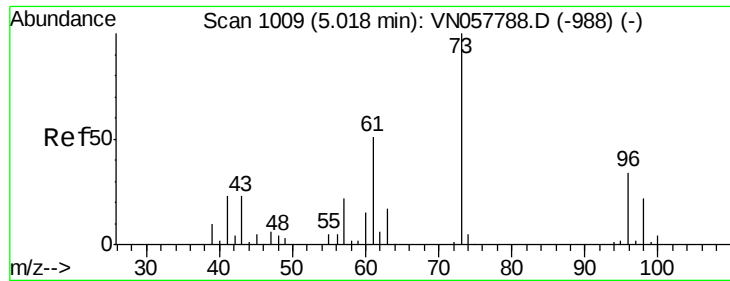
Delta R.T. -0.01 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Tgt Ion:	84	Resp:	25850
Ion	Ratio	Lower	Upper
84	100		
49	139.6	105.4	158.2
51	45.4	31.3	46.9
86	63.2	47.3	70.9





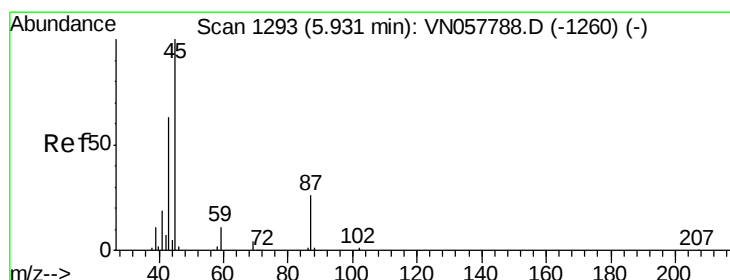
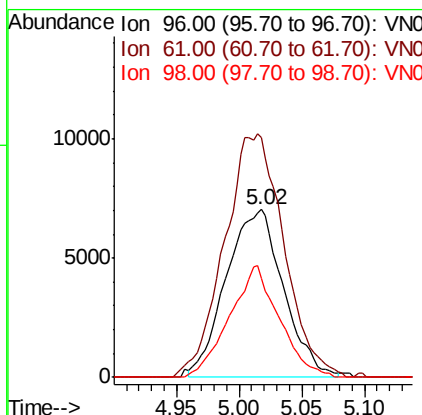
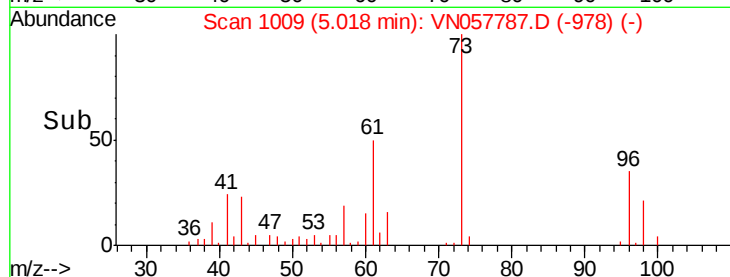
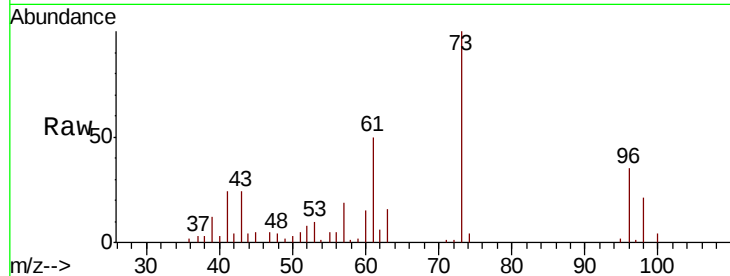
#19
trans-1,2-Dichloroethene
Concen: 5.568 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.2	121.0	181.6
98	60.4	52.7	79.1

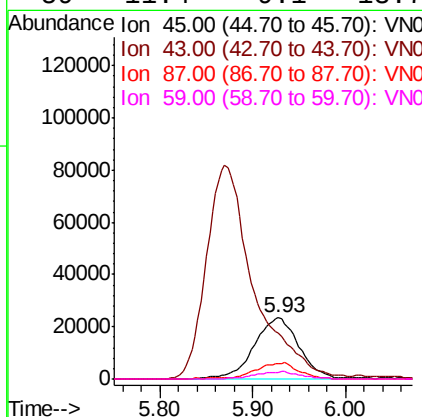
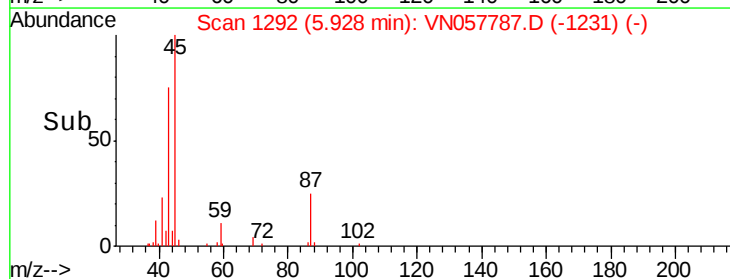
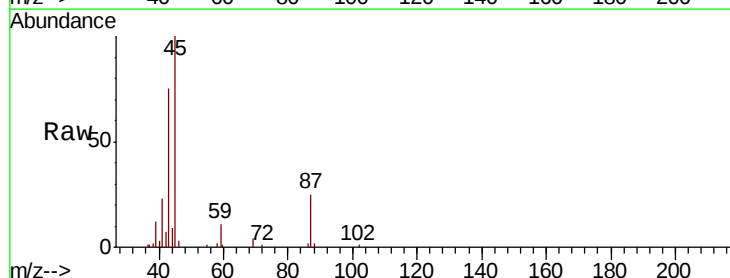
Manual Integrations
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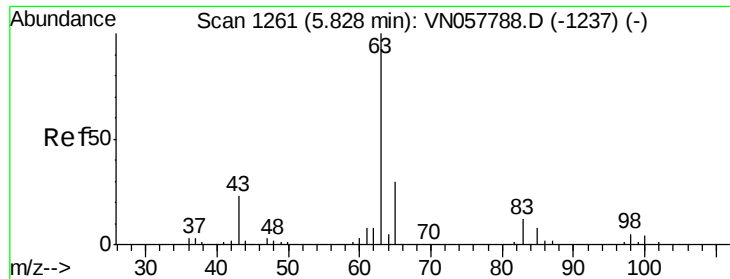
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#20
Diisopropyl ether
Concen: 5.121 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	55.2	82.8
87	24.7	21.3	31.9
59	11.4	9.1	13.7





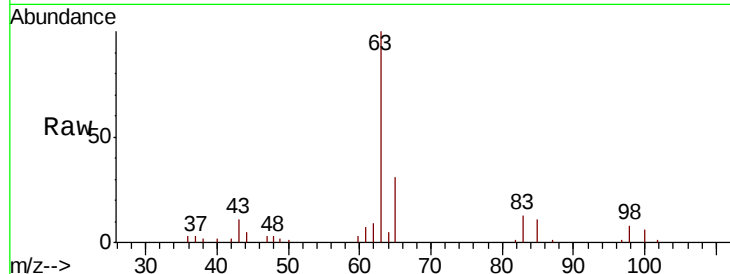
#21
 1,1-Dichloroethane
 Concen: 5.222 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

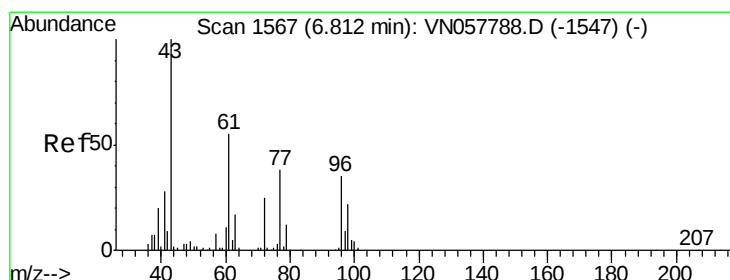
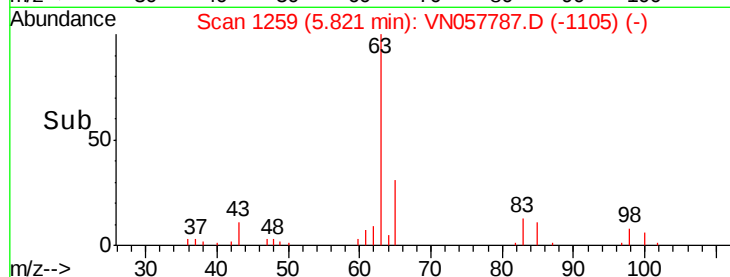
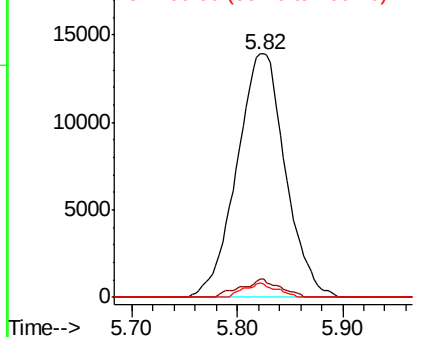
Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	7.5	2.8	8.3
100	5.8	1.8	5.5#

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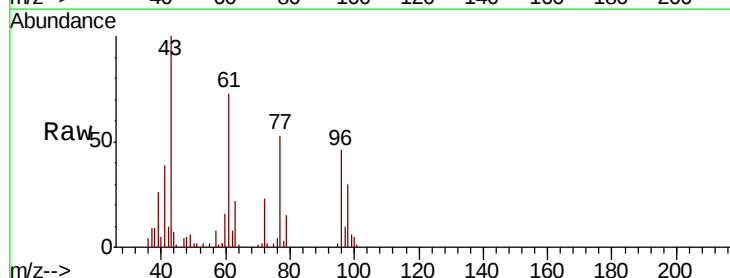


Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

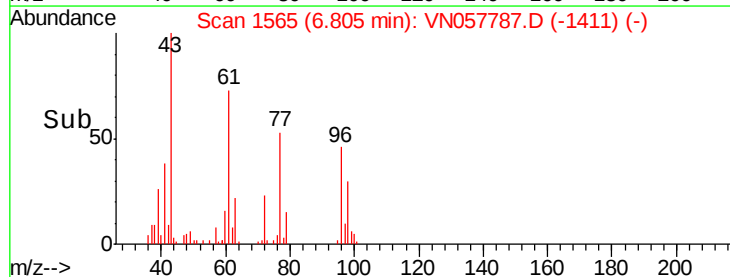
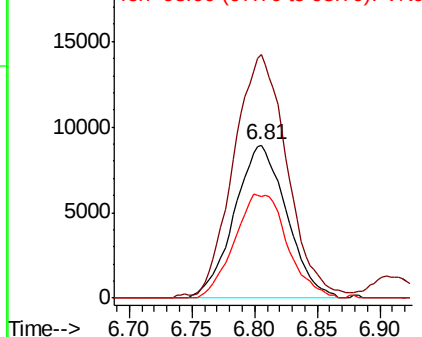


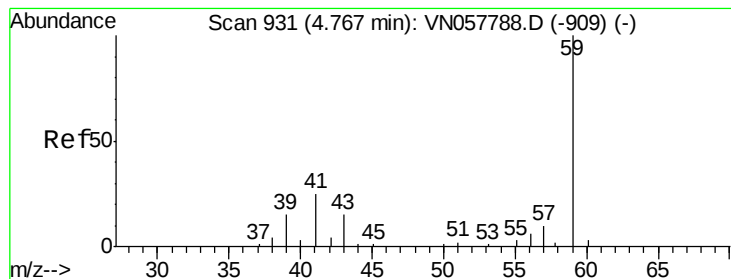
#22
 cis-1,2-Dichloroethene
 Concen: 5.273 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.2	127.4	191.0
98	36.5	51.5	77.3#



Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)





#23

tert-Butyl Alcohol

Concen: 23.557 ug/l m

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 59 Resp: 15515

Ion Ratio Lower Upper

59 100

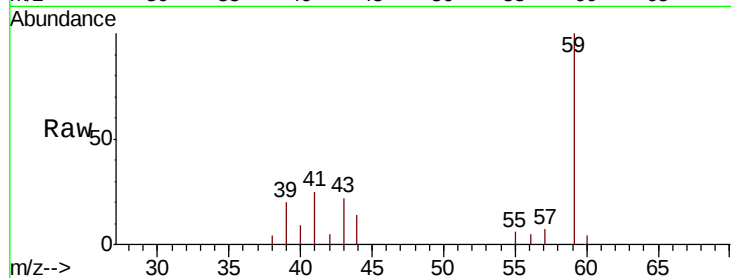
52 0.0 0.0 0.0

Manual Integrations

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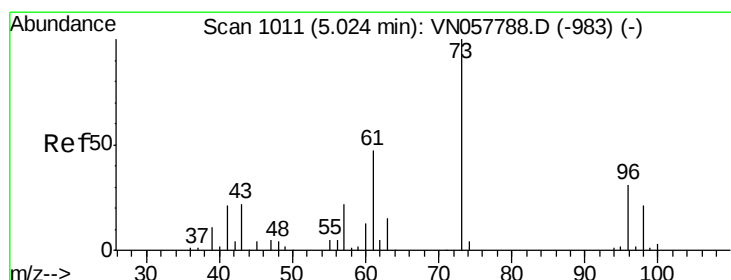
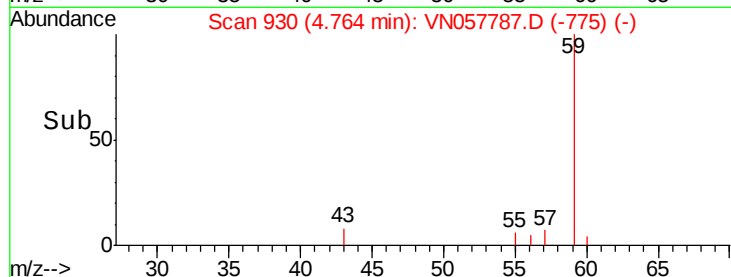
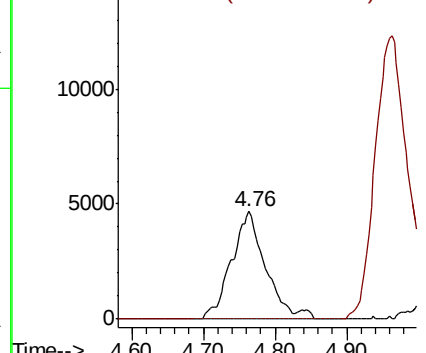
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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 5.240 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN057787.D

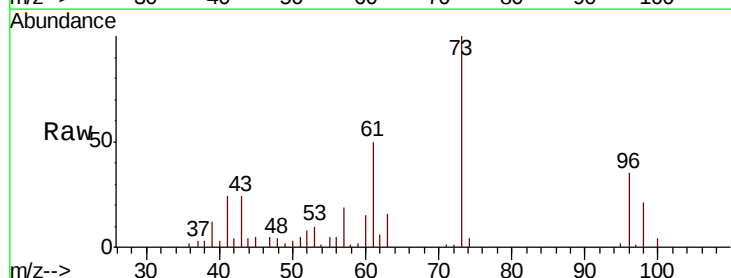
Acq: 9 Sep 2019 8:51

Tgt Ion: 73 Resp: 72414

Ion Ratio Lower Upper

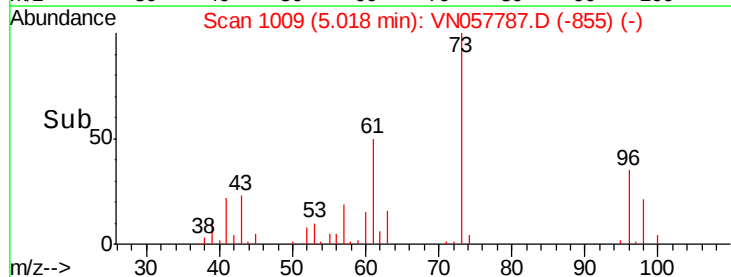
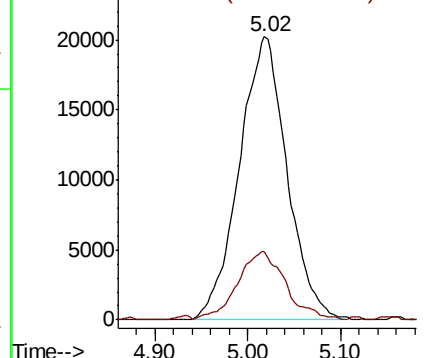
73 100

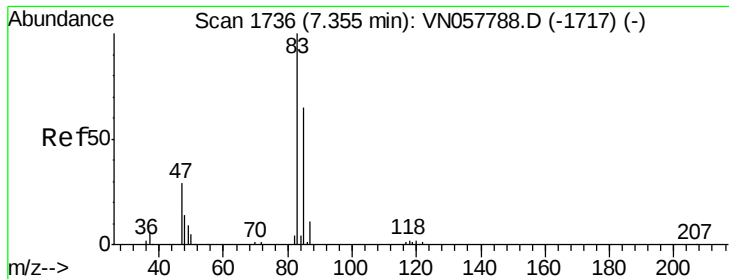
43 24.4 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 5.408 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 46899

Ion Ratio Lower Upper

83 100

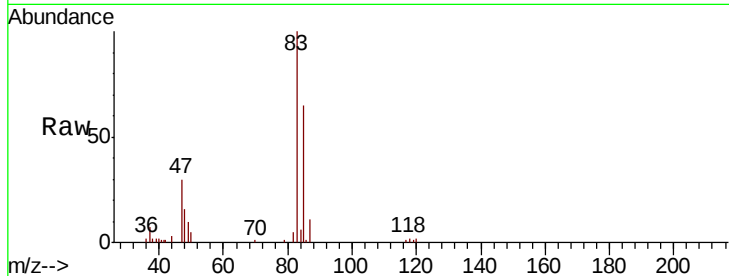
85 64.8 51.8 77.6

Manual Integrations

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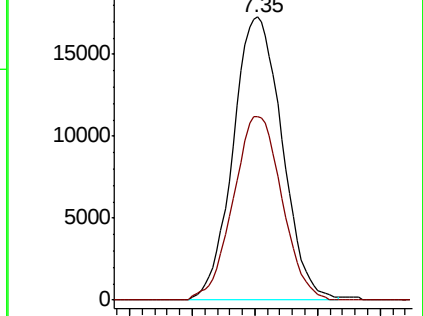
MMDadoda

9/13/2019 11:04:28 AM

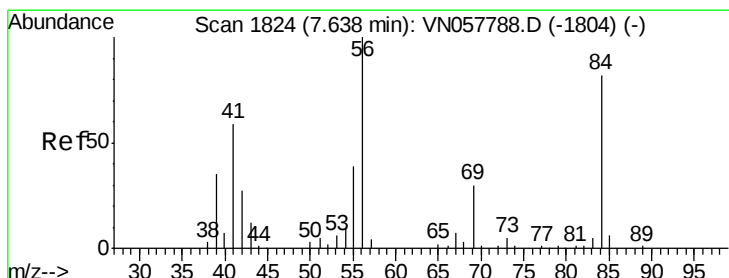
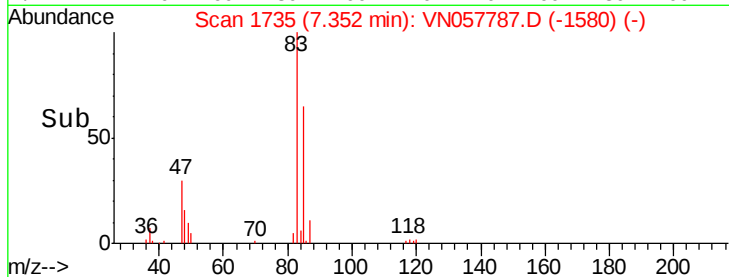


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



Time-->



#26

Cyclohexane

Concen: 5.300 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

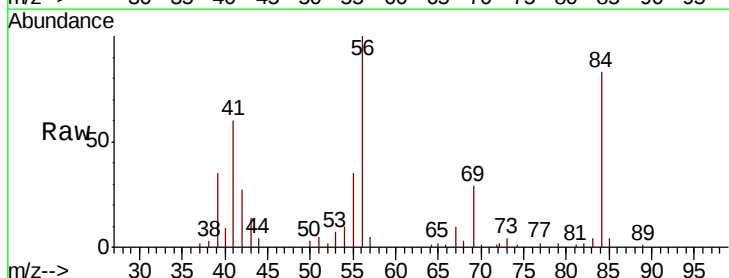
Tgt Ion: 56 Resp: 37932

Ion Ratio Lower Upper

56 100

89 0.4 0.3 0.5

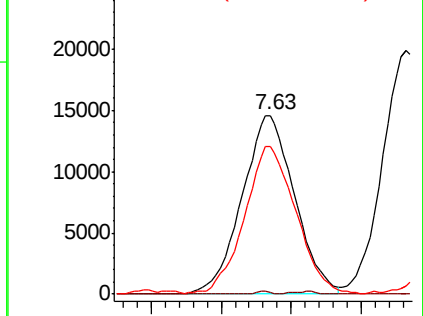
84 80.8 66.6 100.0



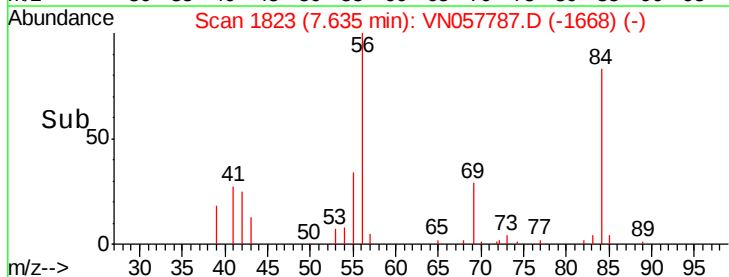
Abundance Ion 56.00 (55.70 to 56.70): VN0

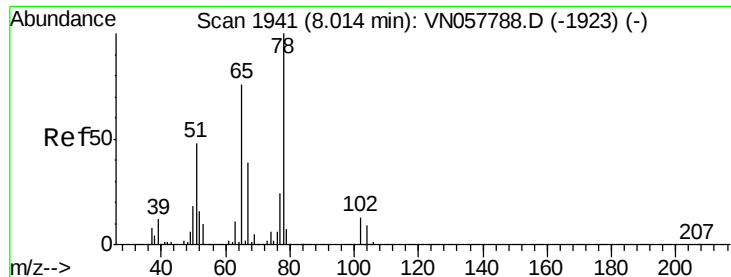
Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.867 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 186211

Ion Ratio Lower Upper

65 100

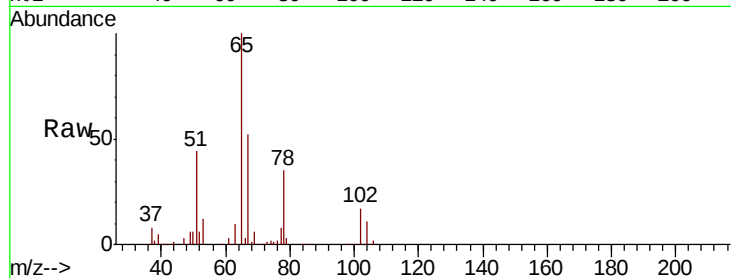
67 51.0 40.9 61.3

Manual Integrations

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MMDadoda

9/13/2019 11:04:28 AM



Abundance Ion 65.00 (64.70 to 65.70): VN057788.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN057788.D (-1923) (-)

8.01

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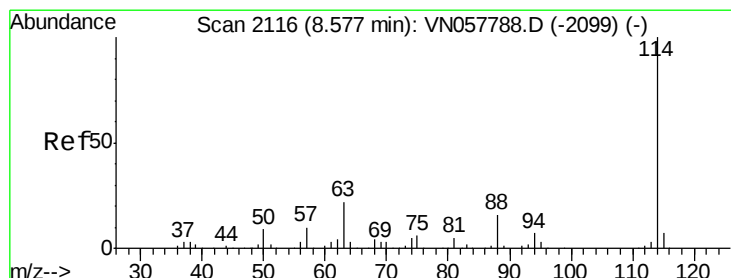
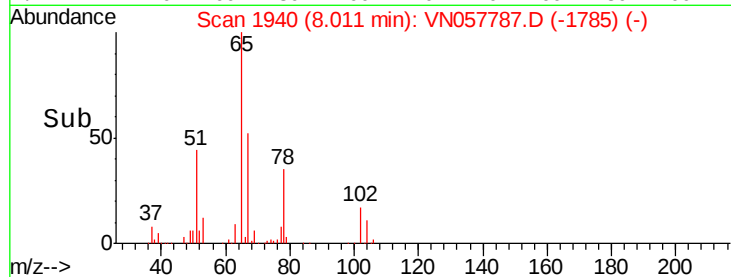
8.01

8.01

8.01

8.01

8.01



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

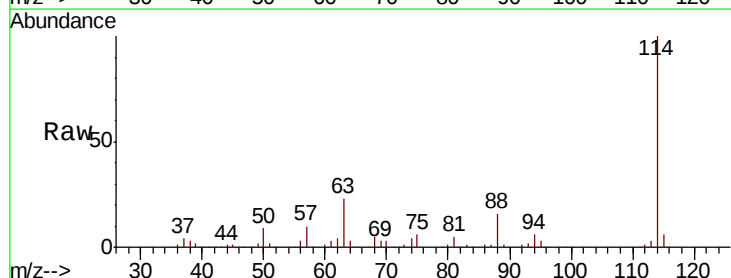
Tgt Ion: 114 Resp: 401111

Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

88 15.9 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): VN057788.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057788.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057788.D (-2099) (-)

8.57

8.57

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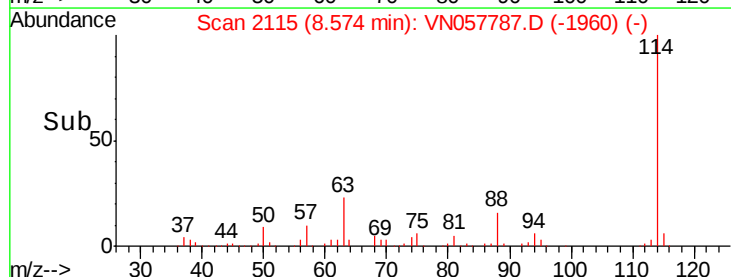
8.57

8.57

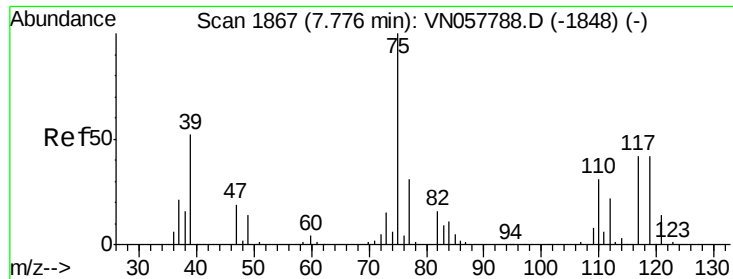
8.57

8.57

8.57



Time-->



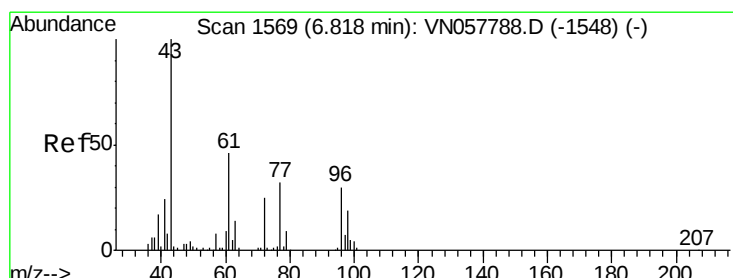
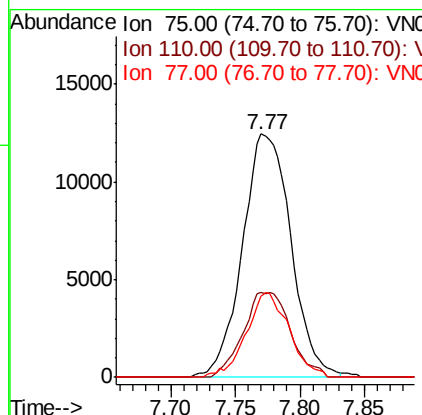
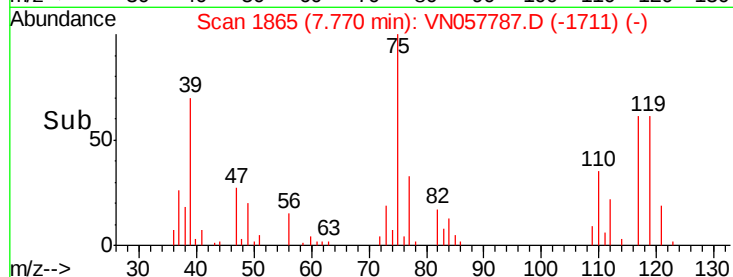
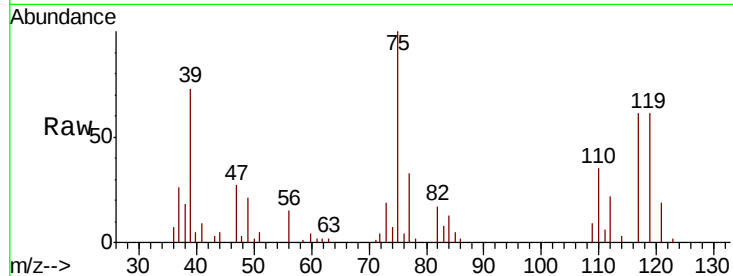
#29
 1,1-Dichloropropene
 Concen: 5.174 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	17.0	0.0	63.8
77	29.8	0.0	60.0

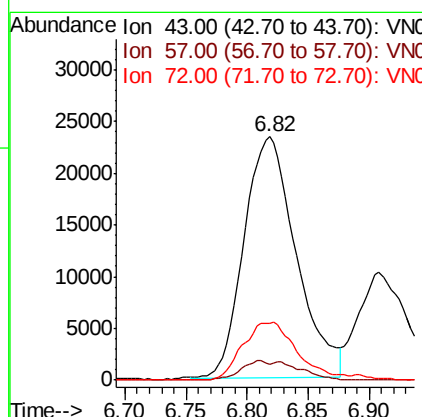
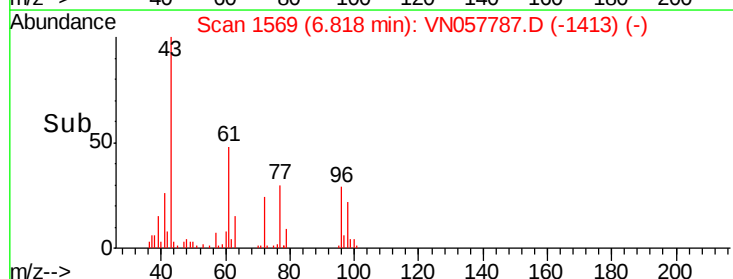
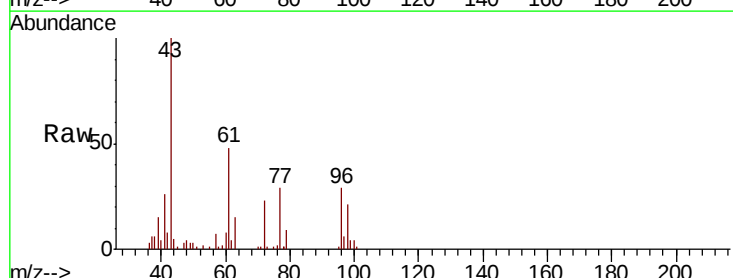
Manual Integrations
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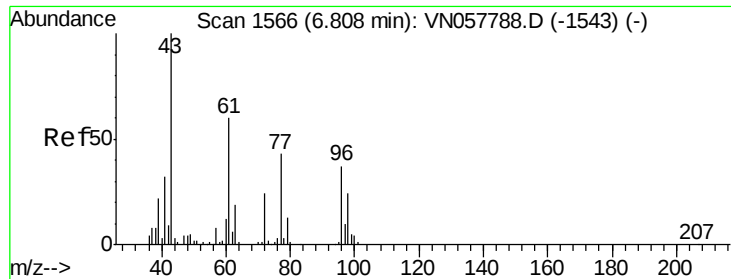
MMDadoda
 9/13/2019 11:04:28 AM



#30
 2-Butanone
 Concen: 24.404 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	4.3	6.4	9.6#
72	11.0	20.3	30.5#





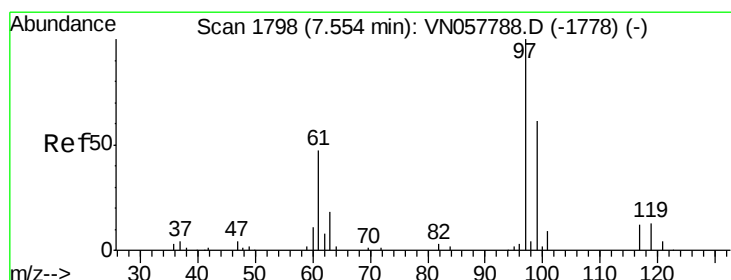
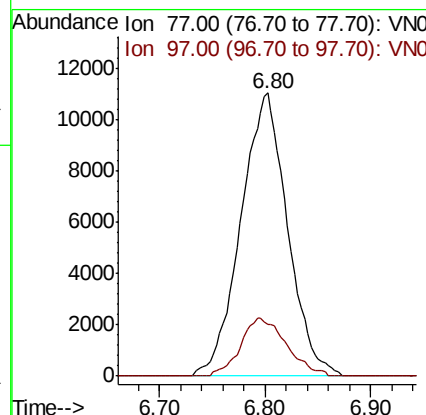
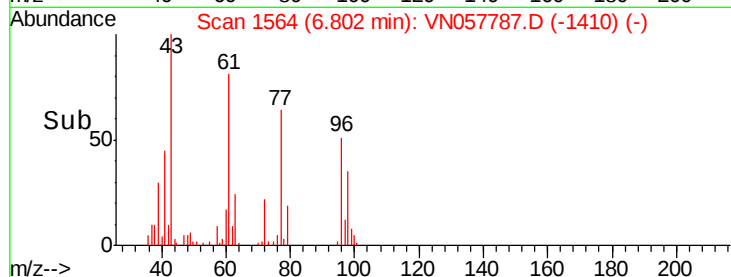
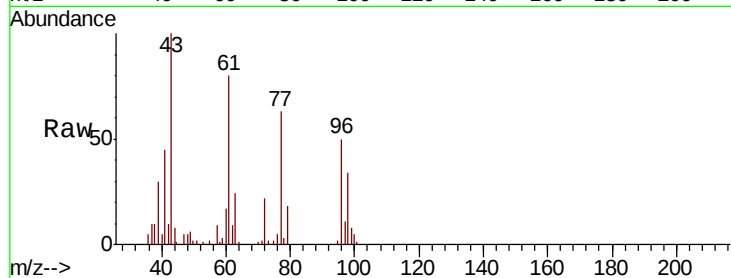
#31
 2,2-Dichloropropane
 Concen: 5.099 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 77 Resp: 33968
 Ion Ratio Lower Upper
 77 100
 97 11.6 17.7 26.5#

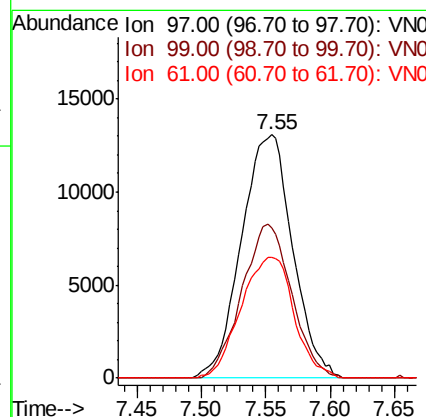
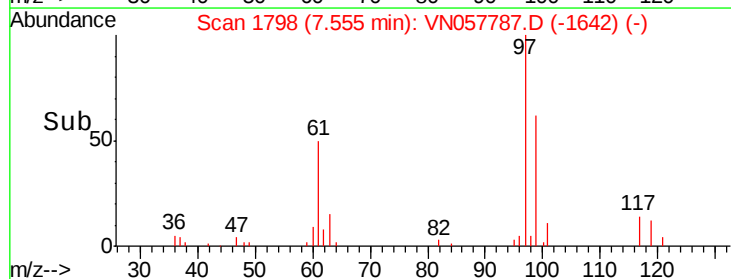
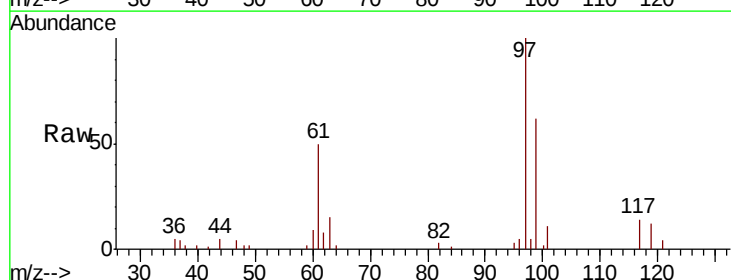
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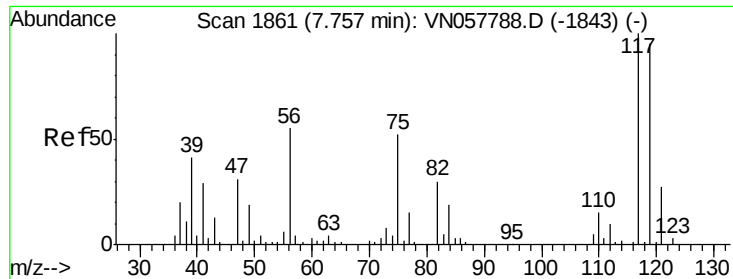
MMDadoda
 9/13/2019 11:04:28 AM



#32
 1,1,1-Trichloroethane
 Concen: 5.111 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion: 97 Resp: 36263
 Ion Ratio Lower Upper
 97 100
 99 61.3 49.8 74.8
 61 51.3 38.7 58.1





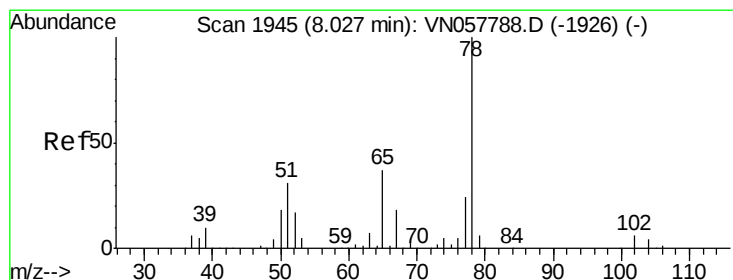
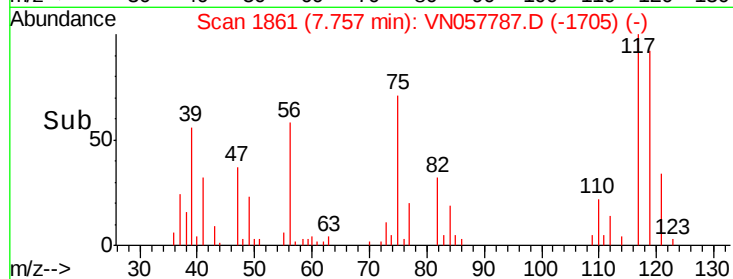
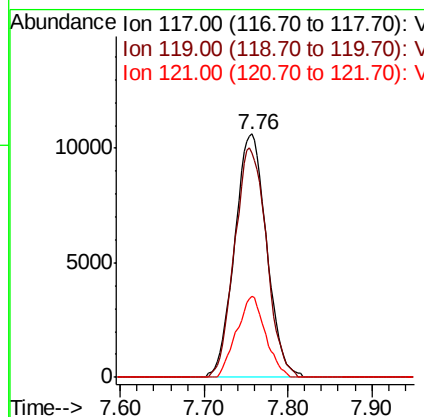
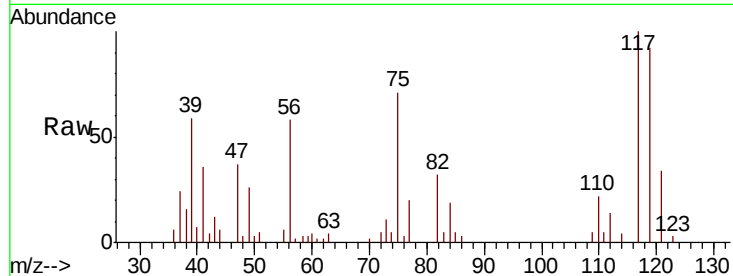
#33
Carbon Tetrachloride
Concen: 4.864 ug/l m
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.7	113.5
121	33.5	21.7	32.5#

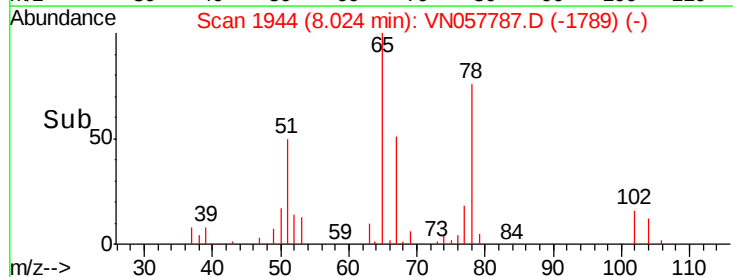
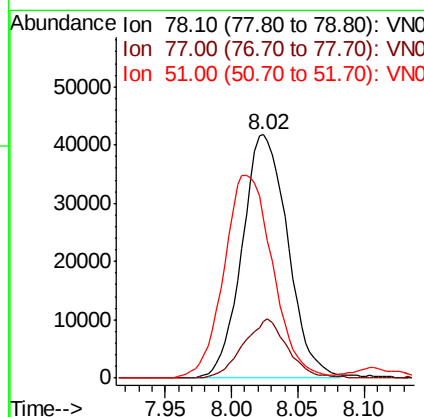
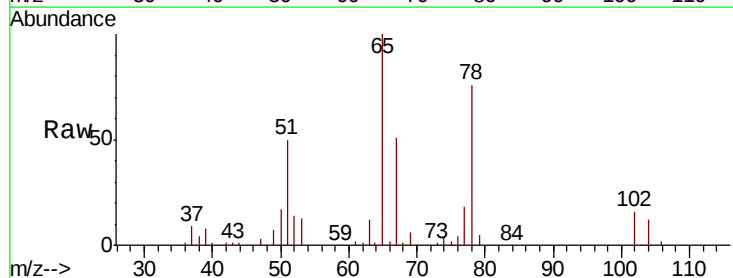
Manual Integrations
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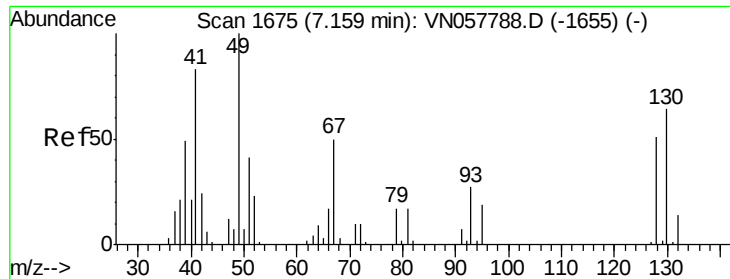
MMDadoda
9/13/2019 11:04:28 AM



#34
Benzene
Concen: 5.351 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8
51	63.9	24.9	37.3#





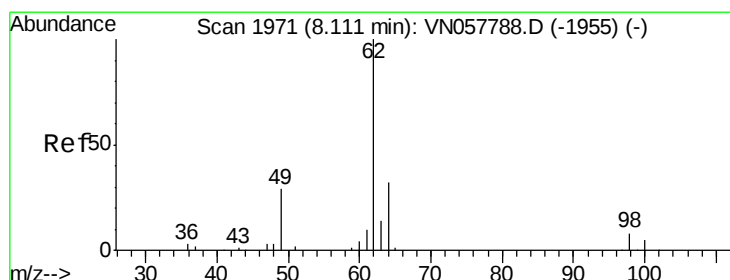
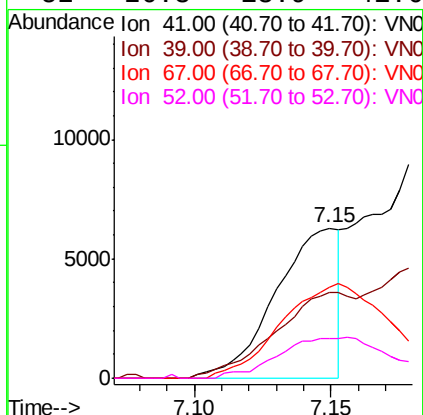
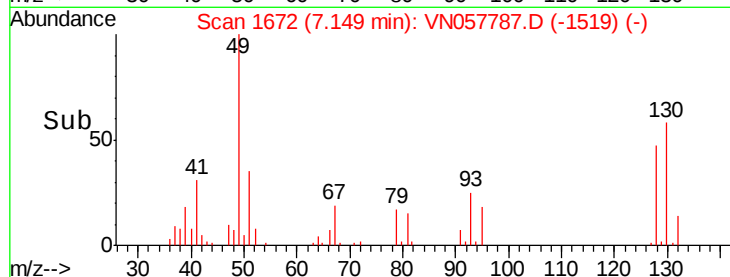
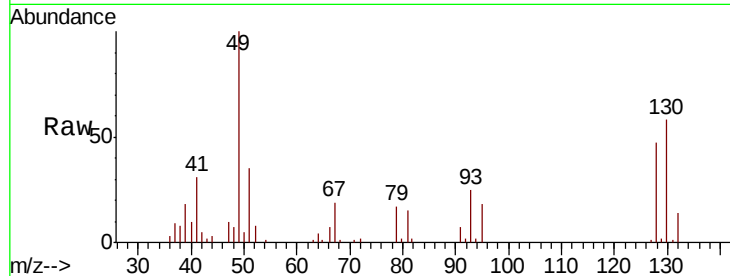
#35
Methacrylonitrile
Concen: 3.921 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.9	29.8	89.5
67	60.9	30.0	90.1
52	26.3	13.9	41.6

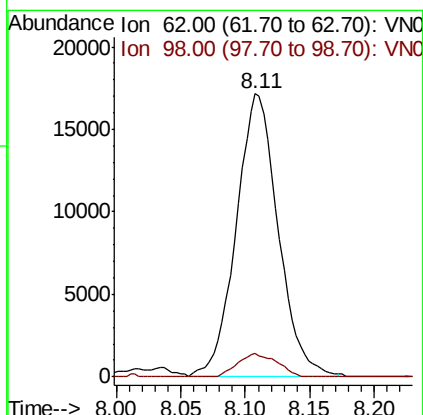
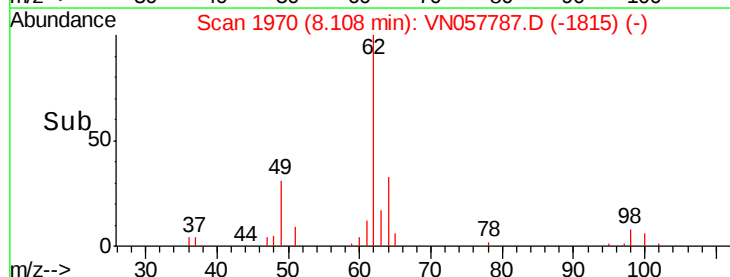
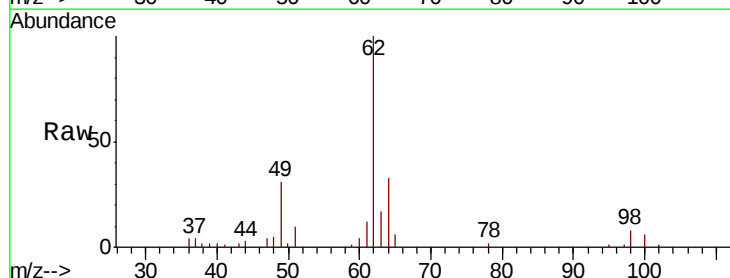
Manual Integrations
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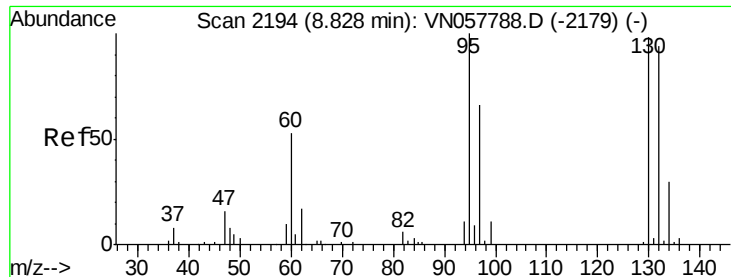
MMDadoda
9/13/2019 11:04:28 AM



#36
1,2-Dichloroethane
Concen: 5.362 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.6	9.8





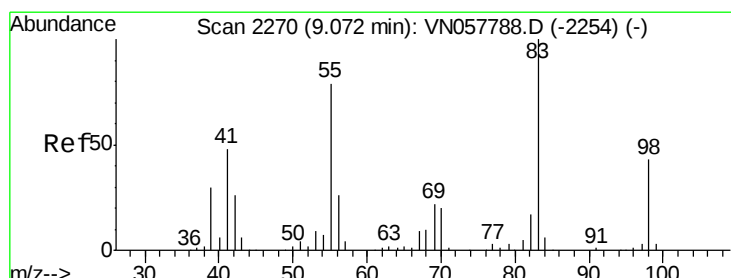
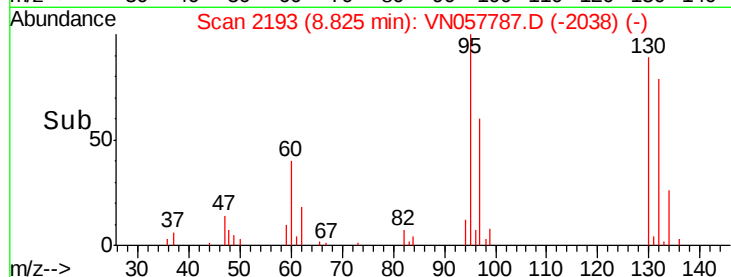
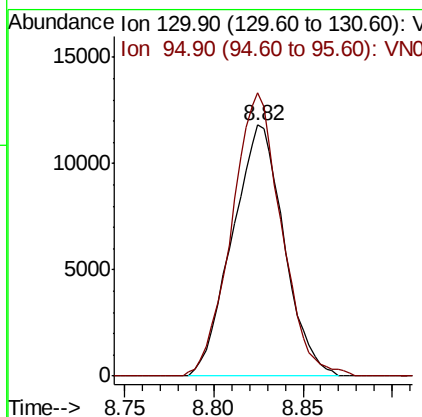
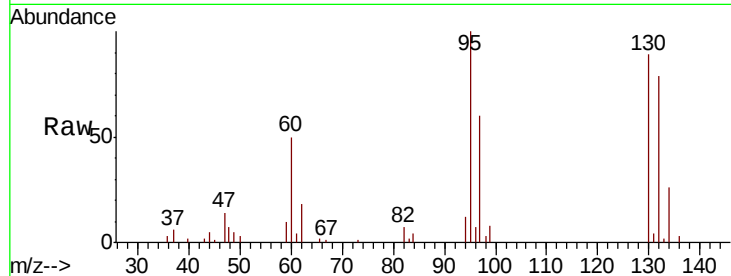
#37
 Trichloroethene
 Concen: 5.270 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 23932
 Ion Ratio Lower Upper
 130 100
 95 111.2 81.9 122.9

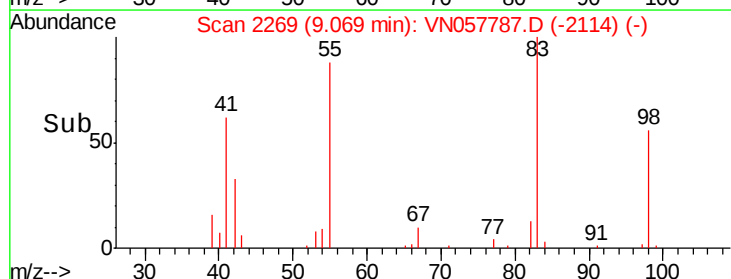
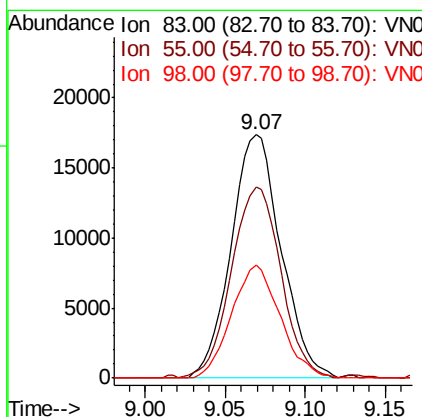
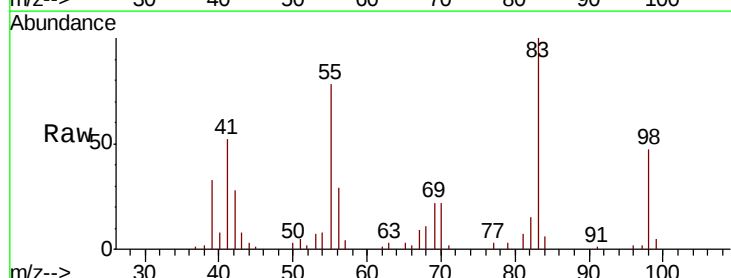
Manual Integrations
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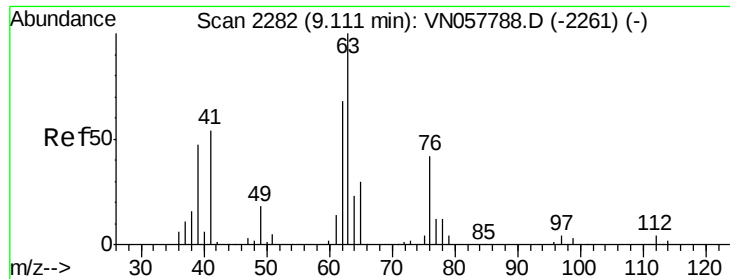
MMDadoda
 9/13/2019 11:04:28 AM



#38
 Methylcyclohexane
 Concen: 5.177 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion: 83 Resp: 37198
 Ion Ratio Lower Upper
 83 100
 55 77.7 39.6 118.7
 98 45.1 21.8 65.4





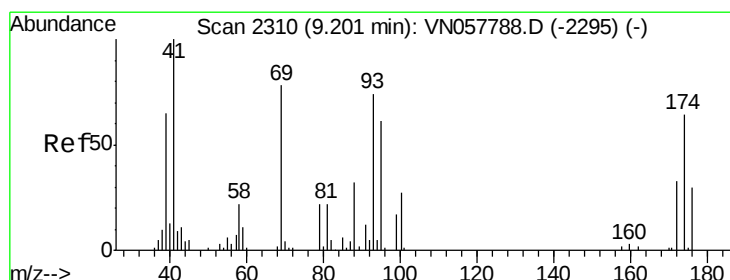
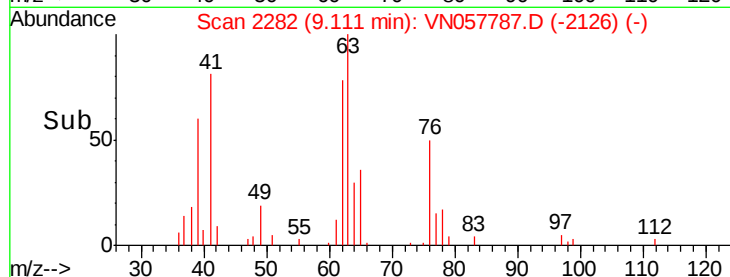
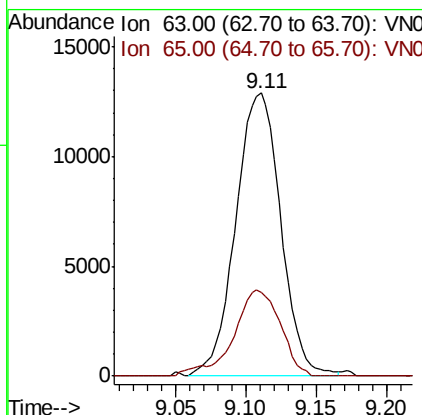
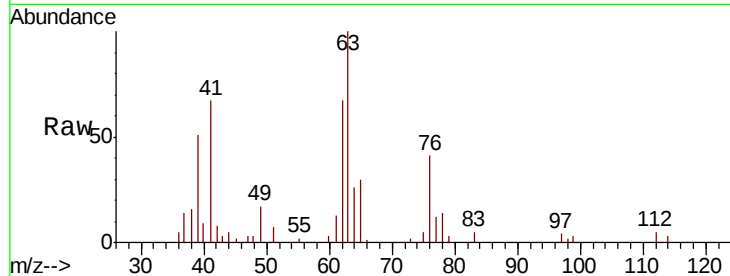
#39
 1,2-Dichloropropane
 Concen: 5.501 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 28882
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.6 35.4

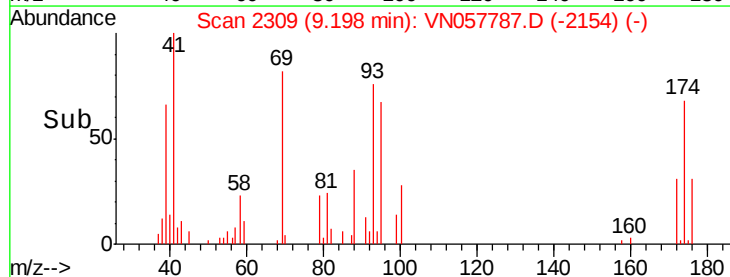
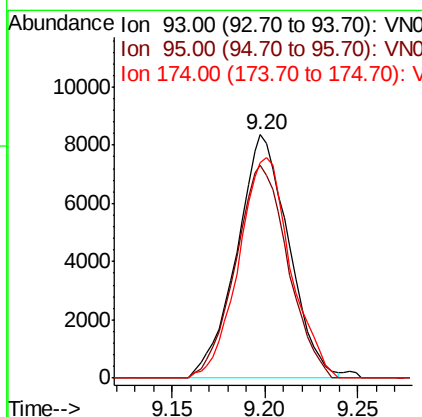
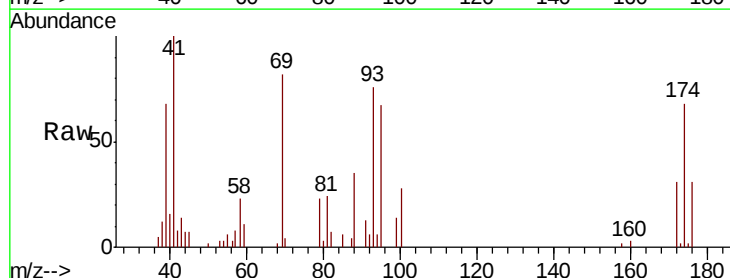
Manual Integrations
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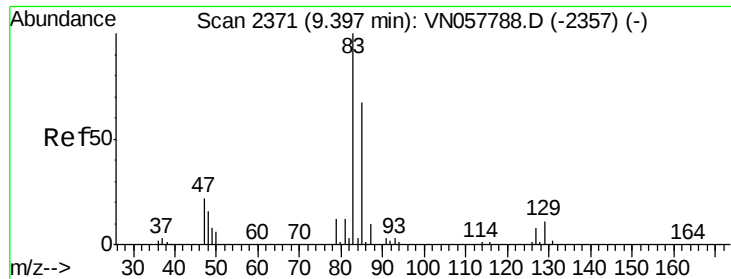
MMDadoda
 9/13/2019 11:04:28 AM



#40
 Dibromomethane
 Concen: 5.105 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion: 93 Resp: 16302
 Ion Ratio Lower Upper
 93 100
 95 88.3 0.0 163.0
 174 90.5 0.0 171.4





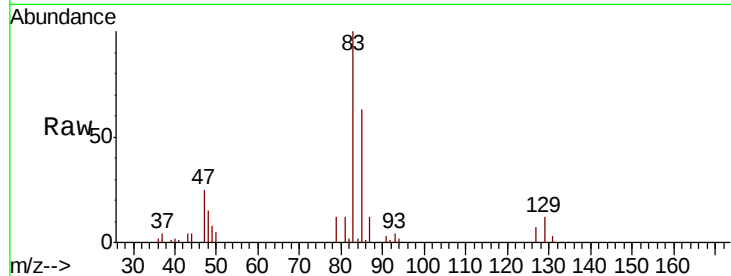
#41
Bromodichloromethane
Concen: 4.862 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

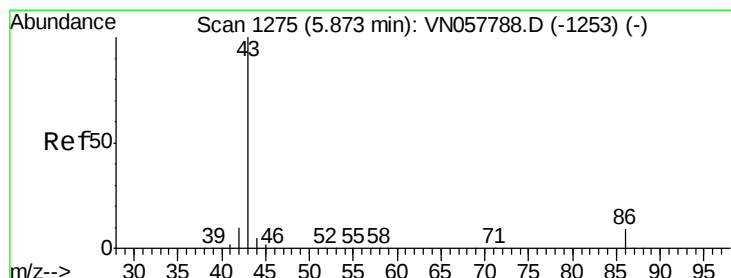
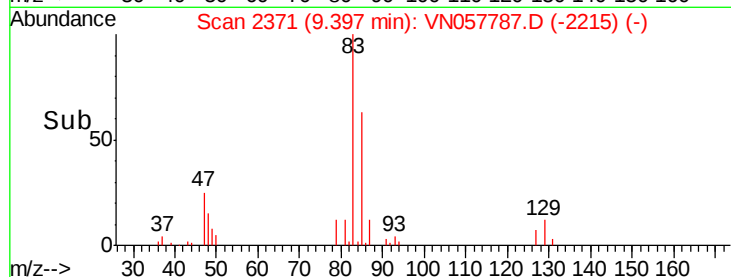
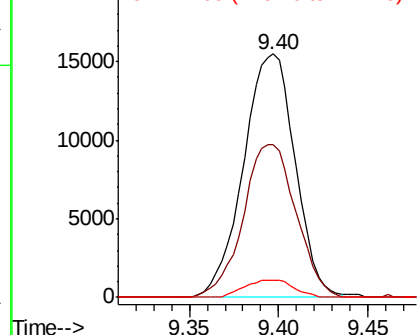
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	53.4	80.0
127	7.1	6.6	10.0

Manual Integrations
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MMDadoda
9/13/2019 11:04:28 AM

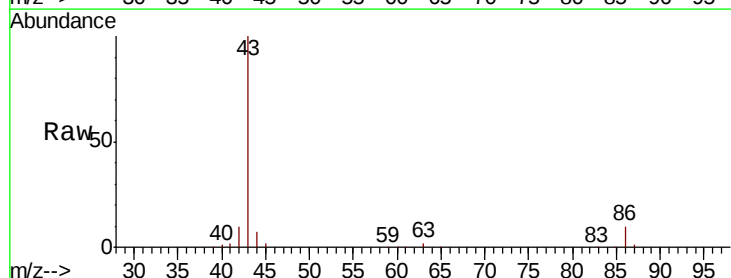


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

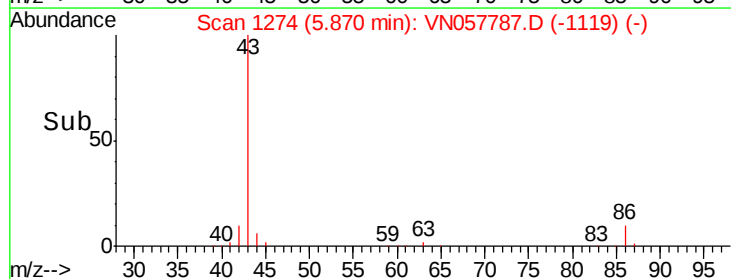
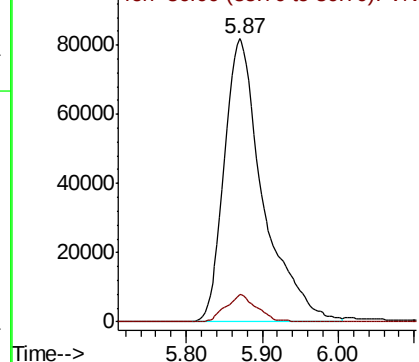


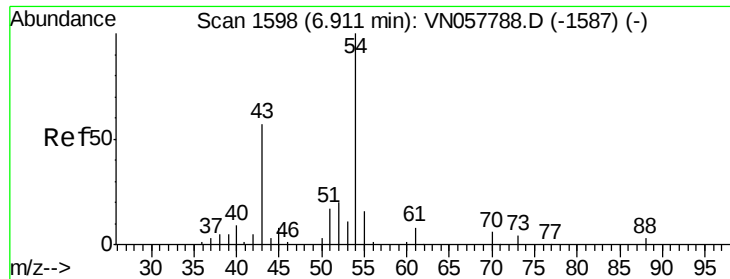
#42
Vinyl Acetate
Concen: 25.280 ug/l
RT: 5.87 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.3	9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





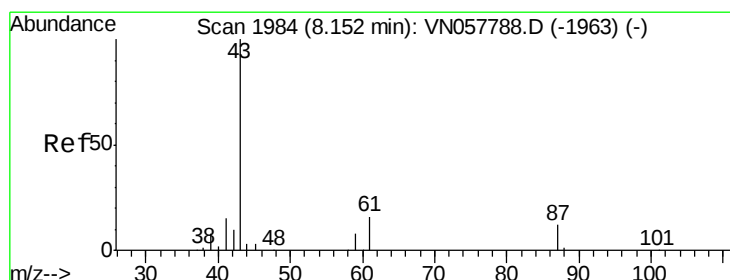
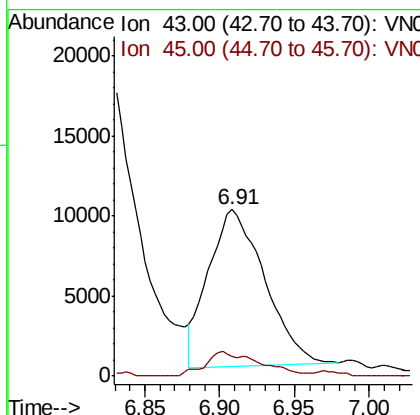
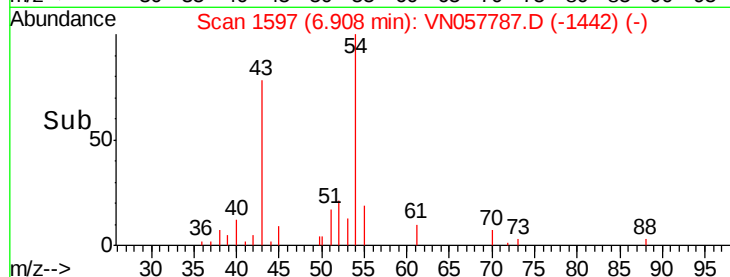
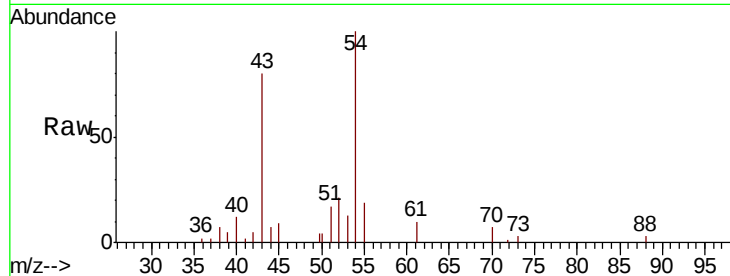
#43
Ethyl Acetate
Concen: 4.364 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 25612
Ion Ratio Lower Upper
43 100
45 4.6 5.4 8.0#

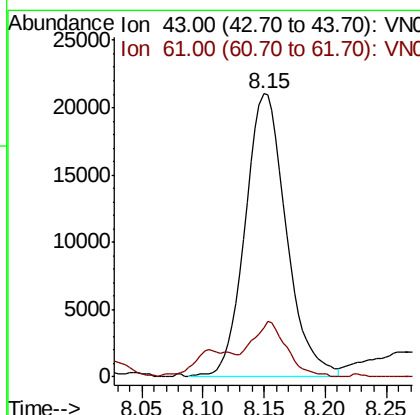
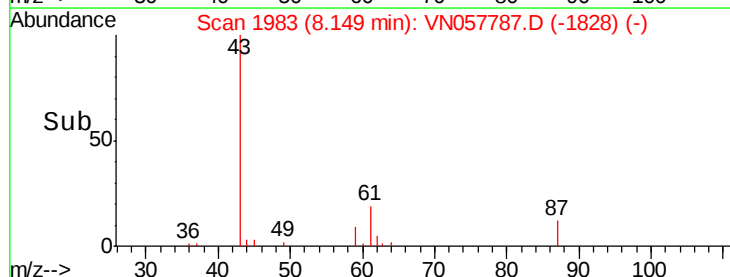
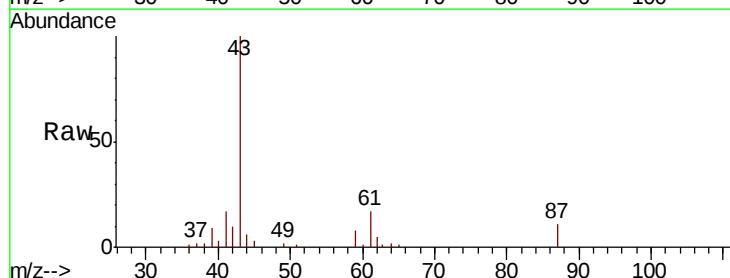
Manual Integrations
APPROVED

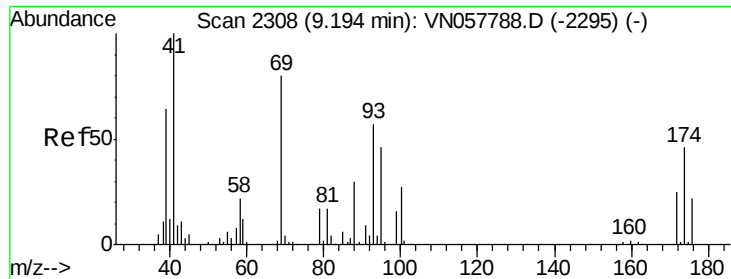
MMDadoda
9/13/2019 11:04:28 AM



#44
Isopropyl Acetate
Concen: 4.837 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion: 43 Resp: 49156
Ion Ratio Lower Upper
43 100
61 16.6 0.1 0.1#





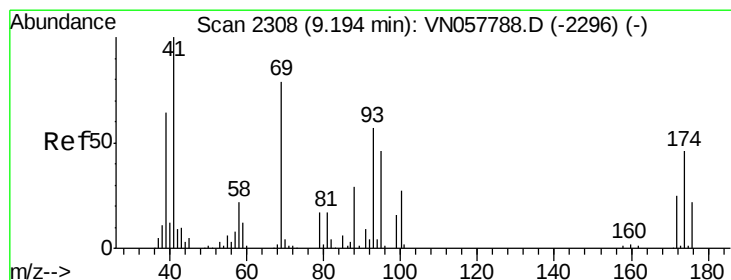
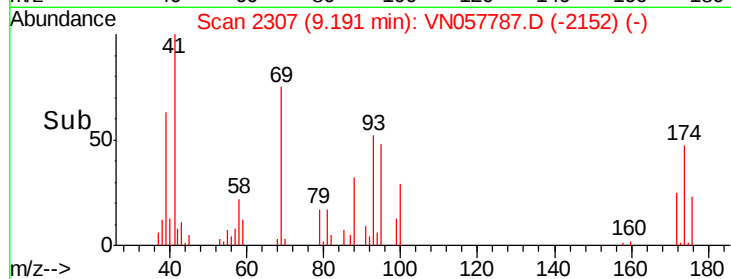
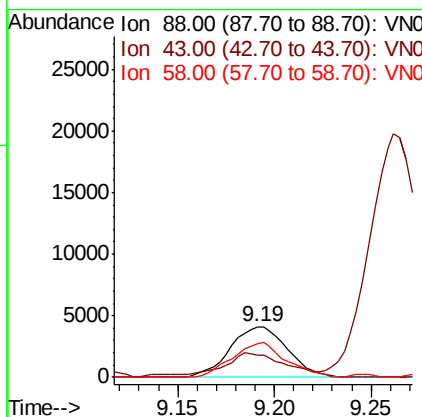
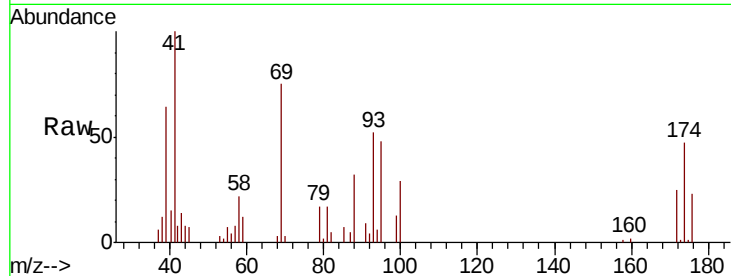
#45
 1,4-Dioxane
 Concen: 106.513 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.3	28.2	42.4
58	64.4	58.5	87.7

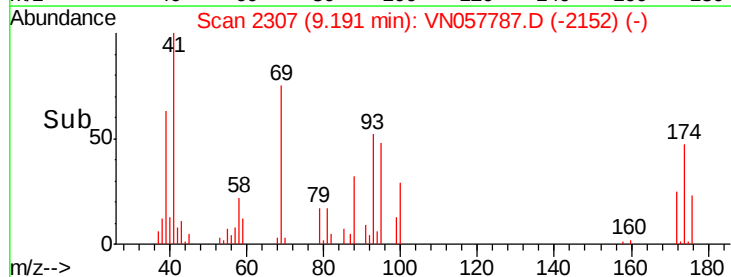
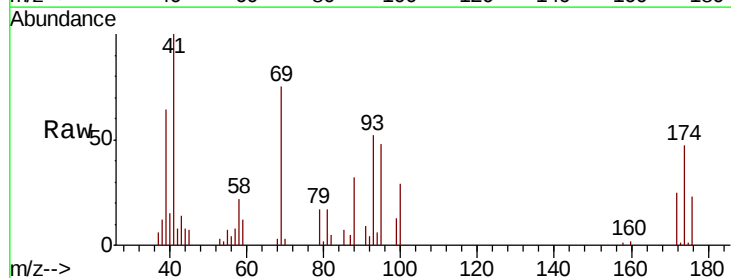
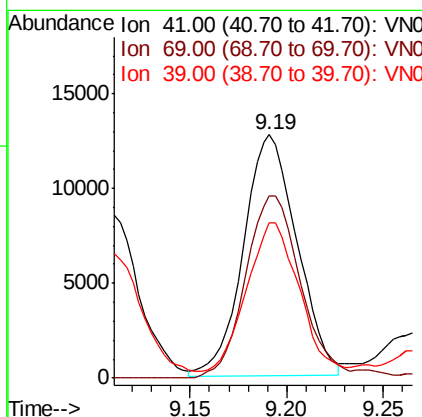
Manual Integrations
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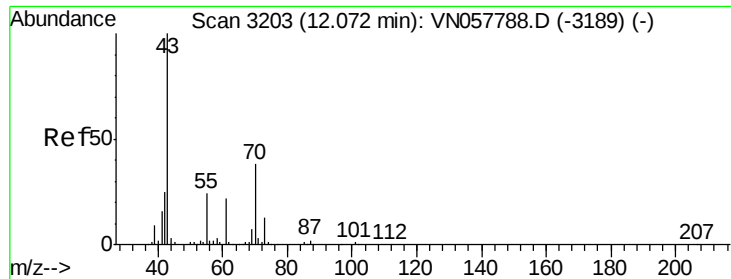
MMDadoda
 9/13/2019 11:04:28 AM



#46
 Methyl methacrylate
 Concen: 4.972 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.8	39.6	119.0
39	62.2	31.9	95.7





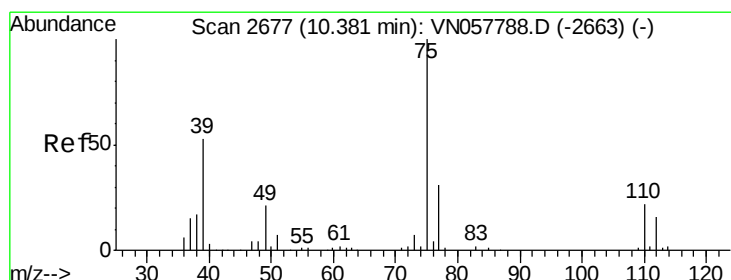
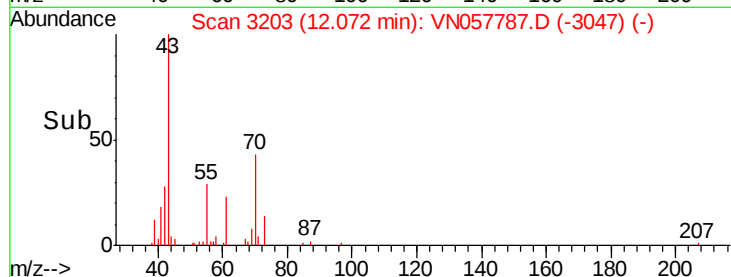
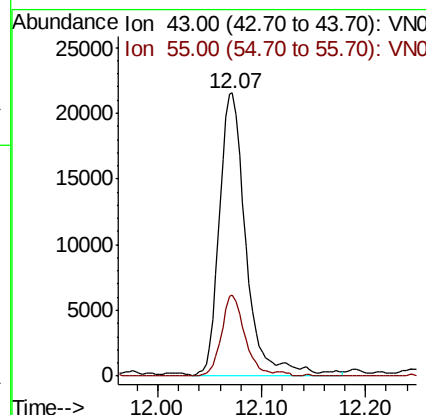
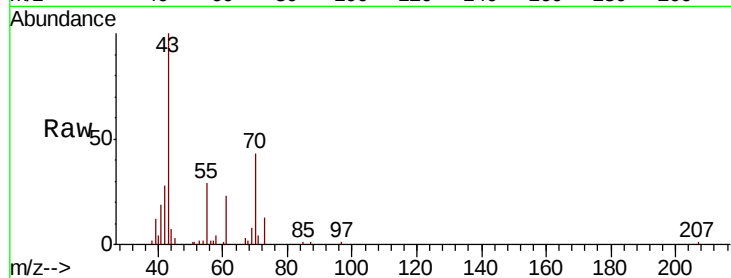
#47
n-amyl Acetate
Concen: 4.186 ug/l m
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 38898
Ion Ratio Lower Upper
43 100
55 24.9 18.3 27.5

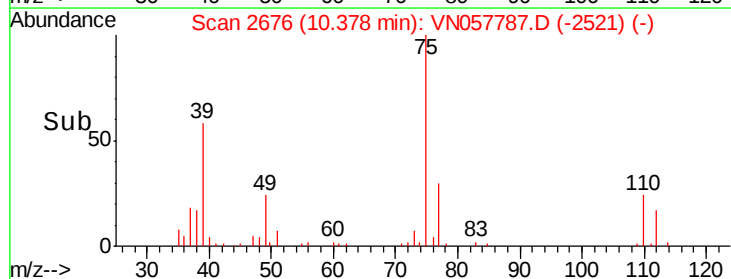
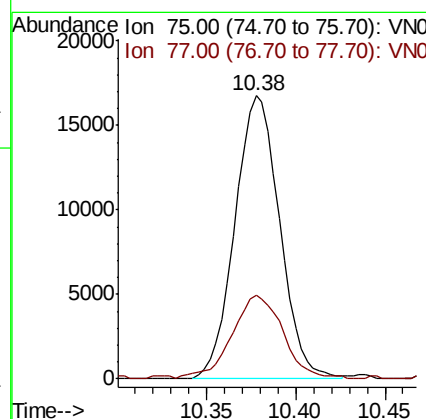
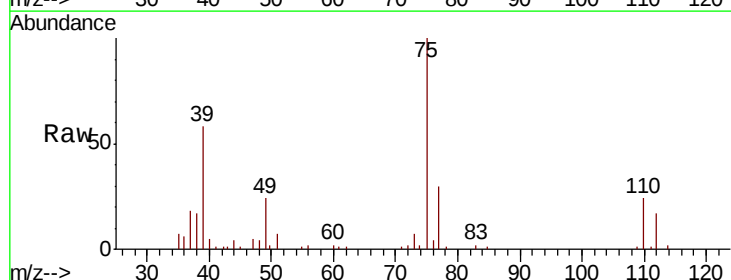
Manual Integrations
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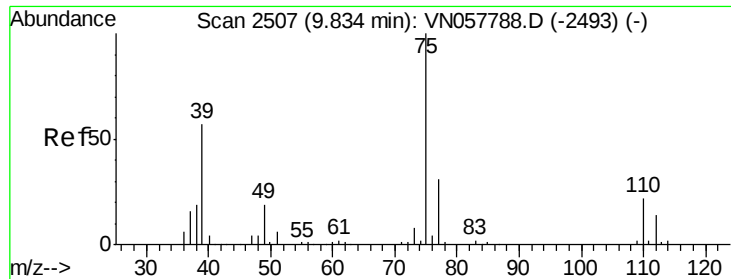
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 4.269 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion: 75 Resp: 29262
Ion Ratio Lower Upper
75 100
77 28.7 24.9 37.3





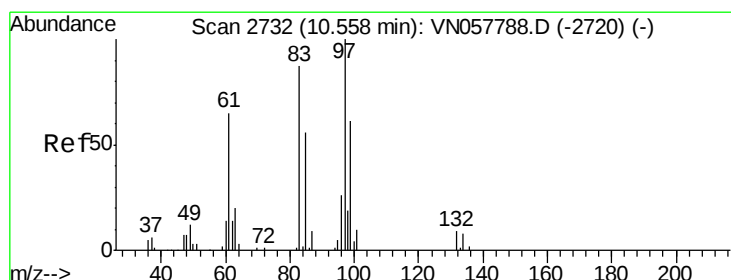
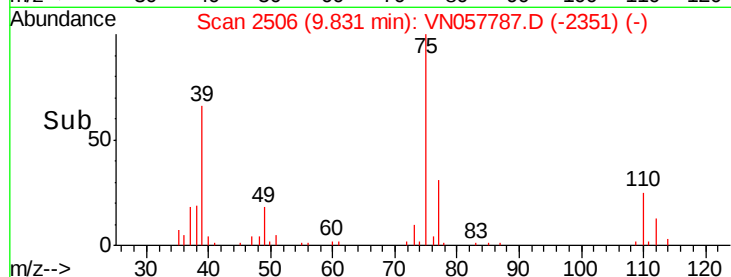
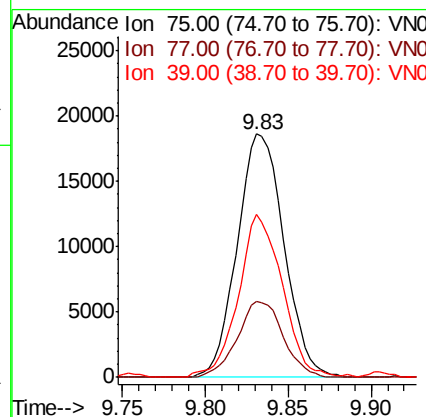
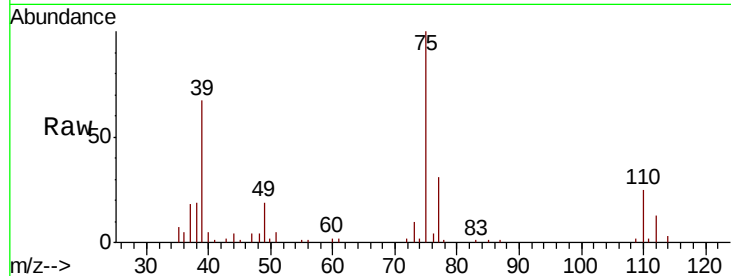
#49
 cis-1,3-Dichloropropene
 Concen: 4.749 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	65.3	45.8	68.8

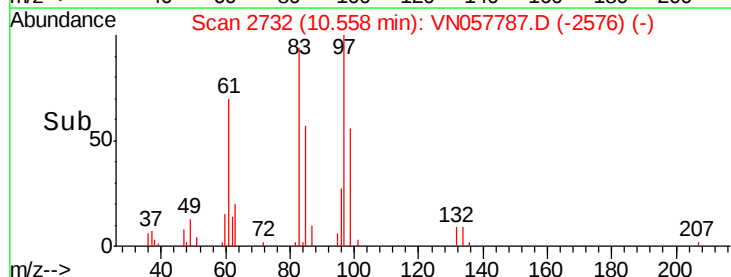
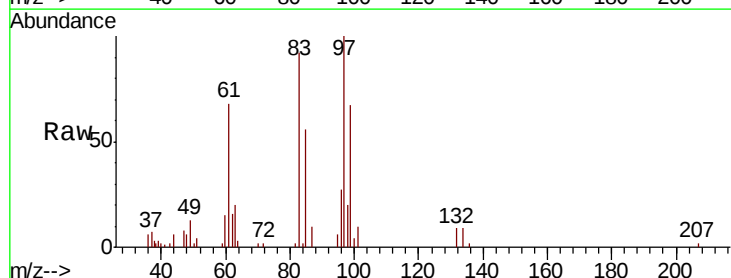
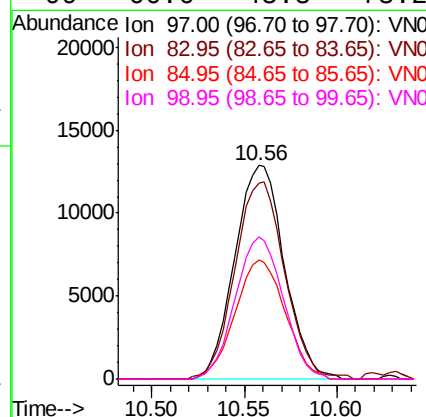
Manual Integrations
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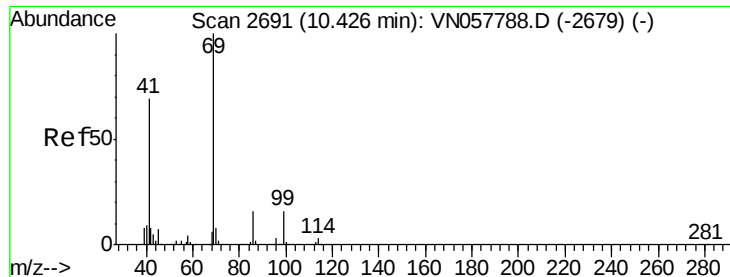
MMDadoda
 9/13/2019 11:04:28 AM



#50
 1,1,2-Trichloroethane
 Concen: 5.154 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.4	104.2
85	55.7	45.0	67.6
99	66.6	48.8	73.2





#51

Ethyl methacrylate

Concen: 4.594 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

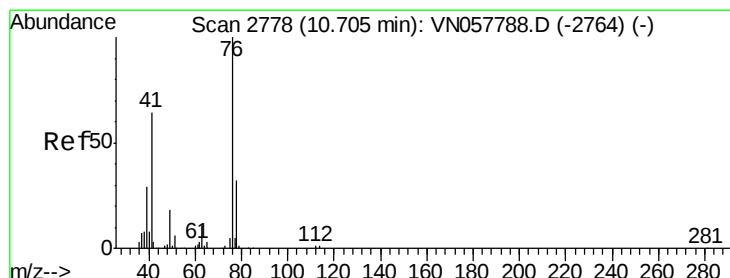
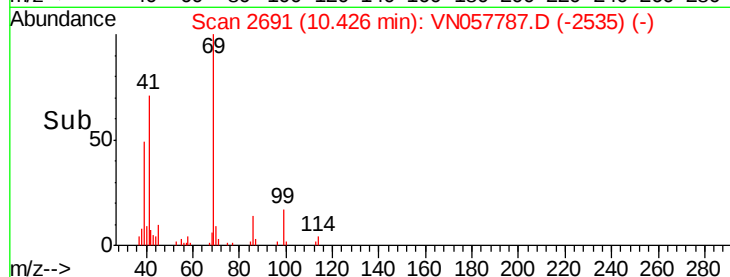
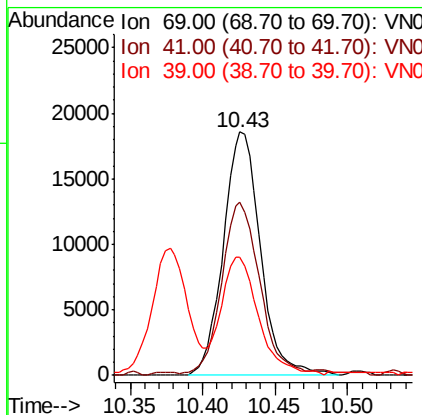
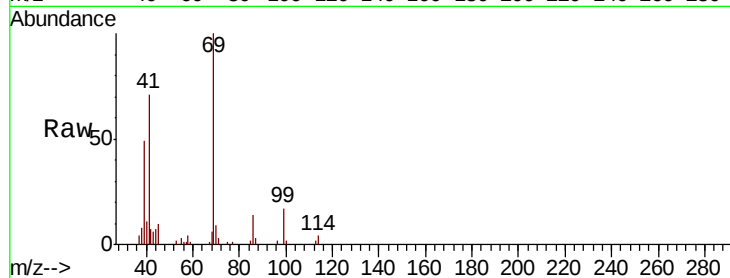
ClientSampleId :

VSTDIC005

Tgt Ion:	69	Resp:	32994
Ion	Ratio	Lower	Upper
69	100		
41	69.8	34.5	103.5
39	47.4	22.4	67.3

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#52

1,3-Dichloropropane

Concen: 5.031 ug/l

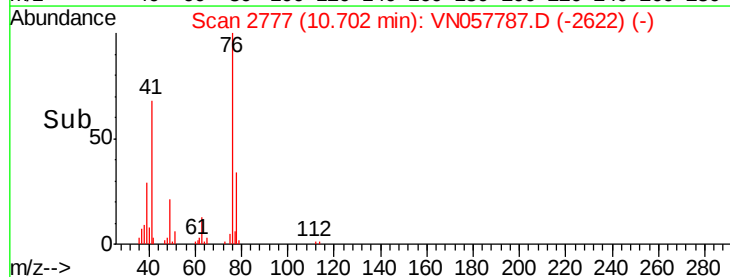
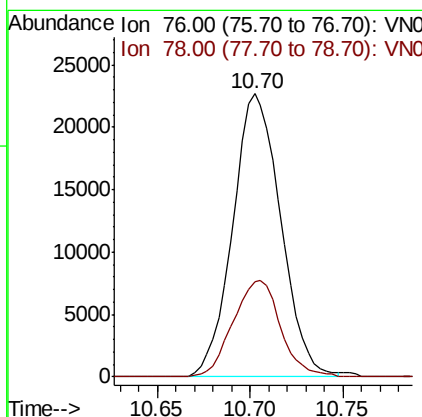
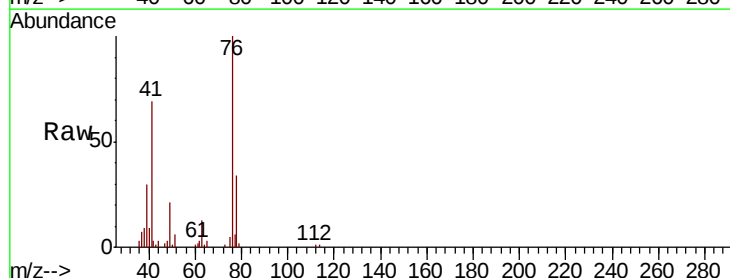
RT: 10.70 min Scan# 2777

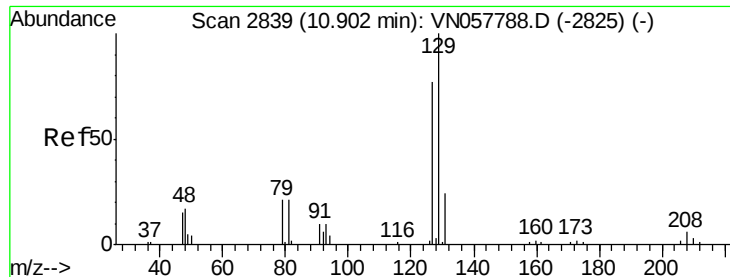
Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Tgt Ion:	76	Resp:	40759
Ion	Ratio	Lower	Upper
76	100		
78	33.7	0.0	63.8





#53

Dibromochloromethane

Concen: 4.438 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:129 Resp: 20304

Ion Ratio Lower Upper

129 100

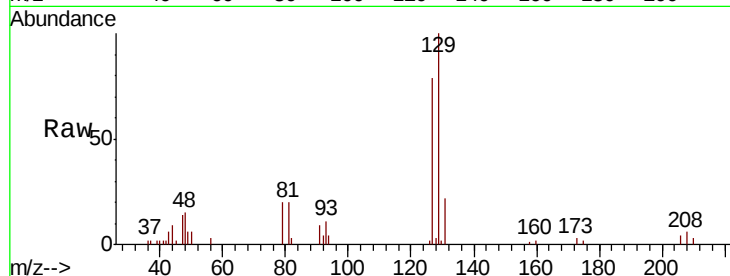
127 77.4 38.8 116.3

Manual Integrations

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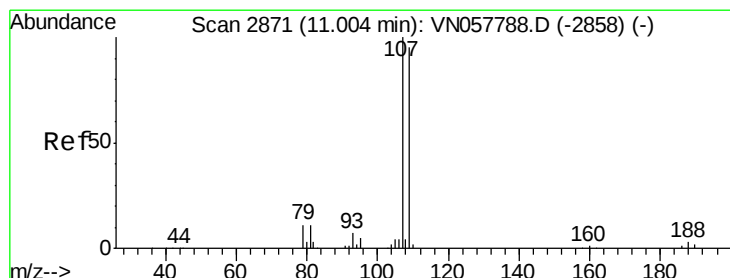
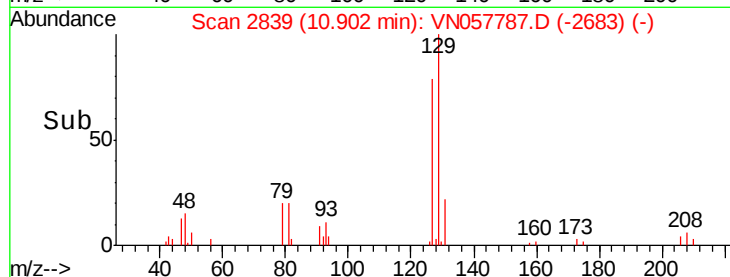
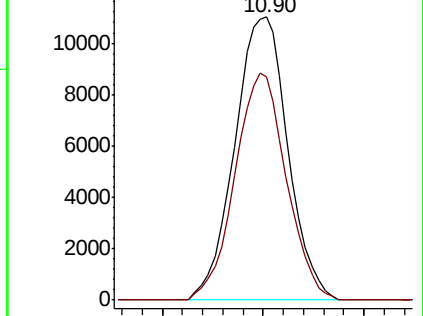
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.047 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057787.D

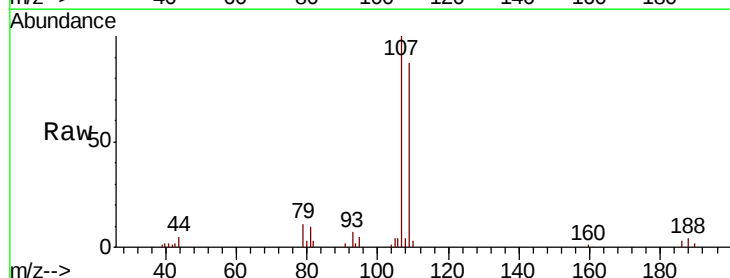
Acq: 9 Sep 2019 8:51

Tgt Ion:107 Resp: 23260

Ion Ratio Lower Upper

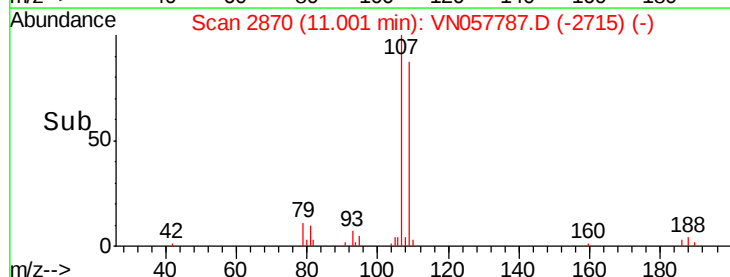
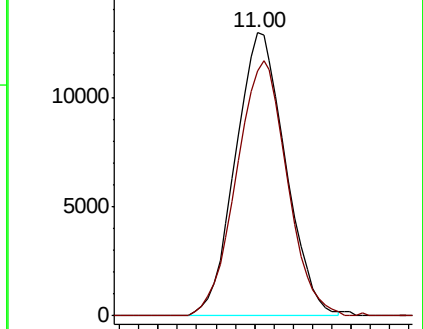
107 100

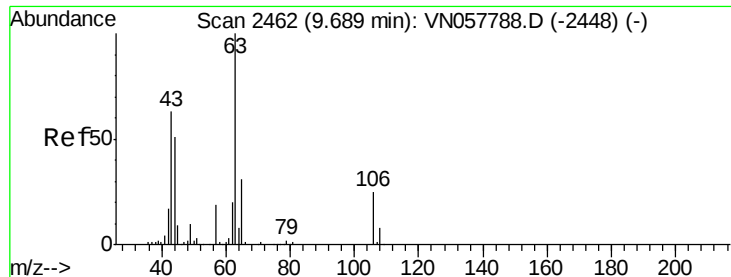
109 91.2 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





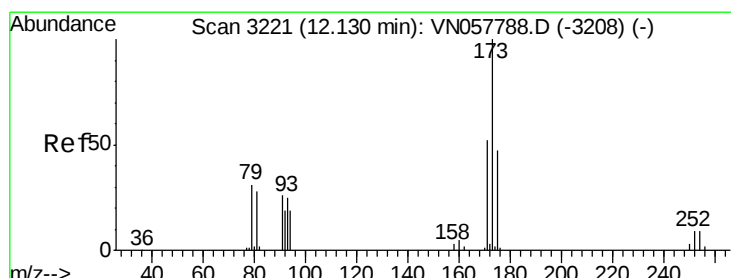
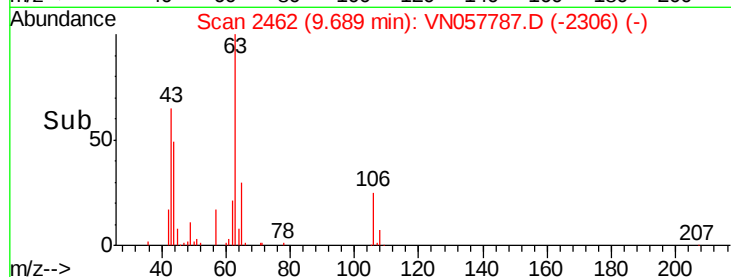
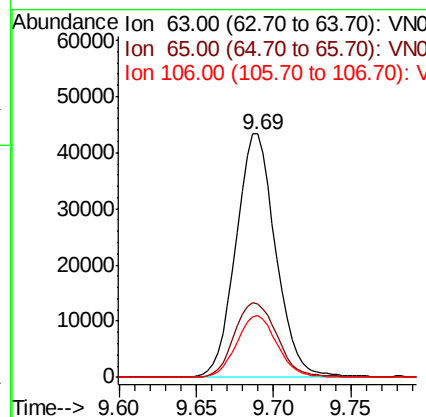
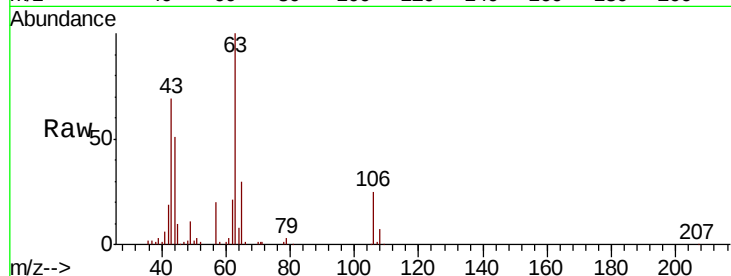
#55
 2-Chloroethyl vinyl ether
 Concen: 22.700 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.0	37.6
106	25.7	19.8	29.8

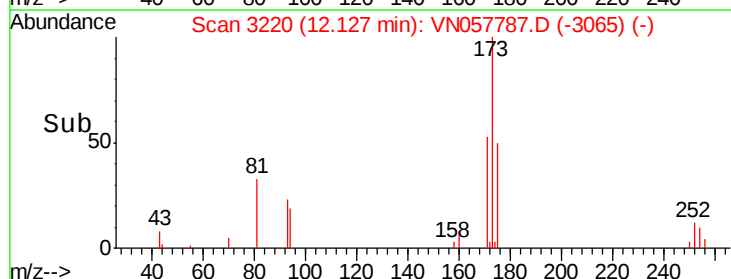
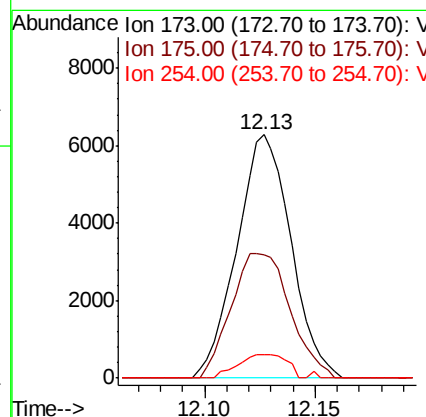
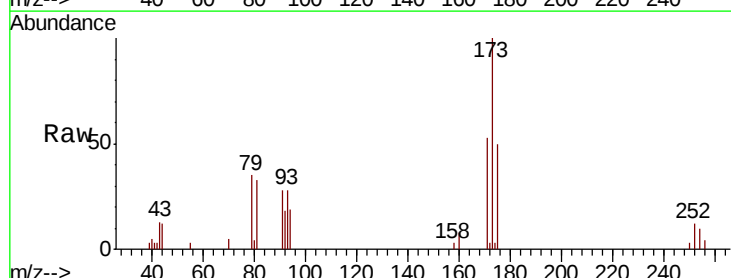
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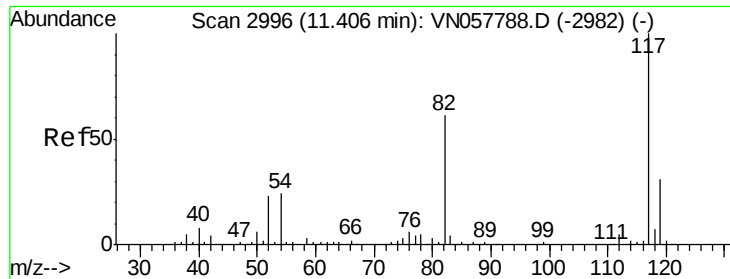
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 9/13/2019 11:04:28 AM



#56
 Bromoform
 Concen: 3.778 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	55.7	38.4	57.6
254	8.8	6.9	10.3





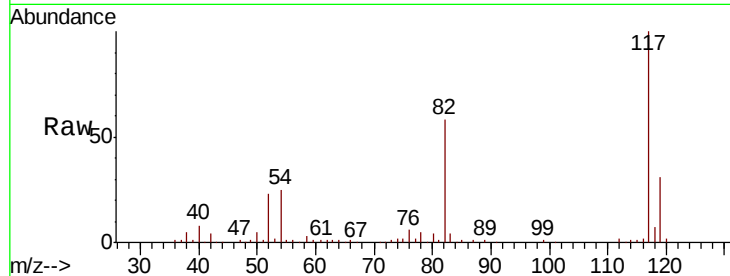
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

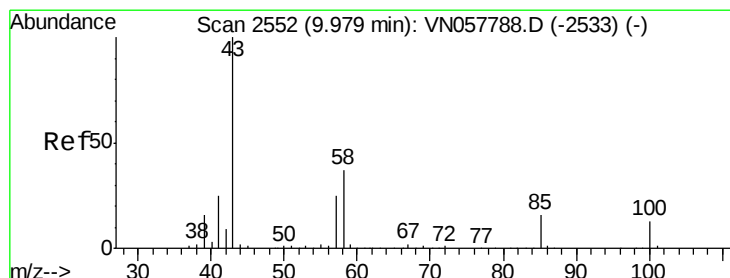
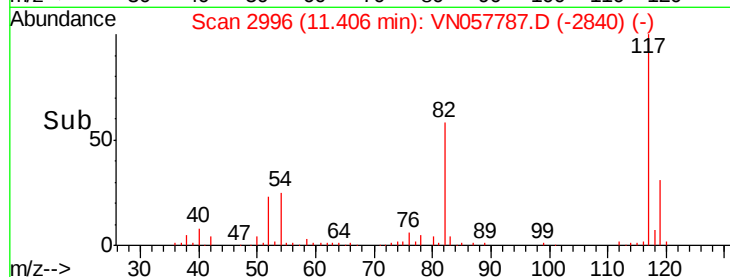
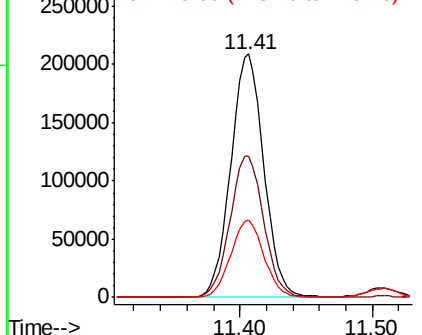
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.6	71.4
119	31.7	25.4	38.2

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9/13/2019 11:04:28 AM

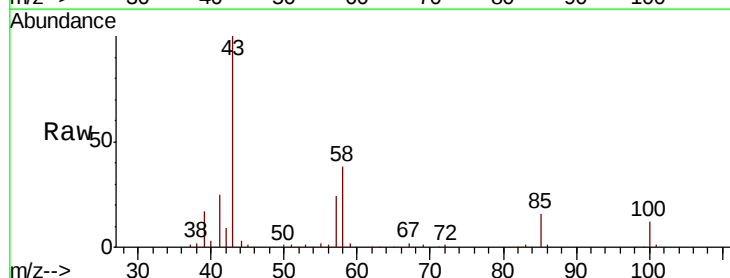


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

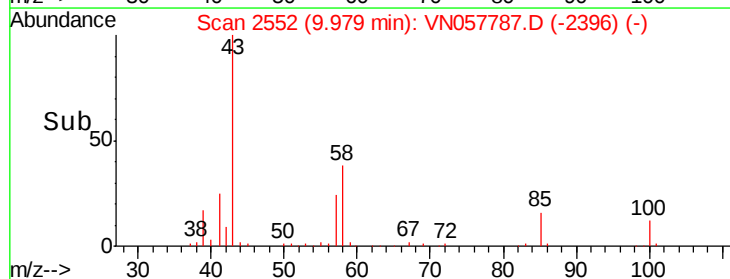
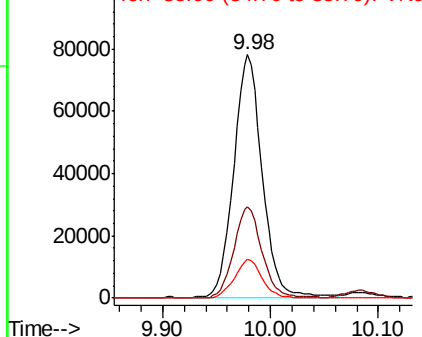


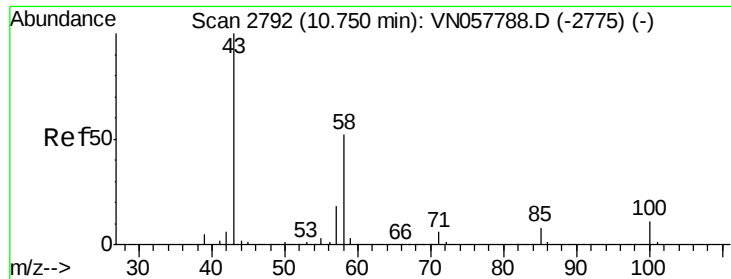
#58
4-Methyl-2-Pentanone
Concen: 25.406 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.4	44.0
85	15.5	12.9	19.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO





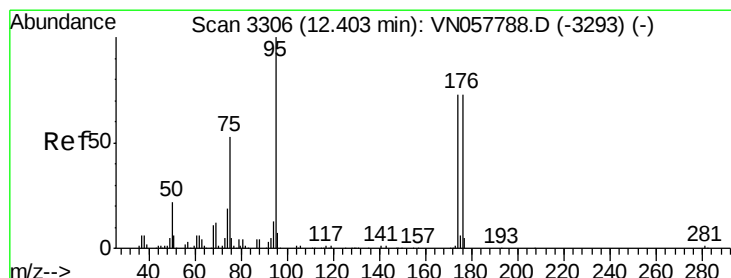
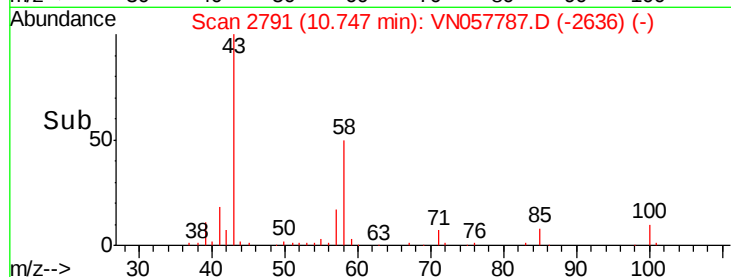
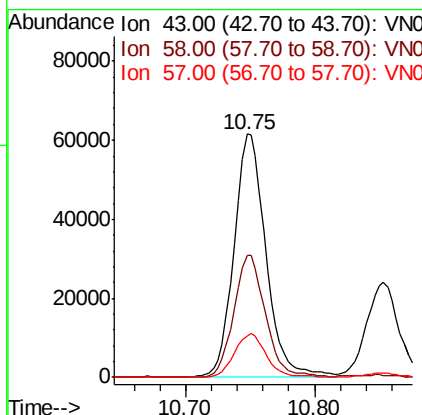
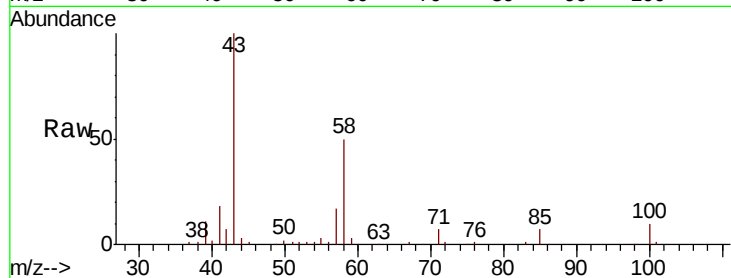
#59
2-Hexanone
Concen: 24.866 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.6	61.0
57	17.9	14.5	21.7

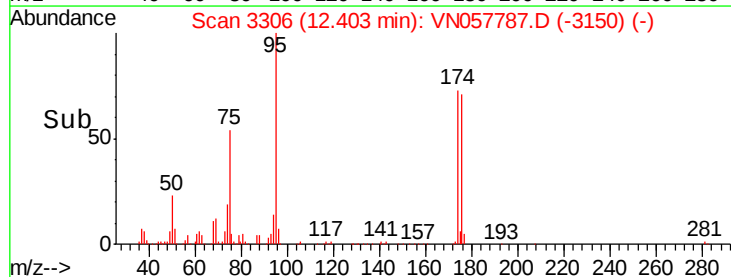
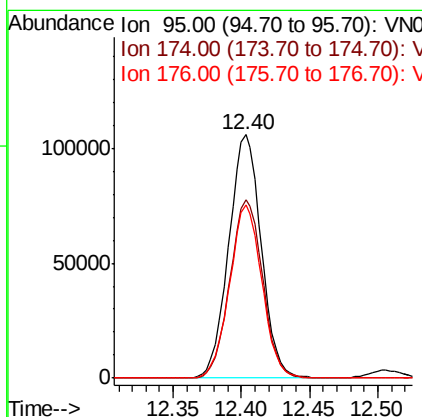
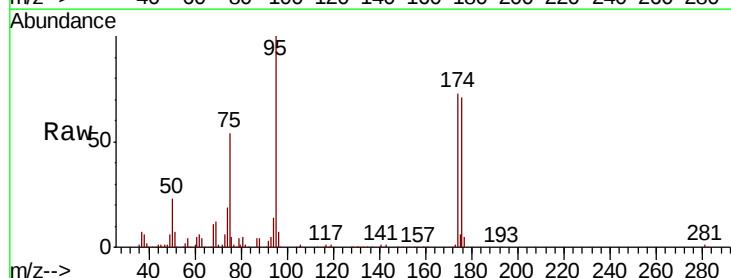
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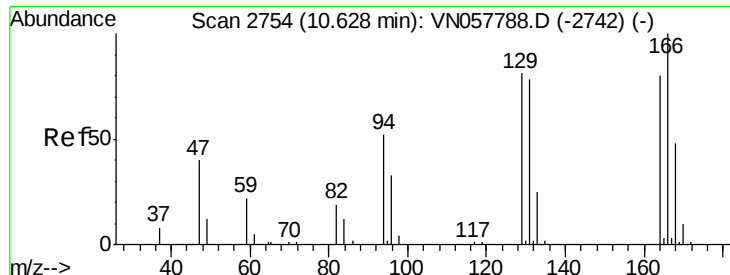
MMDadoda
9/13/2019 11:04:28 AM



#60
4-Bromofluorobenzene
Concen: 28.289 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	59.4	89.0
176	70.7	57.4	86.0





#61

Tetrachloroethene

Concen: 5.311 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 164 Resp: 19560

Ion Ratio Lower Upper

164 100

166 139.7 99.6 149.4

129 102.5 80.9 121.3

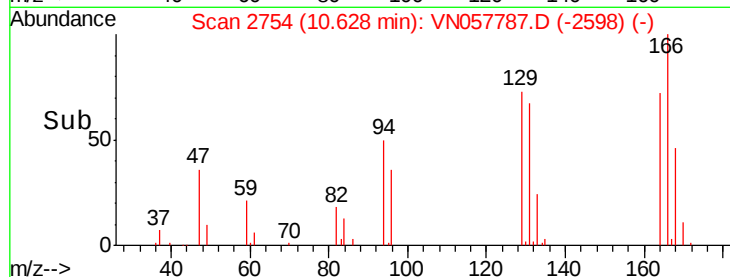
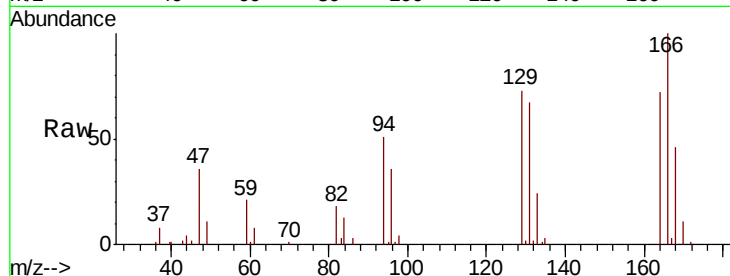
131 94.1 77.2 115.8

Manual Integrations

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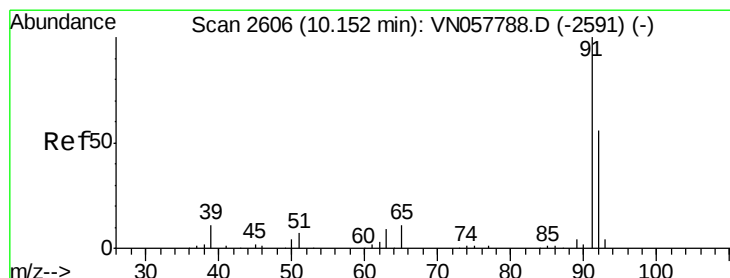
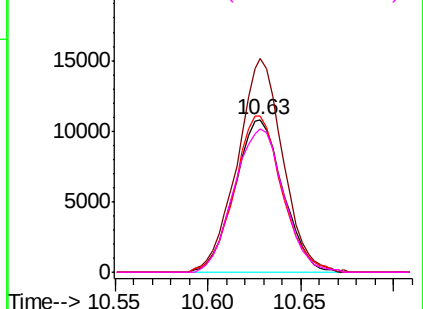


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.428 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057787.D

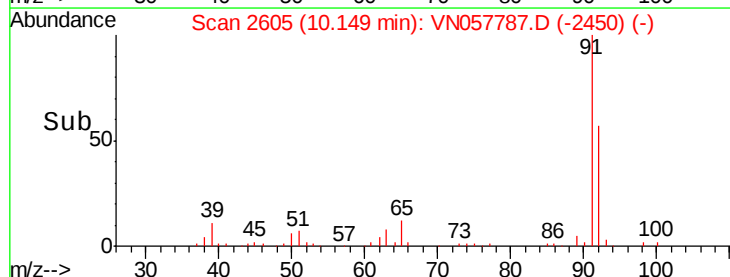
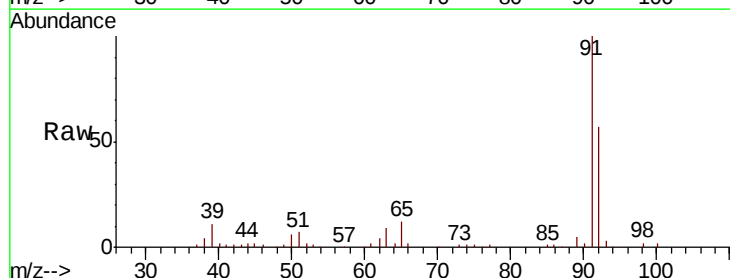
Acq: 9 Sep 2019 8:51

Tgt Ion: 91 Resp: 108872

Ion Ratio Lower Upper

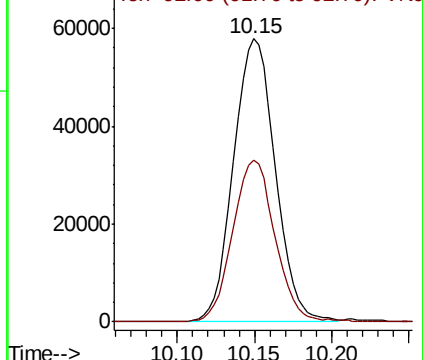
91 100

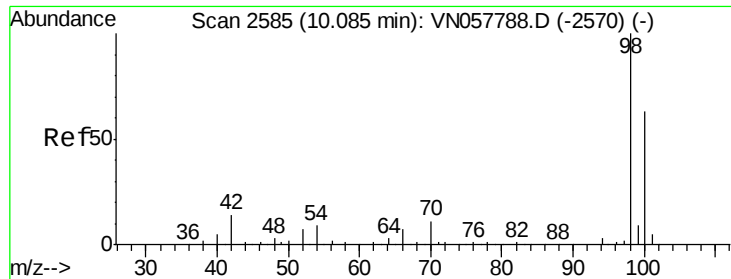
92 57.4 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





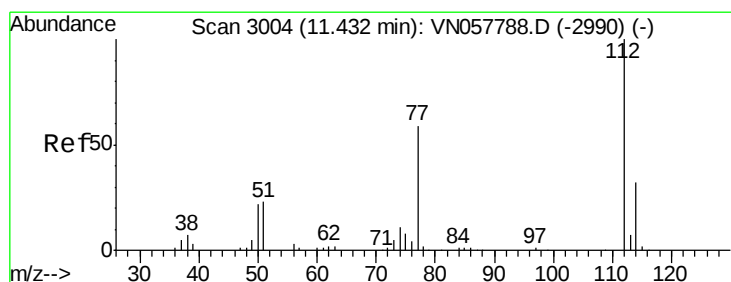
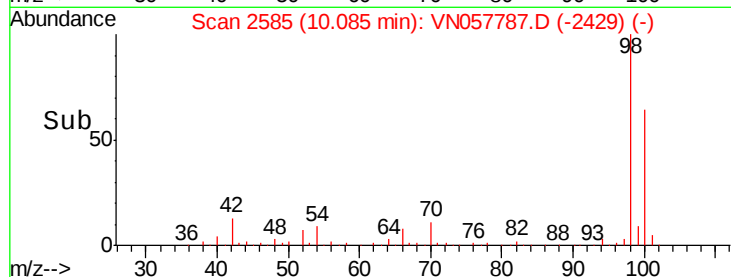
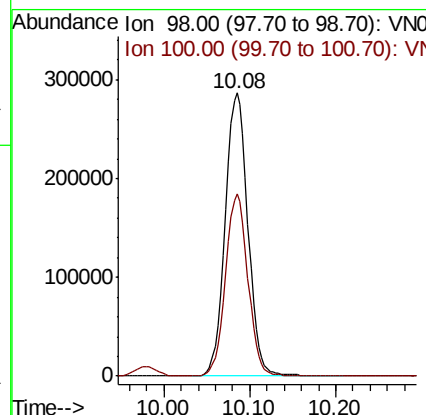
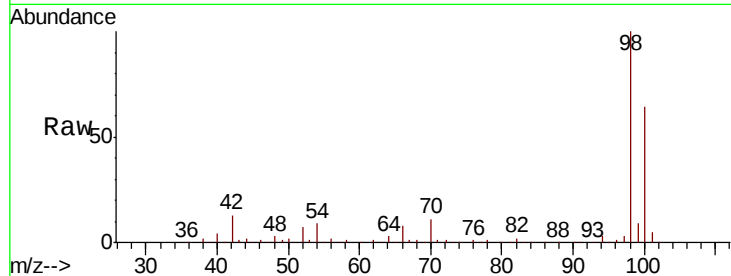
#63
Toluene-d8
Concen: 30.307 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 526955
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5

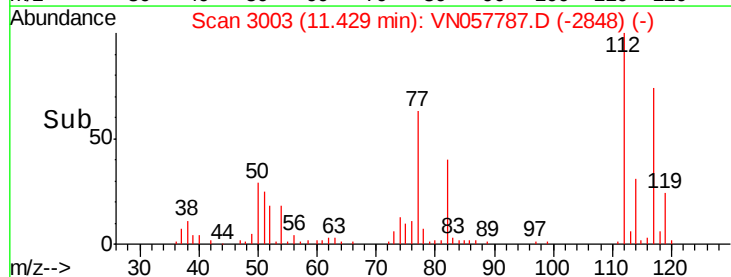
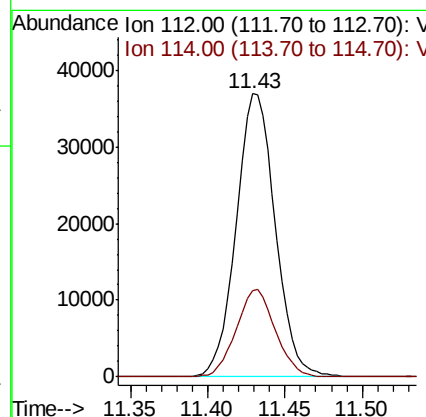
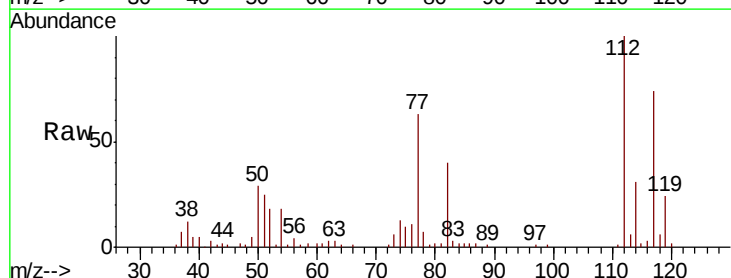
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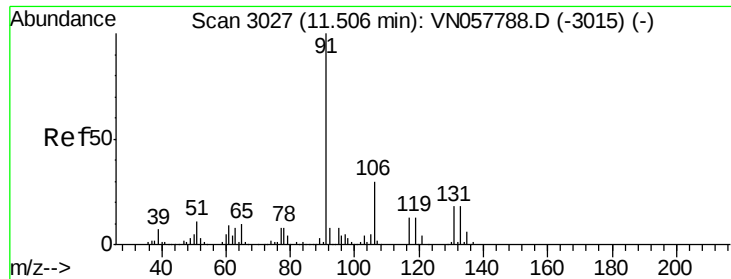
MMDadoda
9/13/2019 11:04:28 AM



#64
Chlorobenzene
Concen: 5.204 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion: 112 Resp: 64758
Ion Ratio Lower Upper
112 100
114 30.6 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 4.697 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

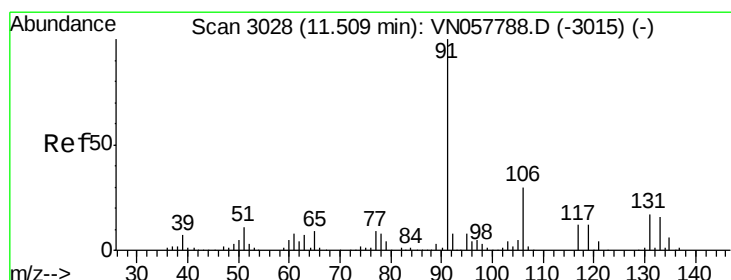
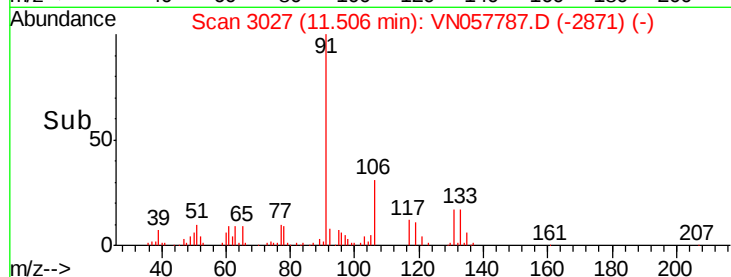
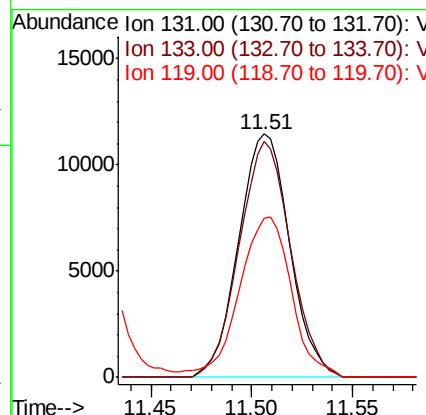
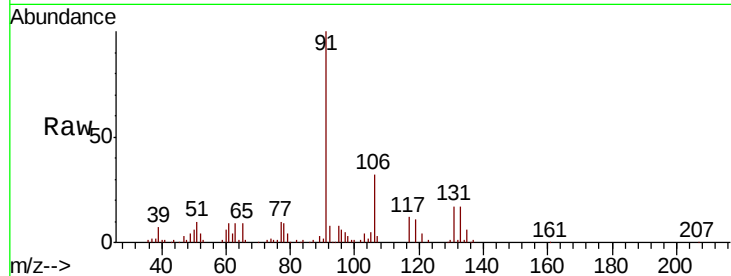
ClientSampled :

VSTDIC005

Tgt Ion:	131	Resp:	20293
Ion Ratio	Lower	Upper	
131	100		
133	97.2	0.0	189.2
119	66.7	0.0	136.4

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#66

Ethyl Benzene

Concen: 5.272 ug/l

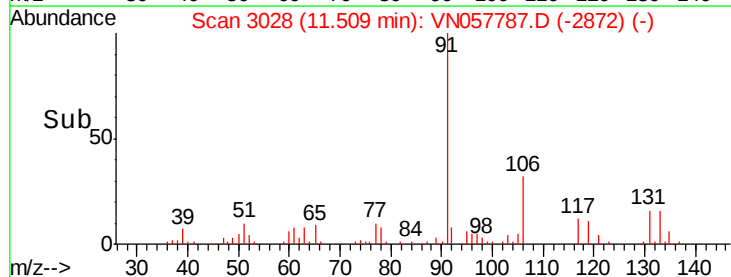
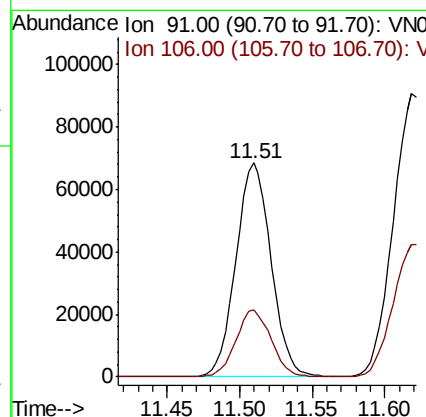
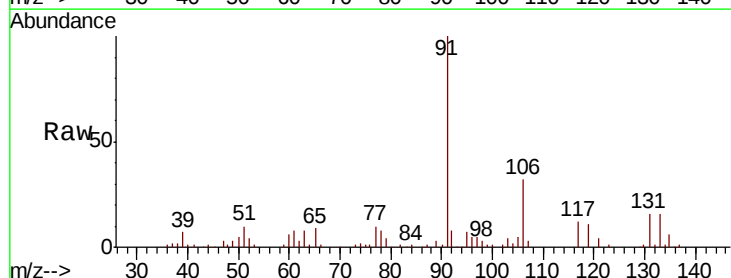
RT: 11.51 min Scan# 3028

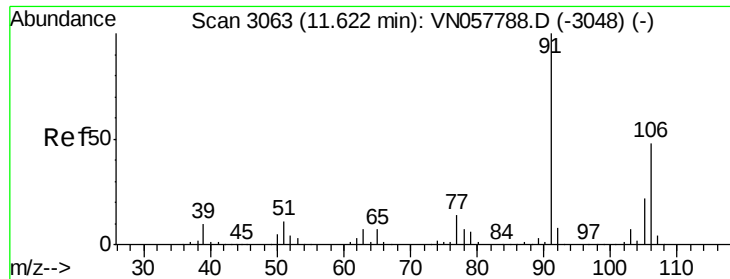
Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Tgt Ion:	91	Resp:	115364
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.0	36.0





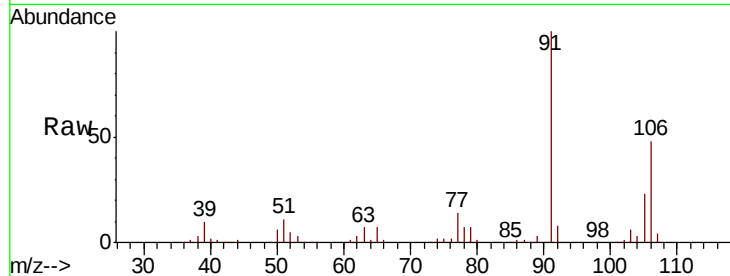
#67
m/p-Xylenes
Concen: 11.149 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

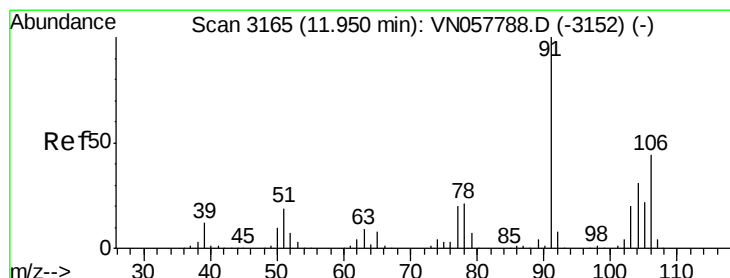
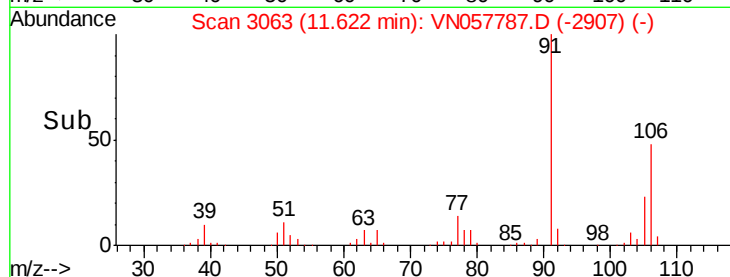
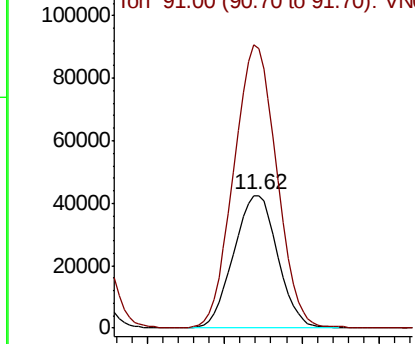
Tgt Ion:106 Resp: 84269
Ion Ratio Lower Upper
106 100
91 206.2 166.1 249.1

Manual Integrations
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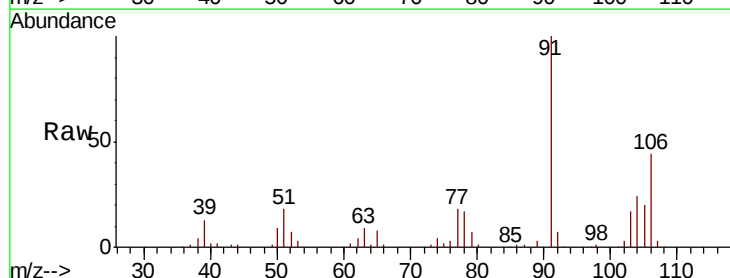


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

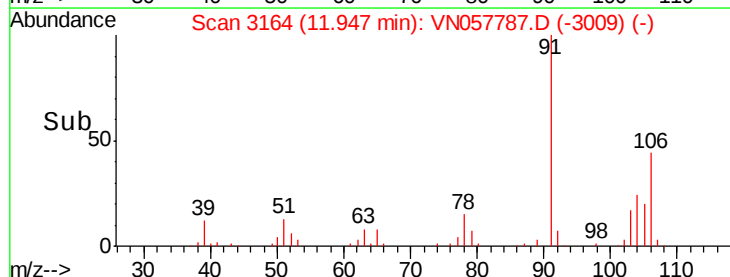
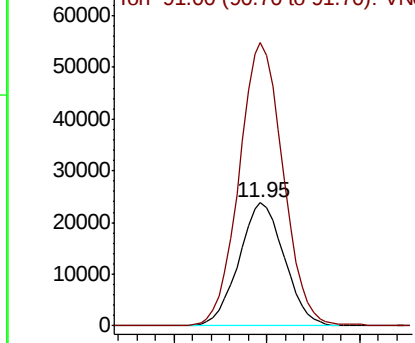


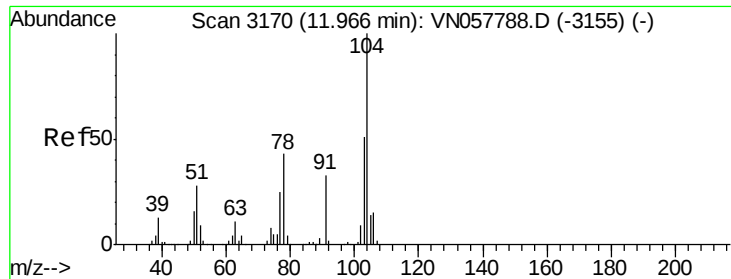
#68
o-Xylene
Concen: 4.946 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion:106 Resp: 40488
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





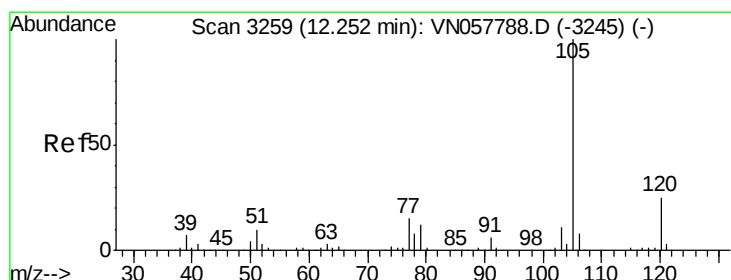
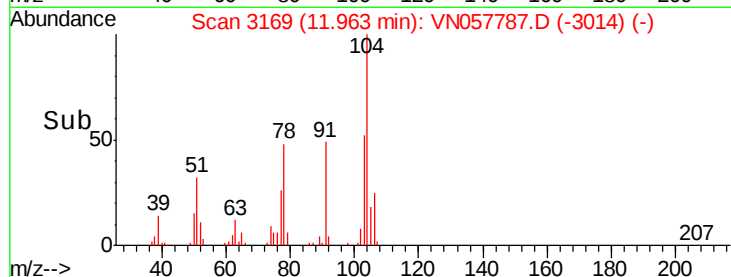
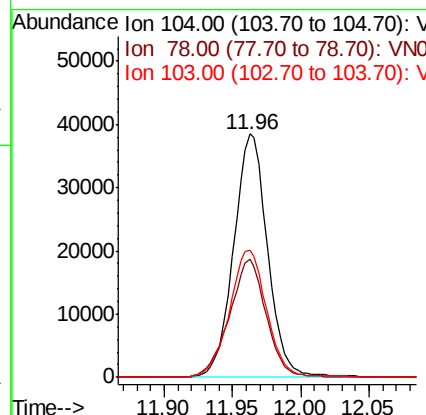
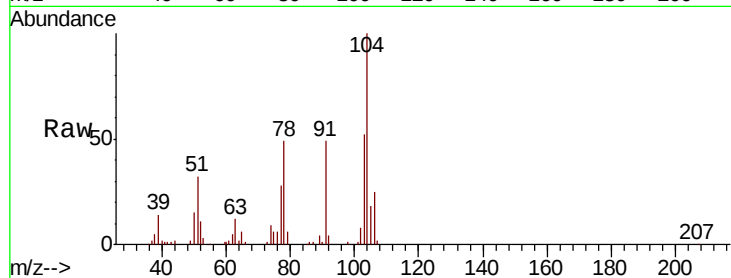
#69
Styrene
Concen: 4.751 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.5	62.3
103	57.1	44.8	67.2

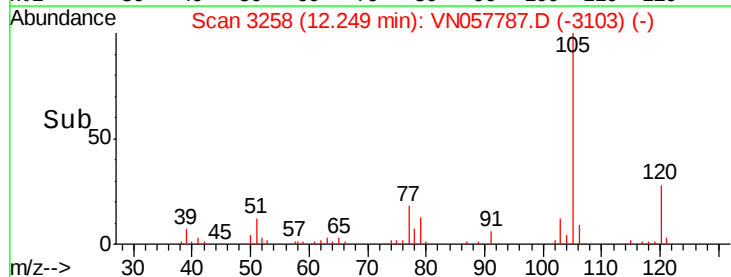
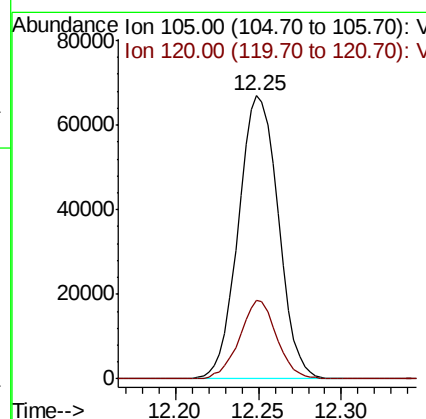
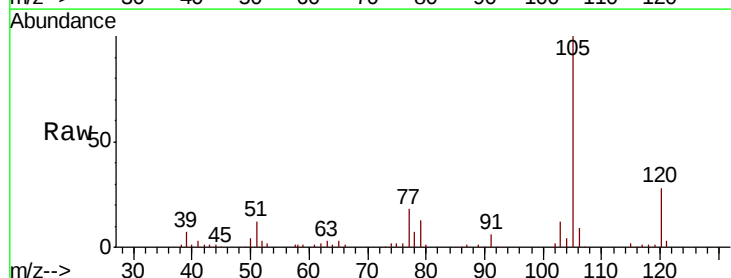
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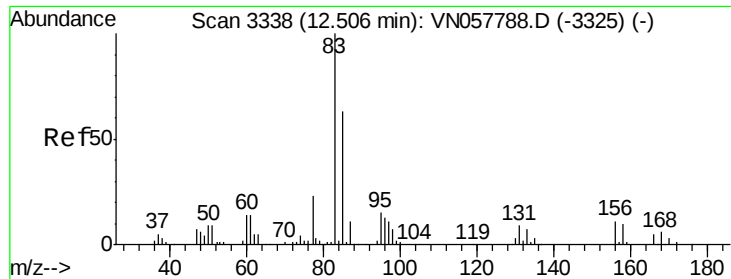
MMDadoda
9/13/2019 11:04:28 AM



#70
Isopropylbenzene
Concen: 5.174 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	17.6	32.6





#71

1,1,2,2-Tetrachloroethane

Concen: 4.739 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 83 Resp: 32052
Ion Ratio Lower Upper

83 100

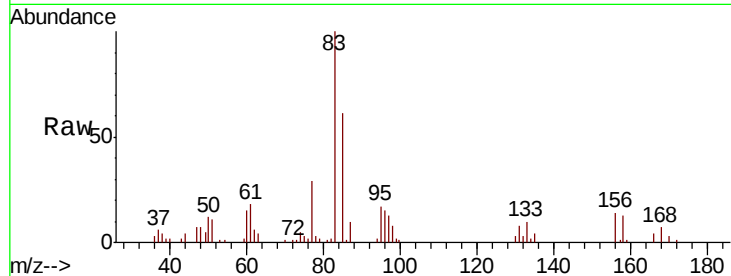
131 9.4 4.9 14.6

85 63.6 32.1 96.3

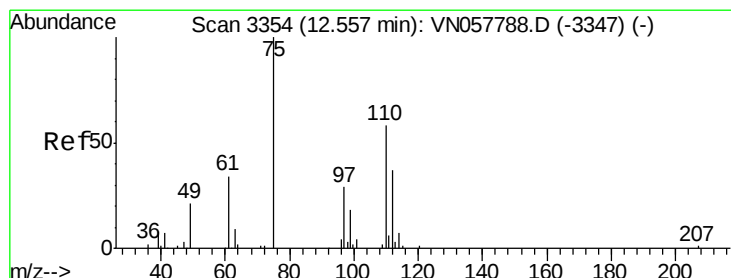
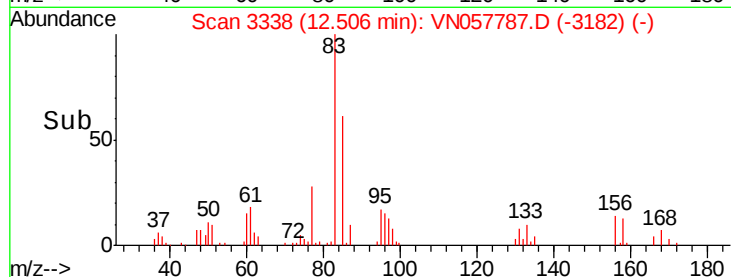
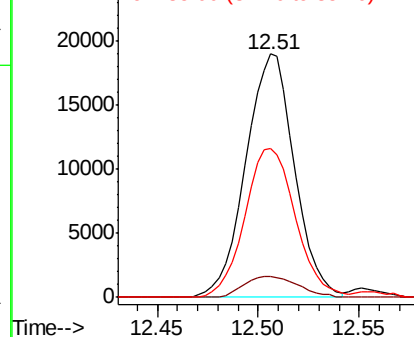
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 131.00 (130.70 to 131.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#72

1,2,3-Trichloropropane

Concen: 4.771 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

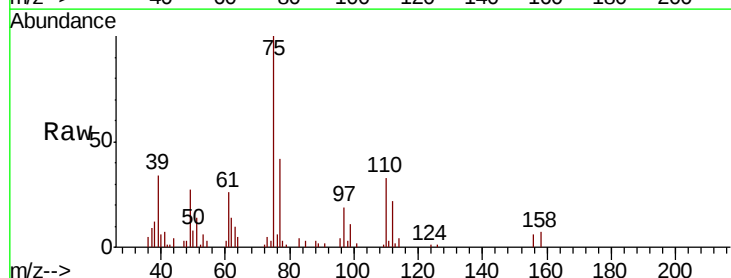
Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

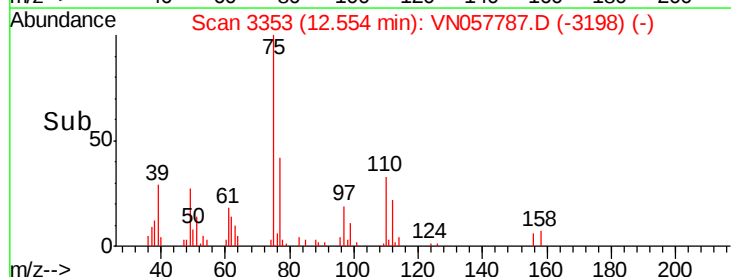
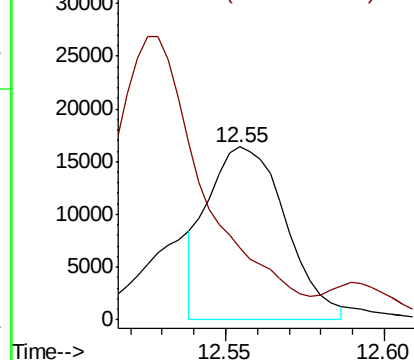
Tgt Ion: 75 Resp: 28234
Ion Ratio Lower Upper

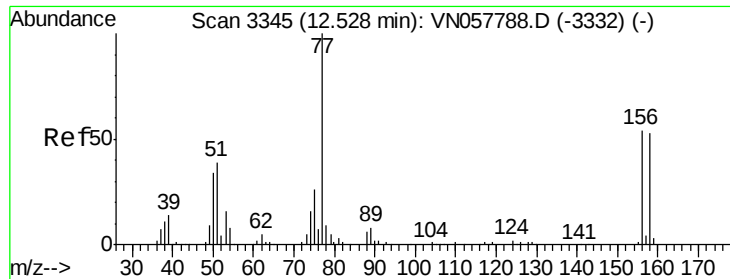
75 100

77 196.2 0.0 351.6



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





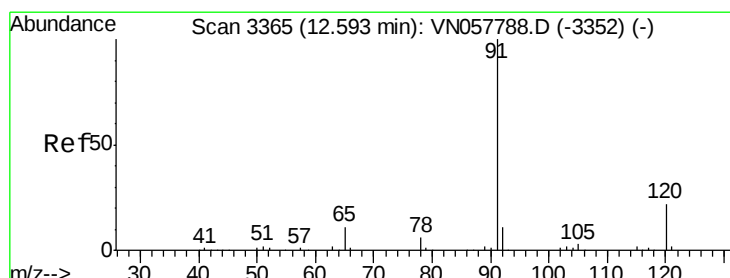
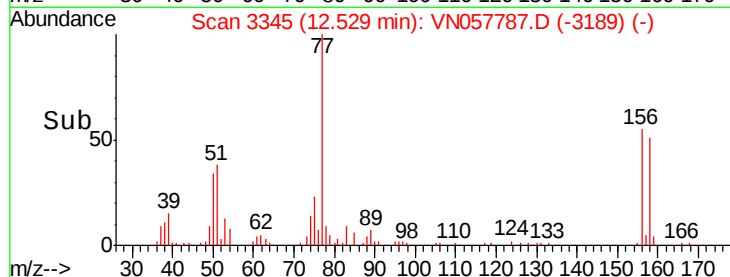
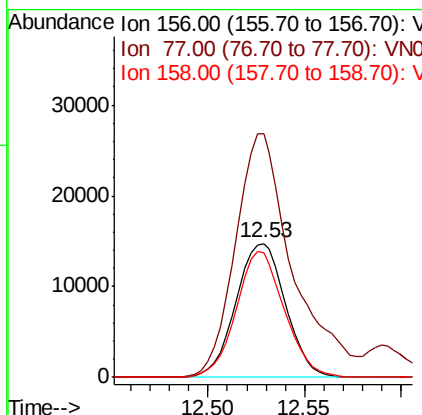
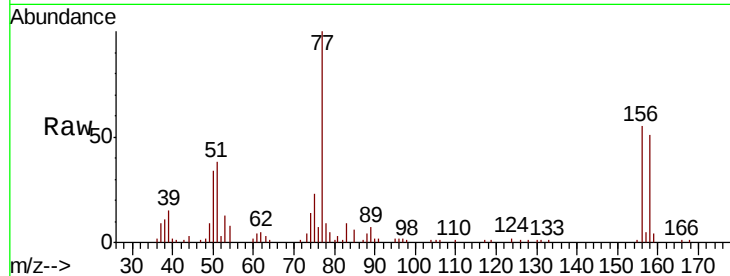
#73
Bromobenzene
Concen: 5.057 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	26200		
77	211.4	0.0	446.6	
158	91.7	0.0	197.2	

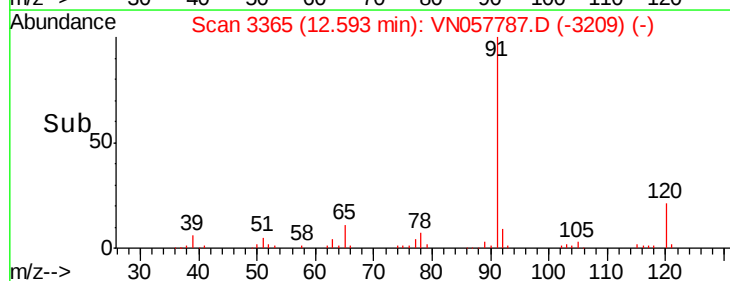
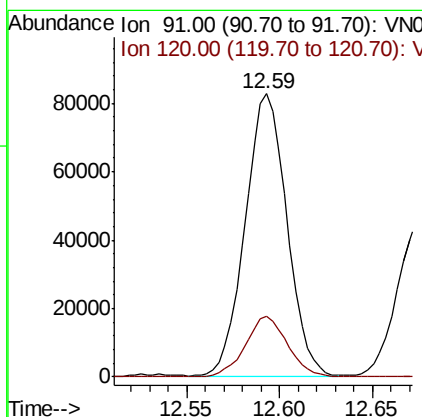
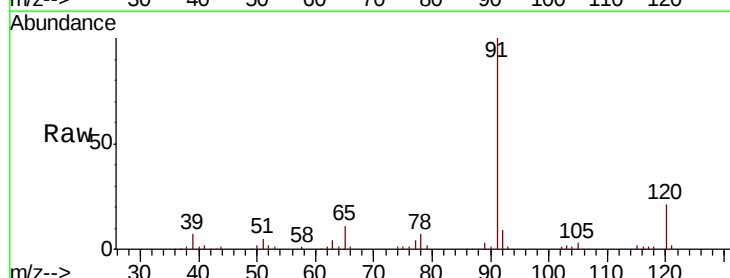
Manual Integrations
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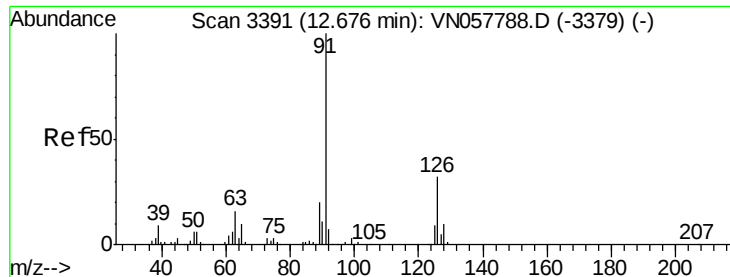
MMDadoda
9/13/2019 11:04:28 AM



#74
n-propylbenzene
Concen: 5.279 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	130523		
120	21.4	0.0	43.4	





#75

2-Chlorotoluene

Concen: 5.083 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 78284

Ion Ratio Lower Upper

91 100

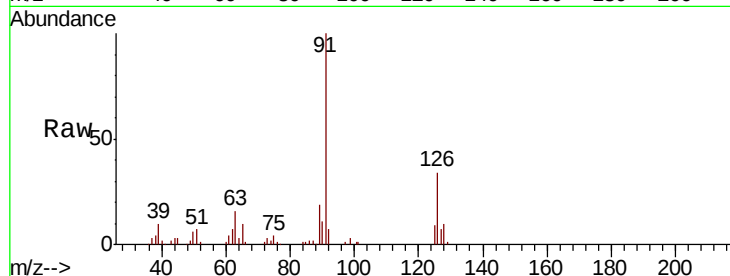
126 32.5 0.0 64.8

Manual Integrations

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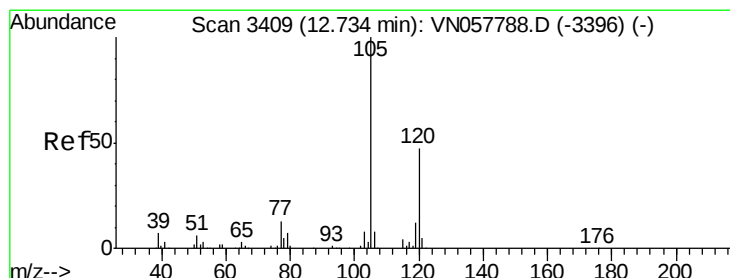
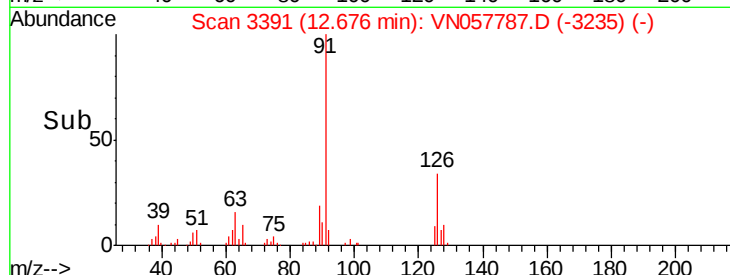
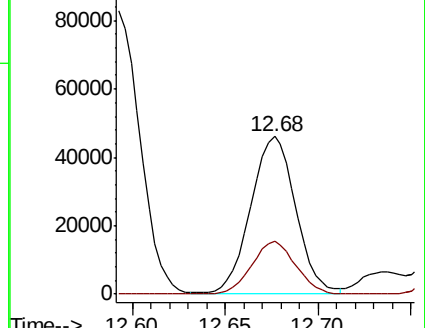
MMDadoda

9/13/2019 11:04:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.993 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057787.D

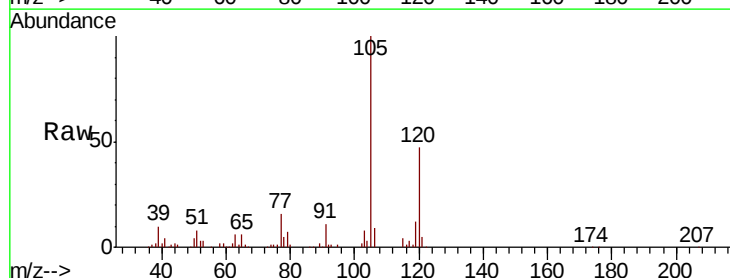
Acq: 9 Sep 2019 8:51

Tgt Ion: 105 Resp: 92010

Ion Ratio Lower Upper

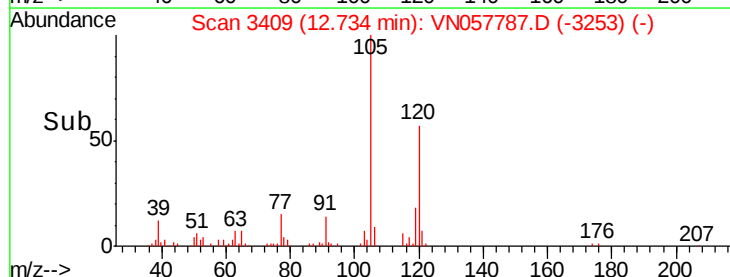
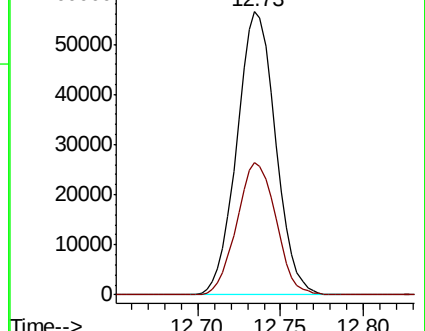
105 100

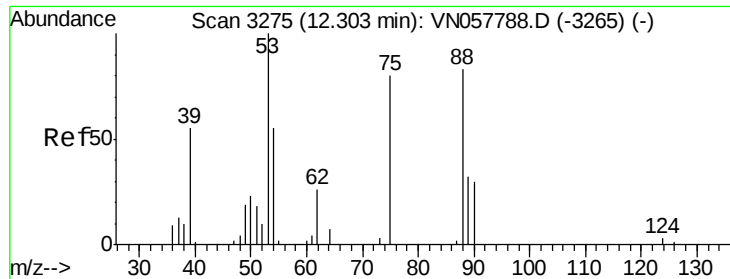
120 47.3 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)





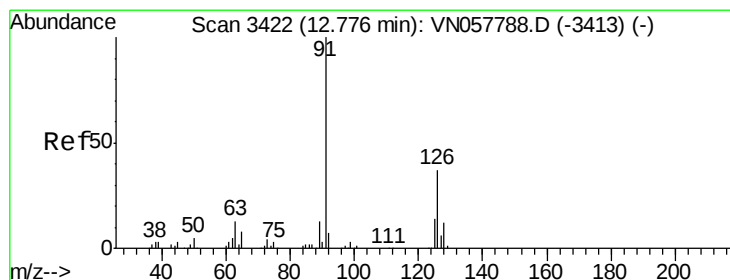
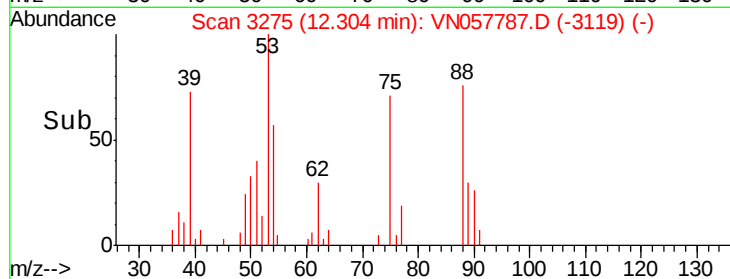
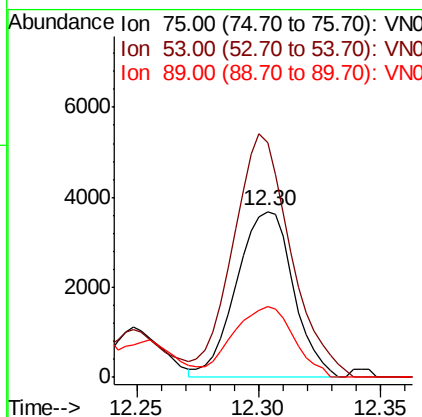
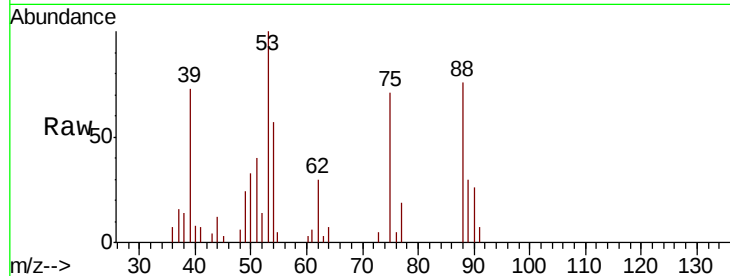
#77
t-1,4-Dichloro-2-butene
Concen: 3.350 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	133.1	62.7	188.2
89	43.0	22.8	68.3

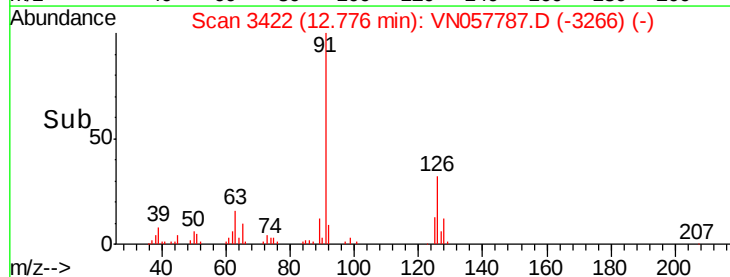
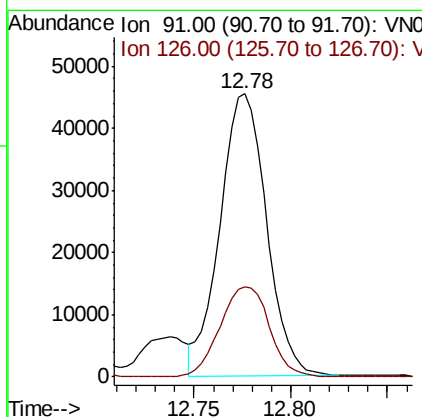
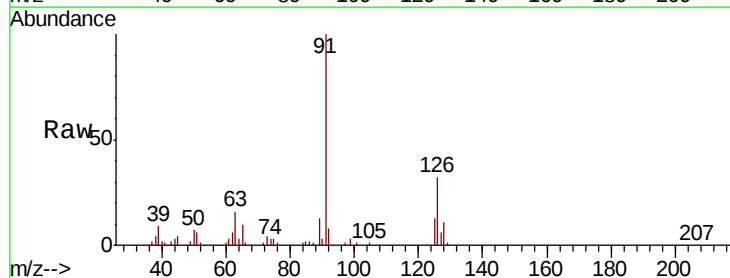
Manual Integrations
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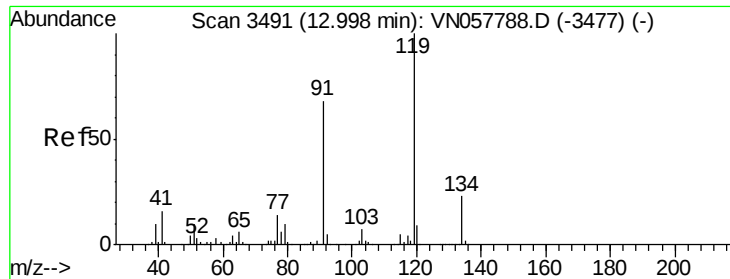
MMDadoda
9/13/2019 11:04:28 AM



#78
4-Chlorotoluene
Concen: 4.834 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	65.2





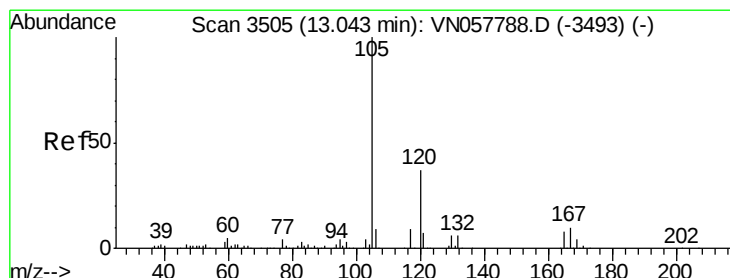
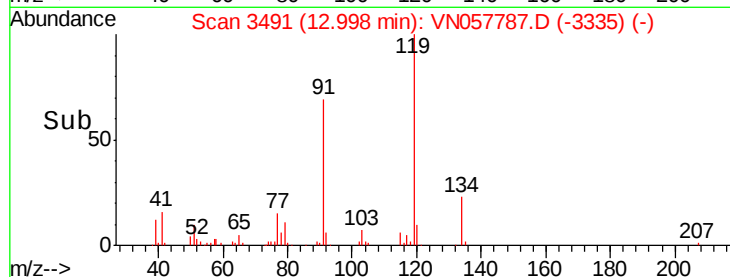
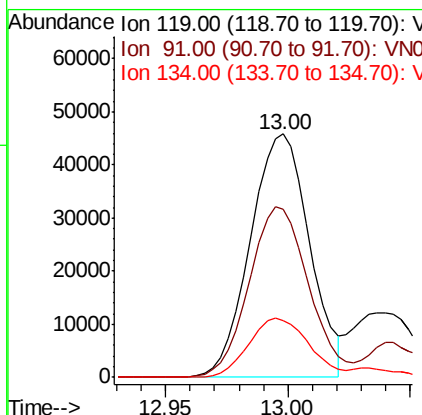
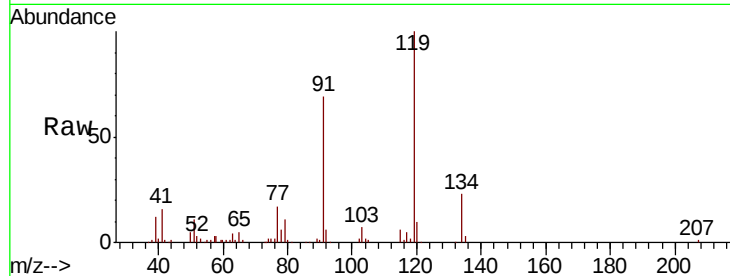
#79
tert-butylbenzene
Concen: 4.802 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	77204		
91	70.8	0.0	133.8	
134	24.6	0.0	46.4	

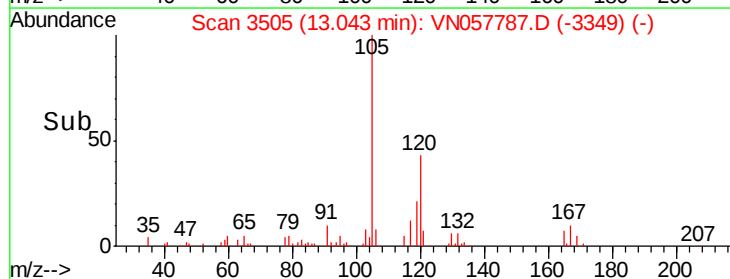
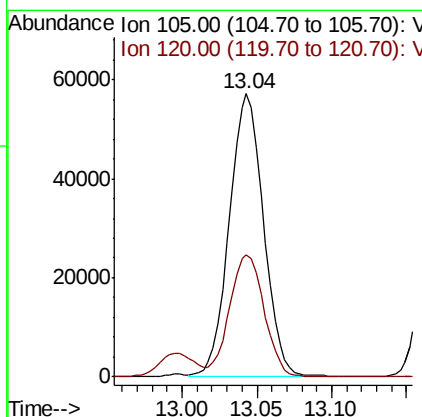
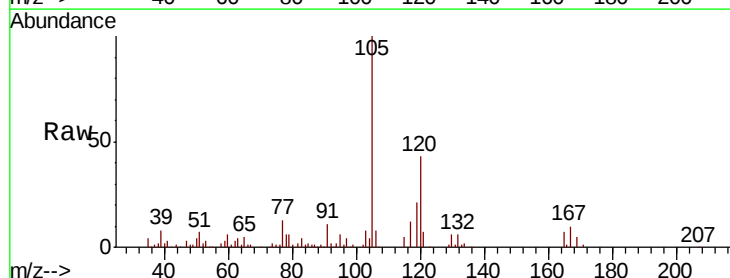
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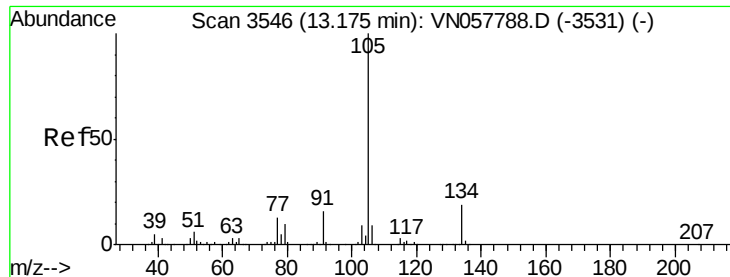
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.952 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	90914		
120	43.9	0.0	87.8	





#81

sec-Butylbenzene

Concen: 5.152 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 109881

Ion Ratio Lower Upper

105 100

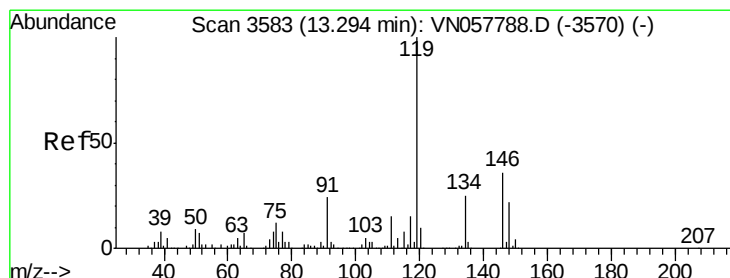
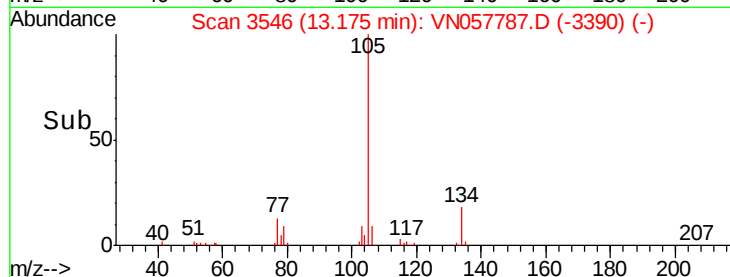
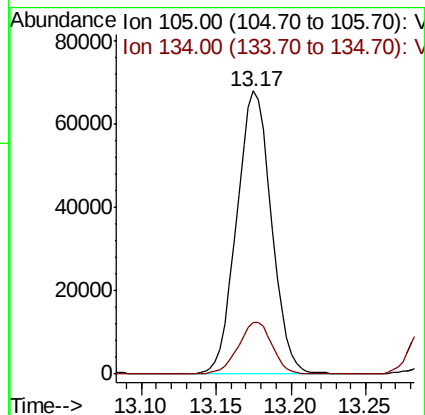
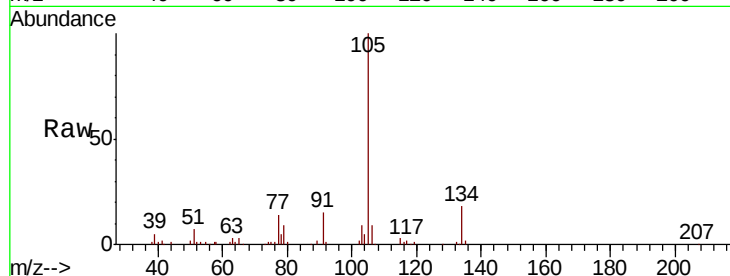
134 17.8 0.0 37.6

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#82

p-Isopropyltoluene

Concen: 4.906 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057787.D

Acq: 9 Sep 2019 8:51

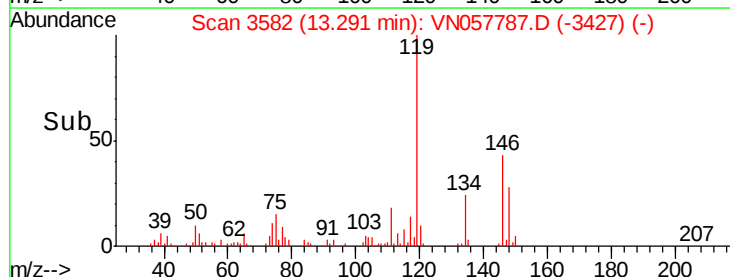
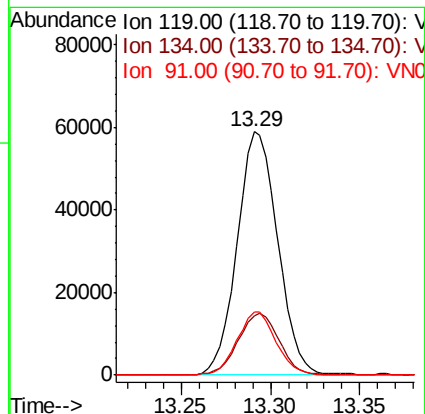
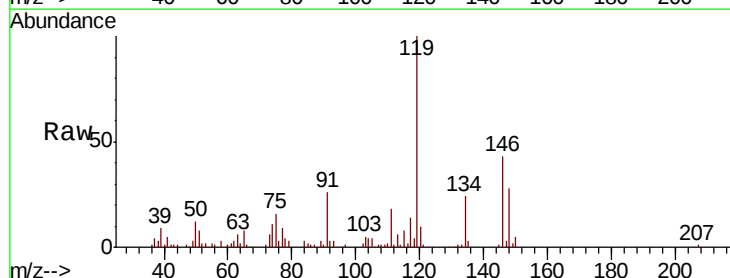
Tgt Ion:119 Resp: 93713

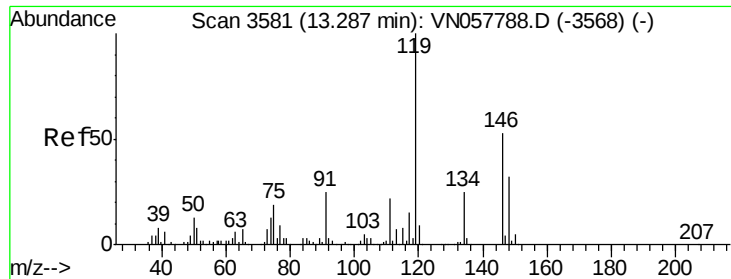
Ion Ratio Lower Upper

119 100

134 25.5 0.0 50.4

91 25.0 0.0 48.8





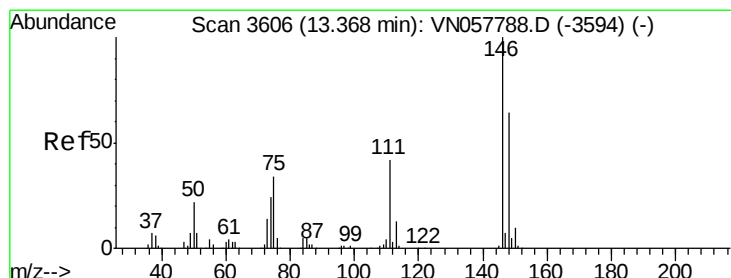
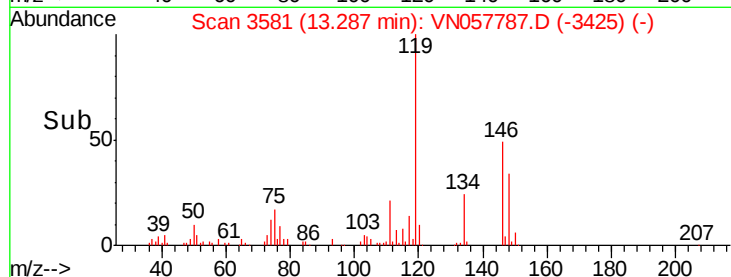
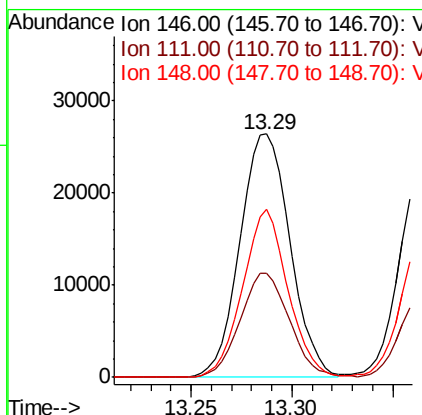
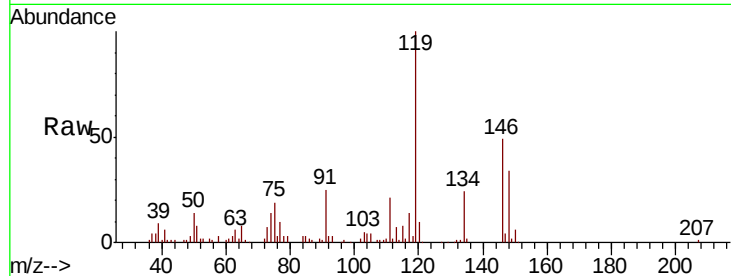
#83
 1,3-Dichlorobenzene
 Concen: 4.774 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	62.2	30.9	92.5

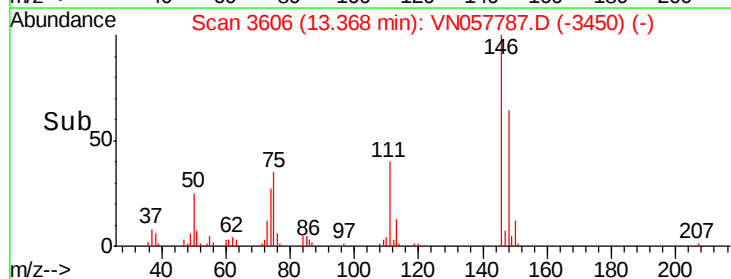
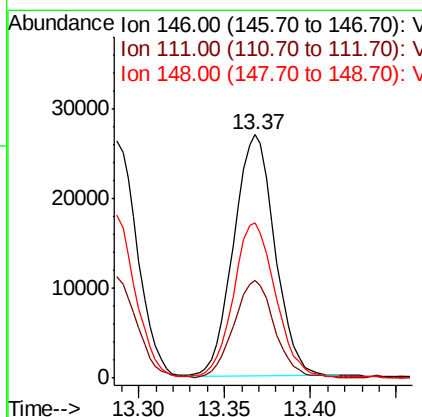
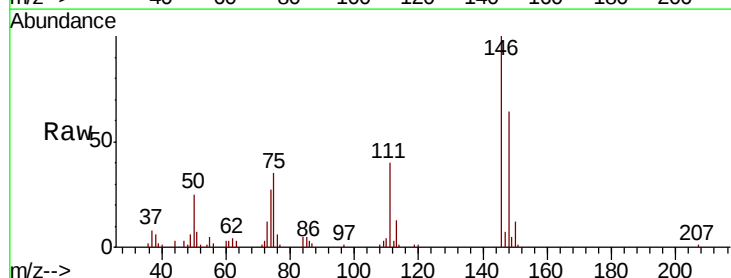
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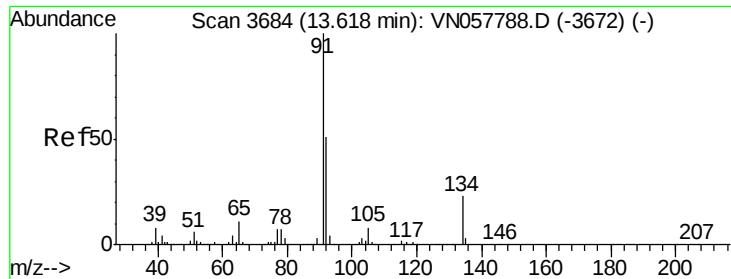
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 9/13/2019 11:04:28 AM



#84
 1,4-Dichlorobenzene
 Concen: 4.732 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.4
148	64.3	31.7	95.1





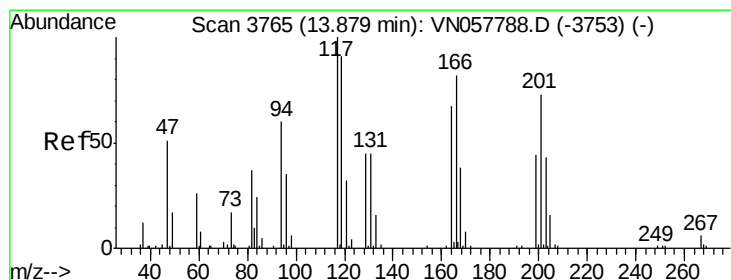
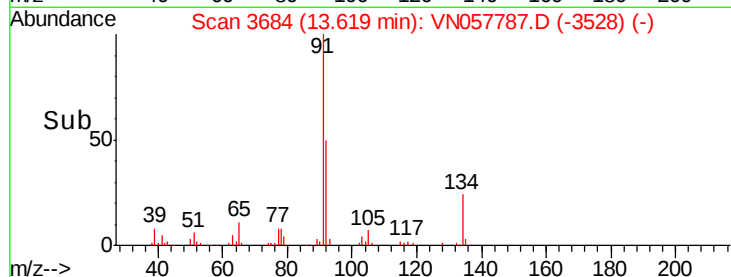
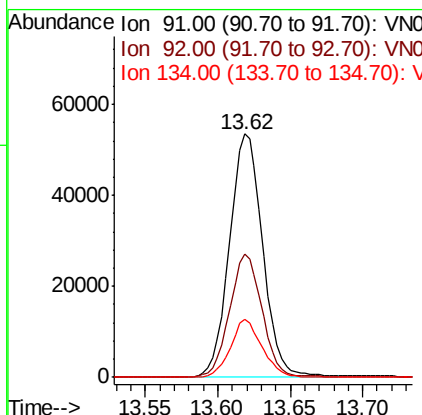
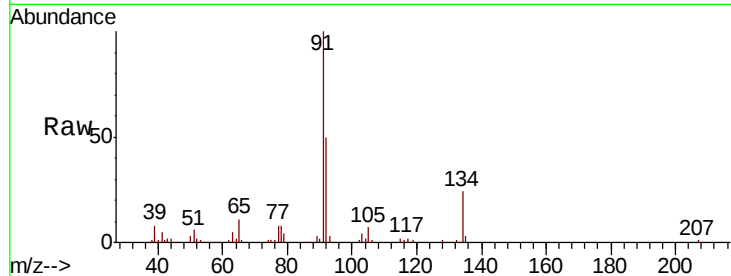
#85
n-Butylbenzene
Concen: 4.789 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.3	0.0	100.0
134	22.6	0.0	46.6

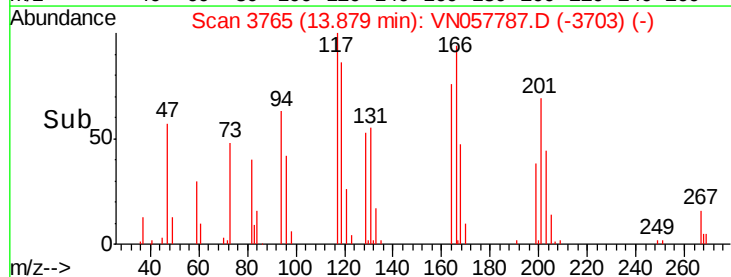
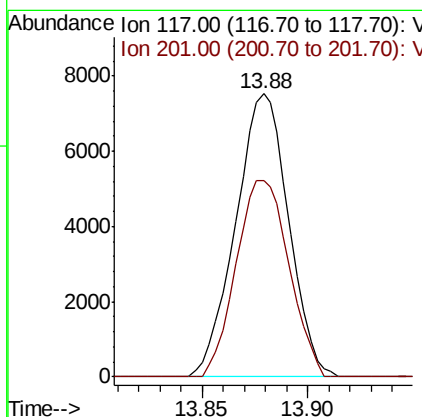
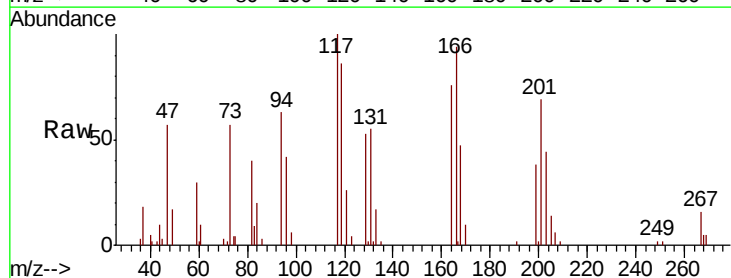
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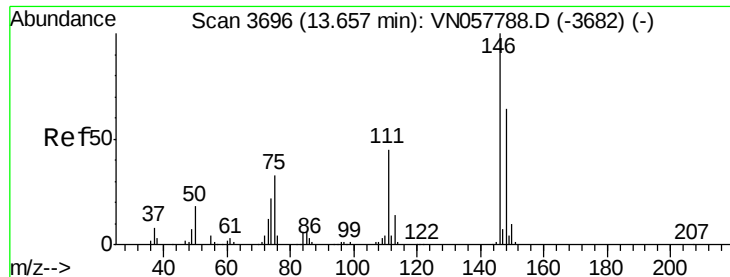
MMDadoda
9/13/2019 11:04:28 AM



#86
Hexachloroethane
Concen: 4.315 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	36.7	110.1





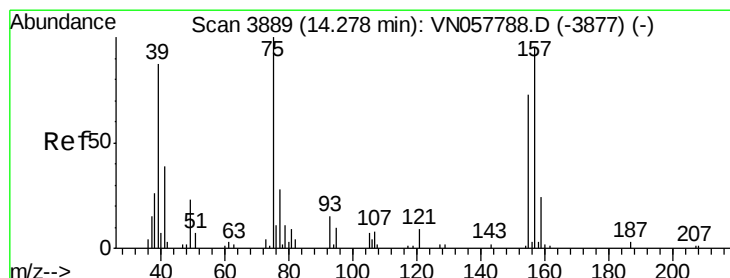
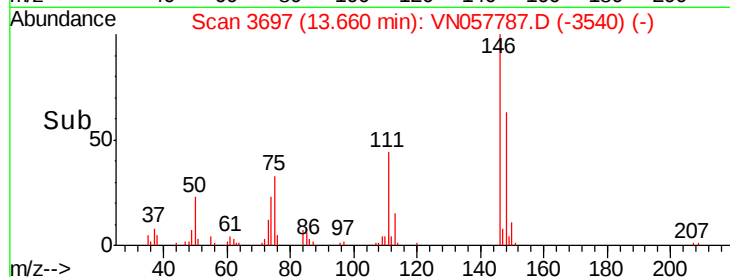
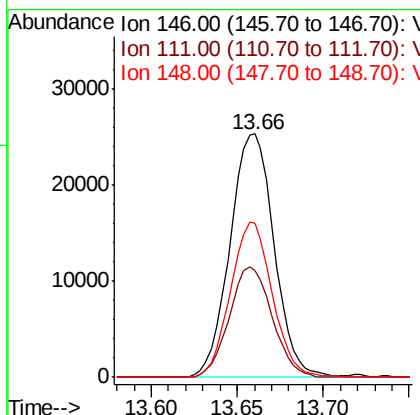
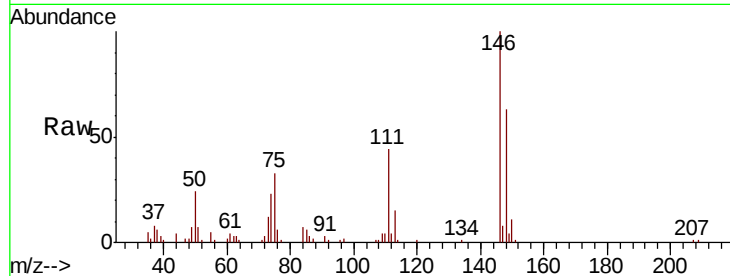
#87
 1,2-Dichlorobenzene
 Concen: 4.846 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	60.5	32.1	96.3

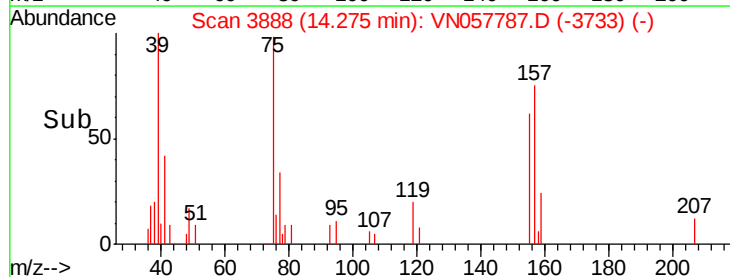
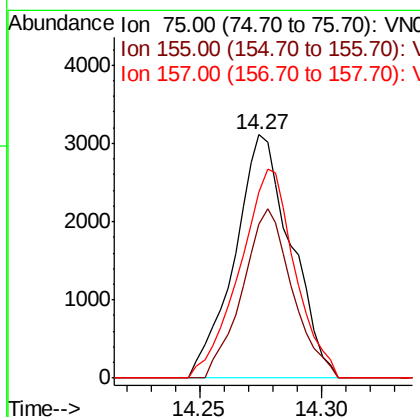
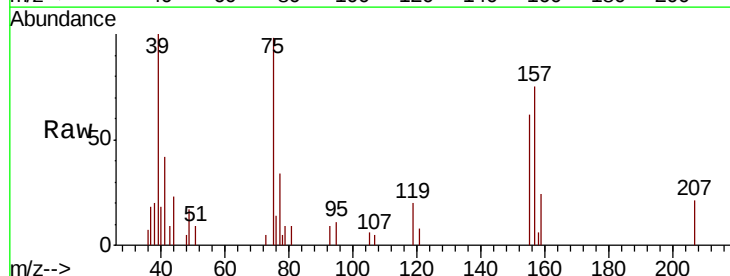
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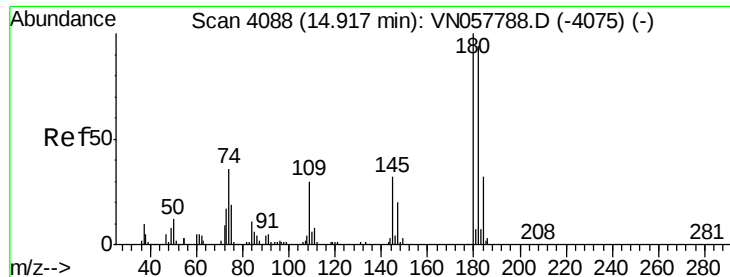
MMDadoda
 9/13/2019 11:04:28 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.186 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.5	59.4	89.2
157	84.1	74.6	112.0





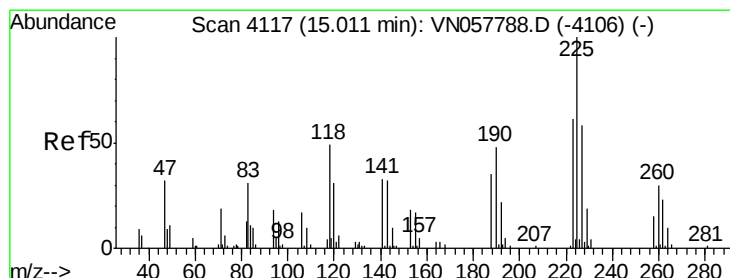
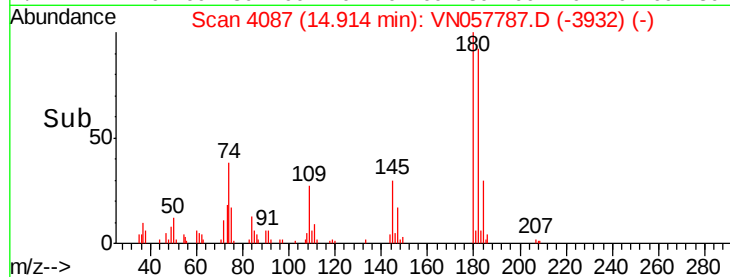
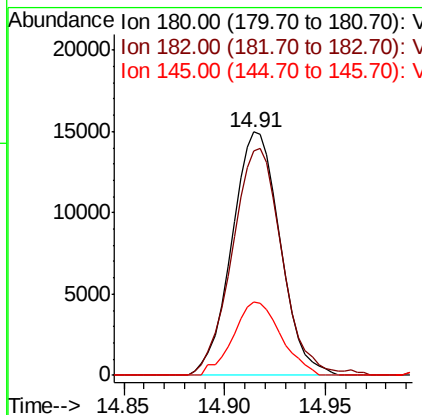
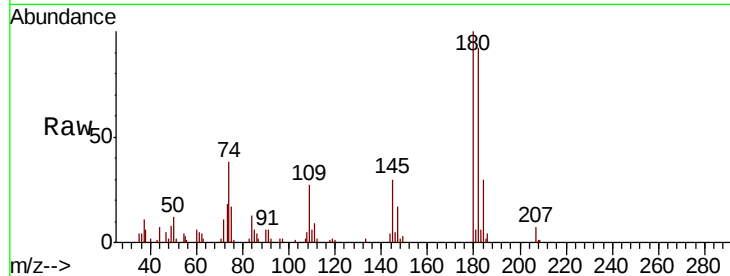
#89
 1,2,4-Trichlorobenzene
 Concen: 4.398 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
145	29.7	26.1	39.1

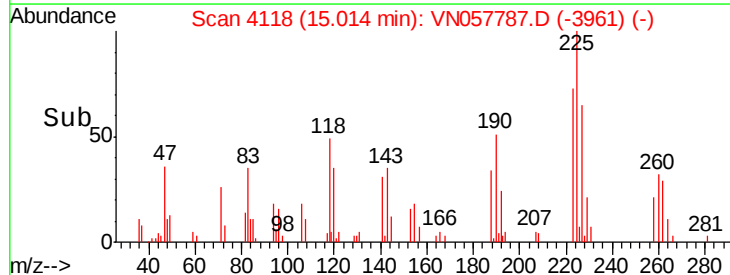
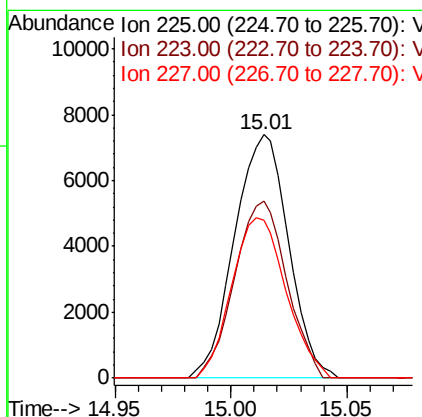
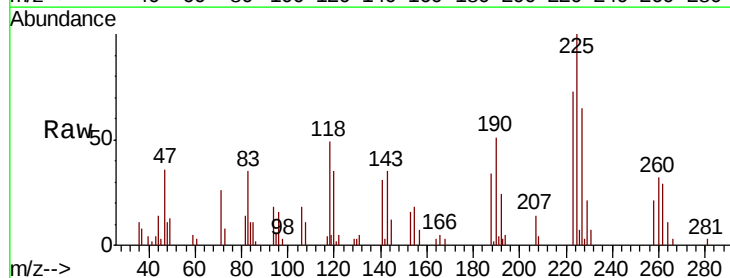
Manual Integrations
 APPROVED

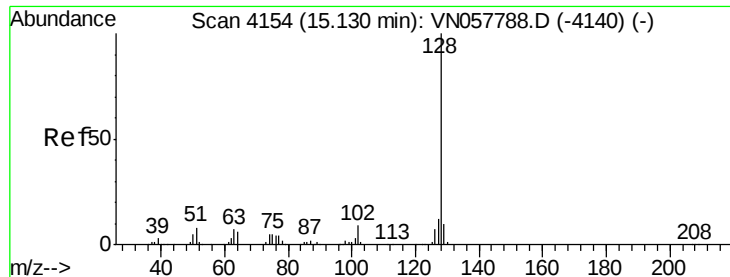
MMDadoda
 9/13/2019 11:04:28 AM



#90
 Hexachlorobutadiene
 Concen: 4.551 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057787.D
 Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.3	0.0	125.0
227	66.3	0.0	123.8





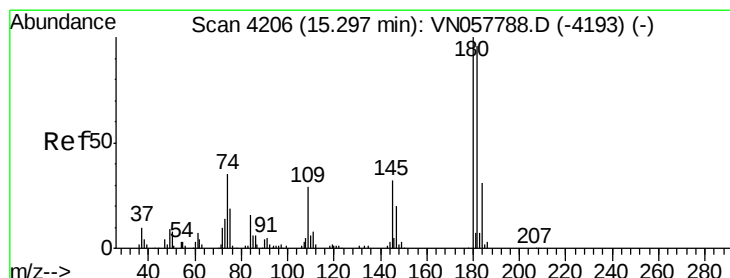
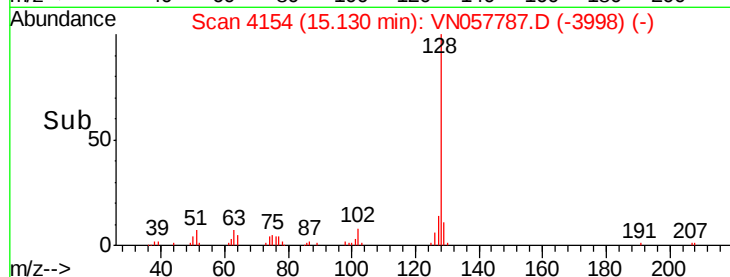
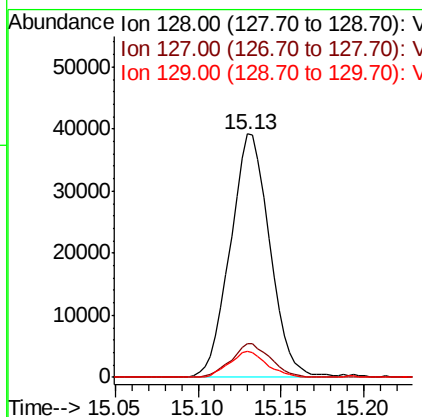
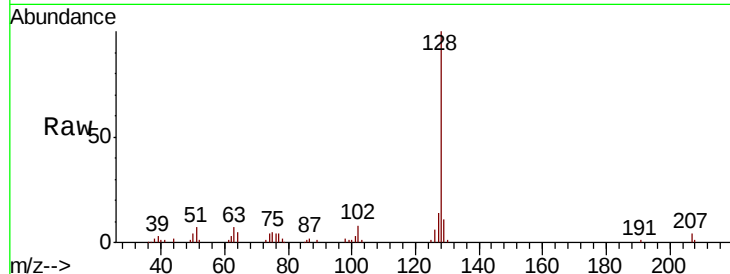
#91
Naphthalene
Concen: 4.140 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.7	9.9	14.9
129	10.0	8.1	12.1

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 4.354 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057787.D
Acq: 9 Sep 2019 8:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.4	0.0	189.8
145	32.9	0.0	65.0

