

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058048.D
 Acq On : 14 Sep 2019 3:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:23 PM

Quant Time: Sep 14 06:41:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	318879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	521459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	334974	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	7.58	113	239029	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.09	98	952543	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	349868	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	218295	49.500	ug/l	100
3) Chloromethane	2.04	50	183961	40.928	ug/l	100
4) Vinyl Chloride	2.17	62	194195	40.823	ug/l	99
5) Bromomethane	2.54	94	116271	44.305	ug/l	98
6) Chloroethane	2.68	64	124640	41.118	ug/l	98
7) Trichlorofluoromethane	3.00	101	261732	43.721	ug/l	100
8) Diethyl Ether	3.39	74	121543	48.678	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	186683	49.433	ug/l	99
10) Methyl Iodide	3.93	142	192383	45.779	ug/l	100
11) Tert butyl alcohol	4.76	59	198142	253.475	ug/l	99
12) 1,1-Dichloroethene	3.72	96	156584	46.115	ug/l	93
13) Acrolein	3.59	56	27312	41.183	ug/l	97
14) Allyl chloride	4.30	41	305284	45.942	ug/l	98
15) Acrylonitrile	4.96	53	559420	260.367	ug/l	100
16) Acetone	3.79	43	477153	225.363	ug/l	100
17) Carbon Disulfide	4.03	76	218230	41.322	ug/l	99
18) Methyl Acetate	4.30	43	319906	56.668	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	740320	52.390	ug/l	99
20) Methylene Chloride	4.53	84	220373	54.792	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	174723	47.601	ug/l	98
22) Diisopropyl ether	5.93	45	817753	52.477	ug/l	96
23) Vinyl Acetate	5.87	43	2954320	267.509	ug/l	100
24) 1,1-Dichloroethane	5.83	63	440298	51.699	ug/l	99
25) 2-Butanone	6.82	43	757059	247.048	ug/l	99
26) 2,2-Dichloropropane	6.81	77	254567	37.770	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	245967	50.004	ug/l	100
28) Bromochloromethane	7.18	49	224811	52.837	ug/l	96
29) Tetrahydrofuran	7.19	42	489634	259.297	ug/l	99
30) Chloroform	7.36	83	461477	51.823	ug/l	97
31) Cyclohexane	7.64	56	291787	50.289	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	359909	50.961	ug/l	98
36) 1,1-Dichloropropene	7.78	75	283751	46.920	ug/l	100
37) Ethyl Acetate	6.91	43	305651	48.918	ug/l	99
38) Carbon Tetrachloride	7.76	117	280388	50.782	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	294081	46.258	ug/l	98
40) Benzene	8.03	78	907011	49.816	ug/l	99
41) Methacrylonitrile	7.16	41	123276m	43.464	ug/l	
42) 1,2-Dichloroethane	8.11	62	378489	51.978	ug/l	100
43) Isopropyl Acetate	8.15	43	600983	57.196	ug/l	96
44) Trichloroethene	8.83	130	218216	48.865	ug/l	98
45) 1,2-Dichloropropane	9.11	63	272715	51.475	ug/l	100
46) Dibromomethane	9.20	93	165550	51.711	ug/l	99
47) Bromodichloromethane	9.40	83	343585	53.744	ug/l	98
48) Methyl methacrylate	9.19	41	275080	51.609	ug/l	100
49) 1,4-Dioxane	9.19	88	85034	943.391	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1698112	273.095	ug/l	100
52) Toluene	10.15	92	573798	50.037	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	342503	50.875	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	375967	50.582	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	258706	53.259	ug/l	98
56) Ethyl methacrylate	10.43	69	379254	51.847	ug/l	99
57) 1,3-Dichloropropane	10.71	76	432628	51.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	831548	241.360	ug/l	99
59) 2-Hexanone	10.75	43	1212002	260.050	ug/l	100
60) Dibromochloromethane	10.90	129	242276	53.712	ug/l	98
61) 1,2-Dibromoethane	11.00	107	240472	52.364	ug/l	100
64) Tetrachloroethene	10.63	164	187628	51.891	ug/l	99
65) Chlorobenzene	11.43	112	649403	50.670	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239039	53.751	ug/l	99
67) Ethyl Benzene	11.51	91	1170616	52.118	ug/l	100
68) m/p-Xylenes	11.62	106	860179	104.550	ug/l	99
69) o-Xylene	11.95	106	427136	52.222	ug/l	97
70) Styrene	11.97	104	759128	53.929	ug/l	99
71) Bromoform	12.13	173	149534	53.932	ug/l	97
73) Isopropylbenzene	12.25	105	1200778	51.263	ug/l	99
74) N-amyl acetate	12.07	43	511167	50.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	388677	49.282	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	316947m	46.414	ug/l	
77) Bromobenzene	12.53	156	282693	48.406	ug/l	97
78) n-propylbenzene	12.59	91	1414898	52.603	ug/l	99
79) 2-Chlorotoluene	12.68	91	840218	49.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1041193	52.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84903	43.753	ug/l	95
82) 4-Chlorotoluene	12.78	91	891952	51.091	ug/l	100
83) tert-Butylbenzene	13.00	119	897050	50.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1054782	52.437	ug/l	99
85) sec-Butylbenzene	13.18	105	1224546	52.514	ug/l	99
86) p-Isopropyltoluene	13.29	119	1101214	53.598	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	537109	50.106	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	542984	49.903	ug/l	100
89) n-Butylbenzene	13.62	91	1004442	51.768	ug/l	100
90) Hexachloroethane	13.88	117	160554	52.544	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	540350	50.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70825	54.378	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	339137	48.450	ug/l	99
94) Hexachlorobutadiene	15.01	225	152005	51.228	ug/l	98
95) Naphthalene	15.13	128	962622	54.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	323584	52.894	ug/l	99

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

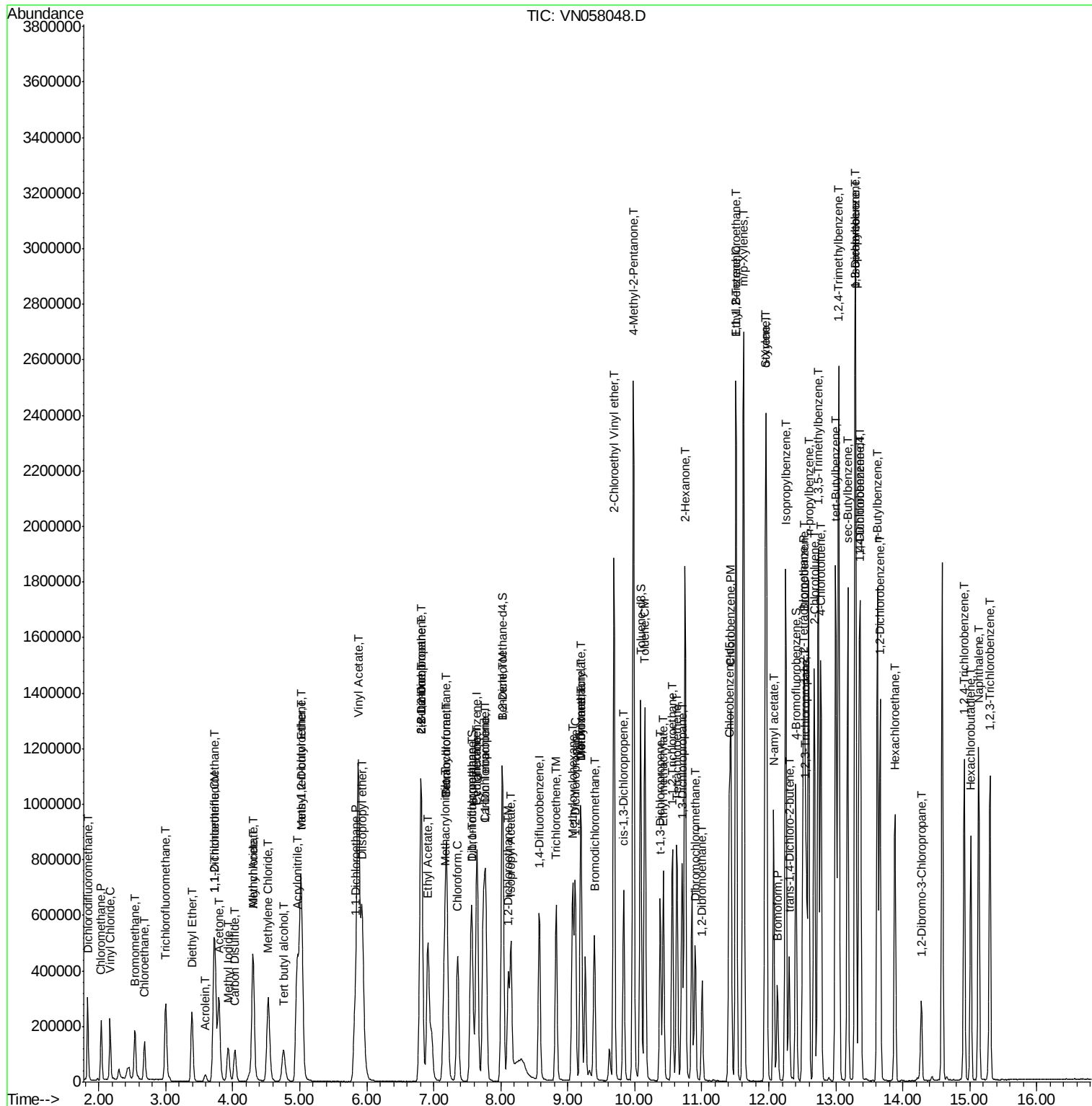
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
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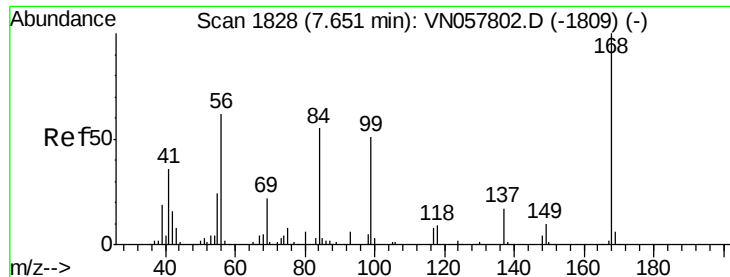
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 318879

Ion Ratio Lower Upper

168 100

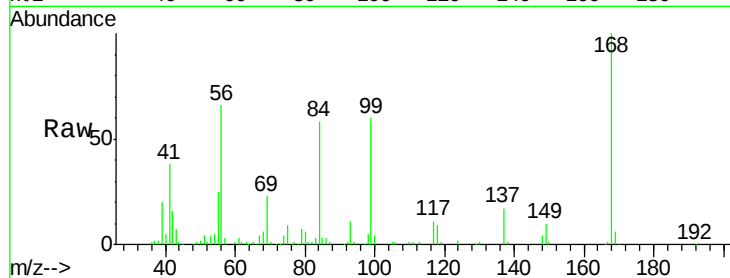
99 60.2 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

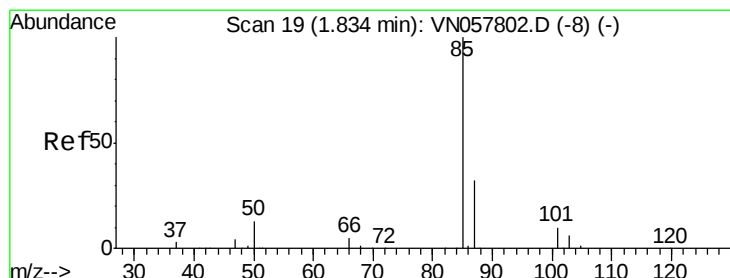
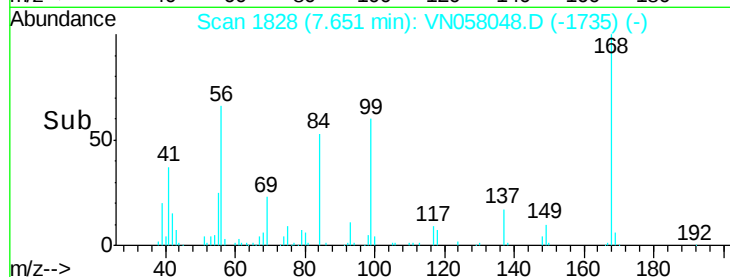
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.500 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058048.D

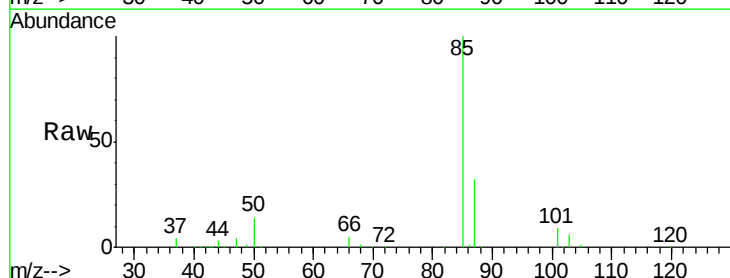
Acq: 14 Sep 2019 3:05

Tgt Ion: 85 Resp: 218295

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

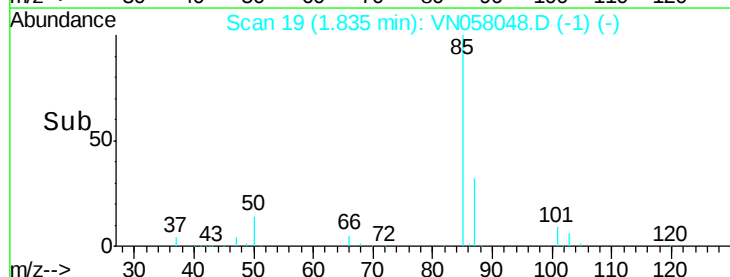
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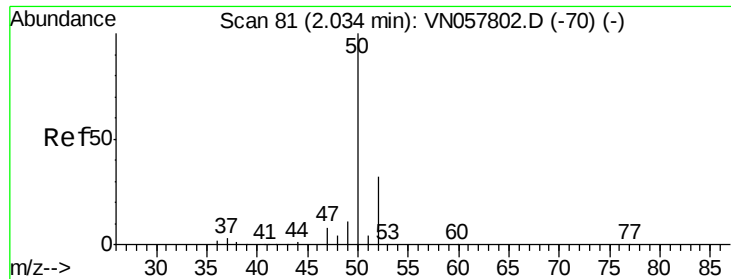
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.928 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 183961

Ion Ratio Lower Upper

50 100

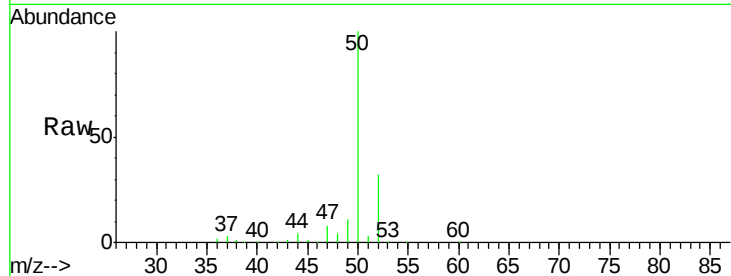
52 31.7 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058048.D (-1) (-)

2.04

150000

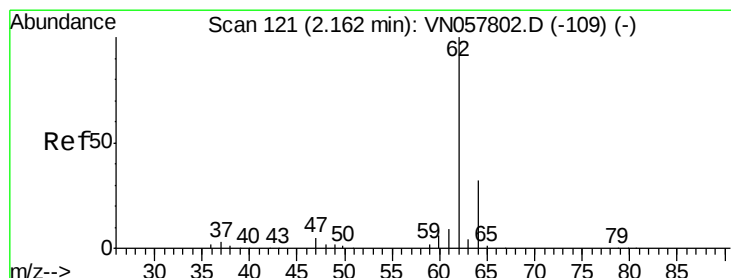
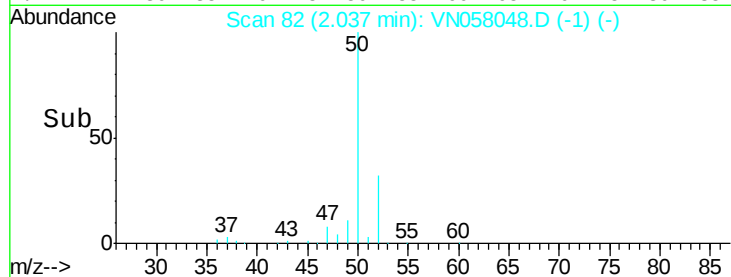
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 40.823 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058048.D

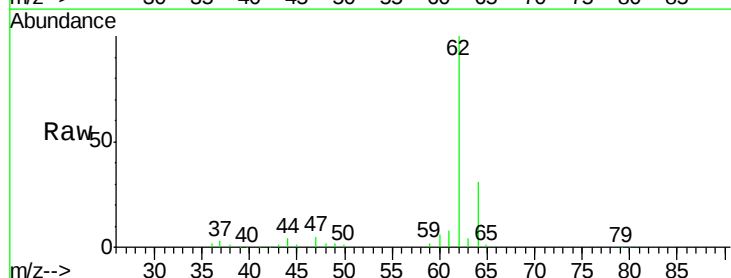
Acq: 14 Sep 2019 3:05

Tgt Ion: 62 Resp: 194195

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN058048.D (-28) (-)

2.17

150000

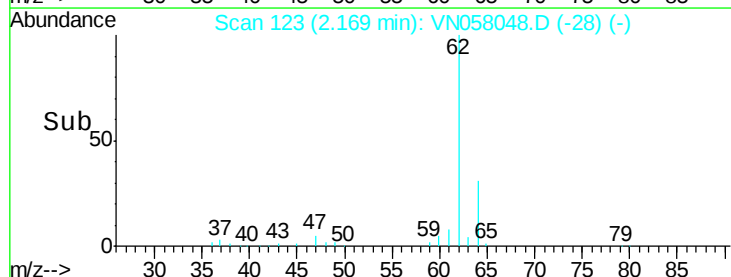
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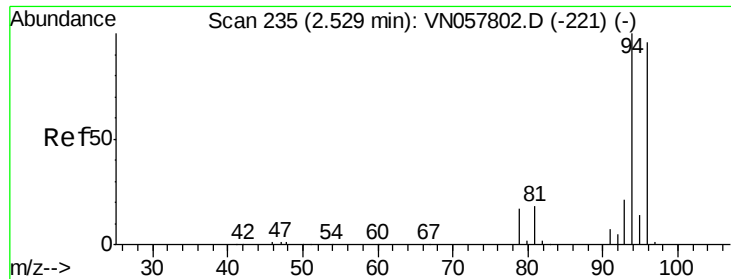
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 44.305 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 116271

Ion Ratio Lower Upper

94 100

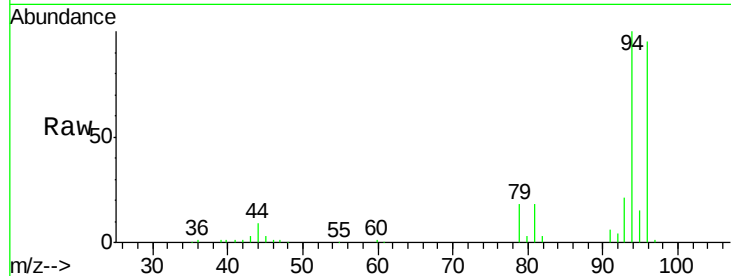
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Manual Integrations

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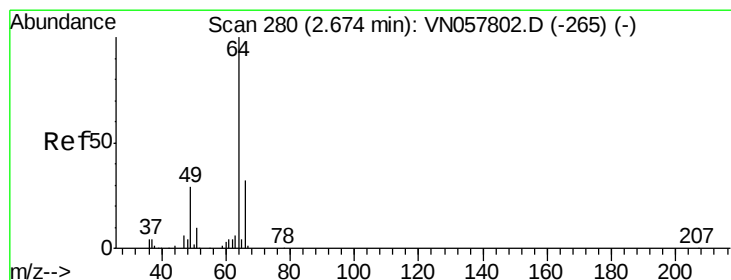
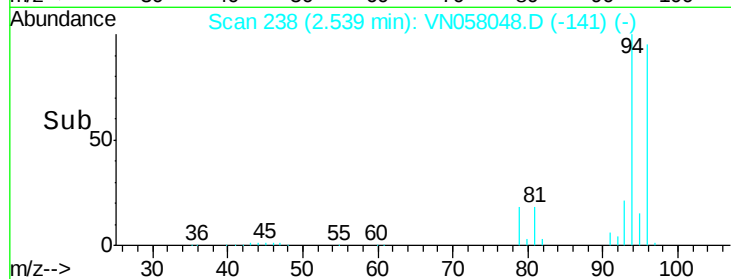
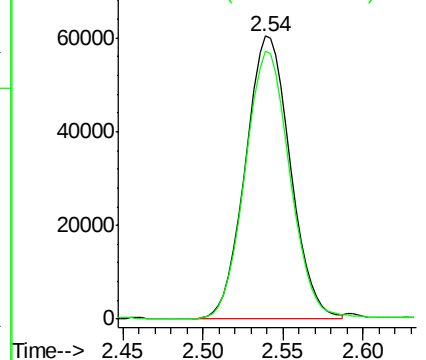
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 41.118 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058048.D

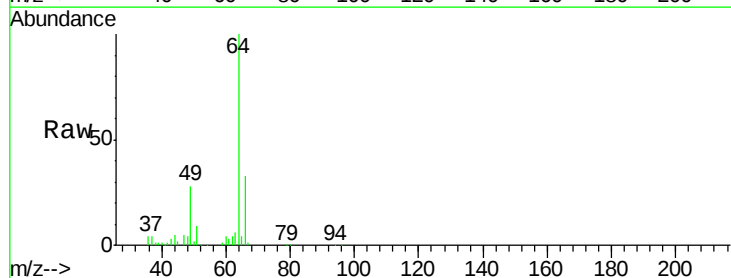
Acq: 14 Sep 2019 3:05

Tgt Ion: 64 Resp: 124640

Ion Ratio Lower Upper

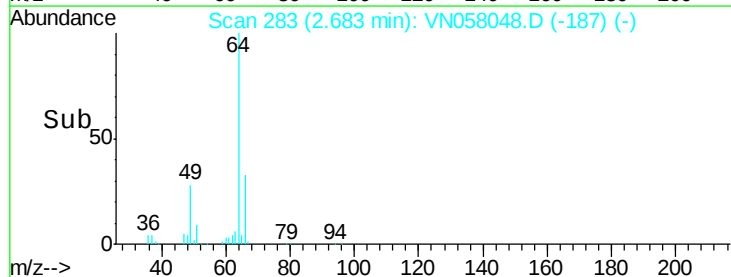
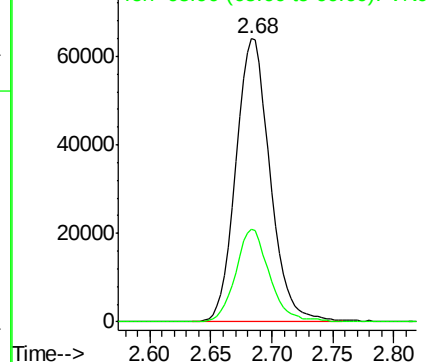
64 100

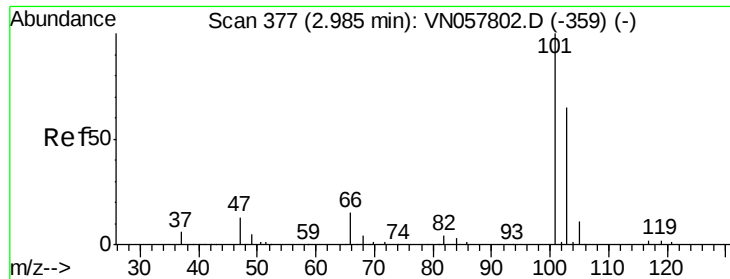
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

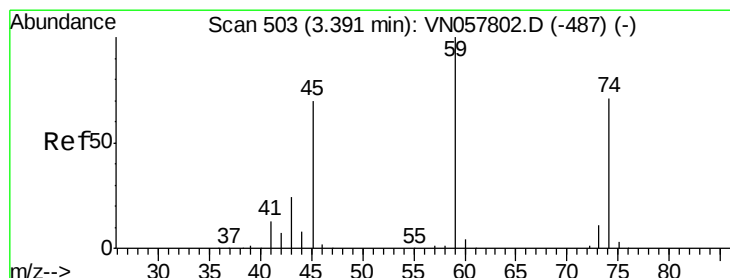
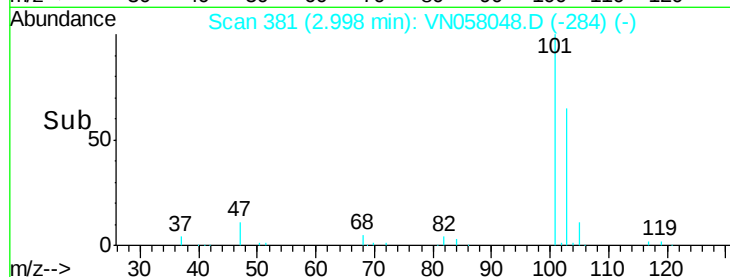
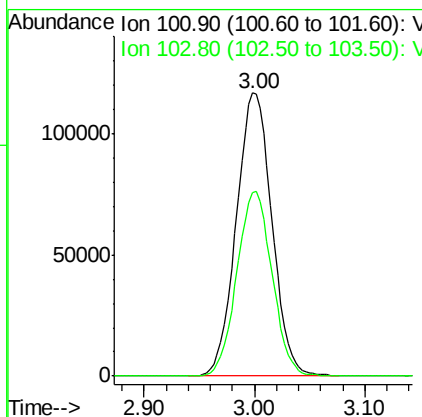
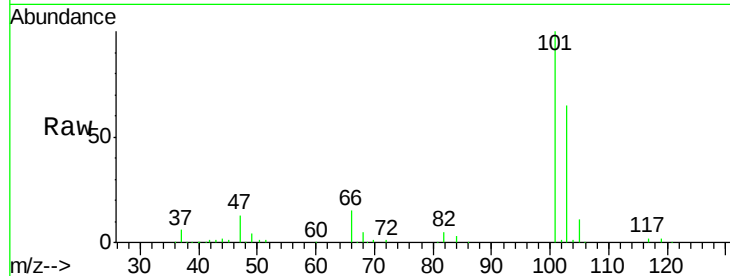
Trichlorofluoromethane
 Concen: 43.721 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.9	77.9

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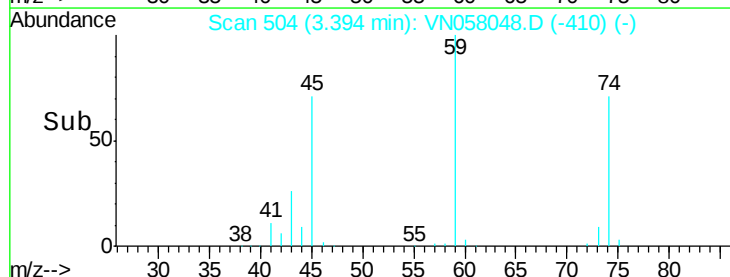
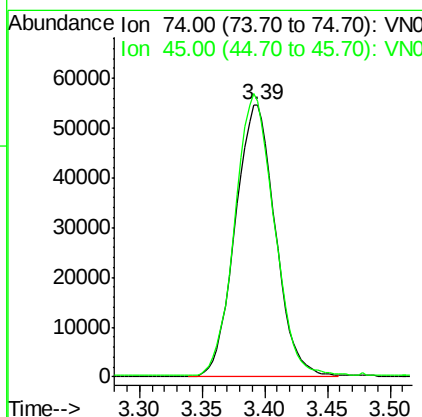
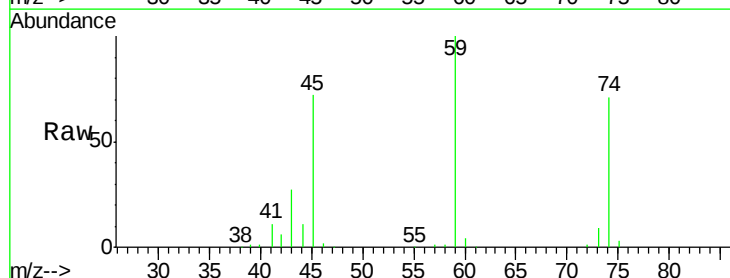
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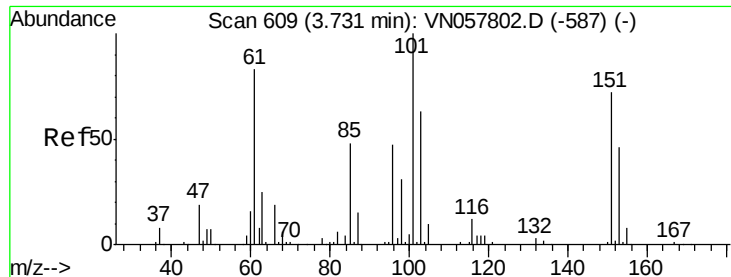


#8

Diethyl Ether
 Concen: 48.678 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.433 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

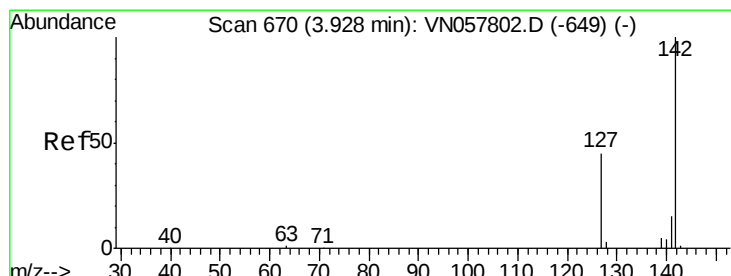
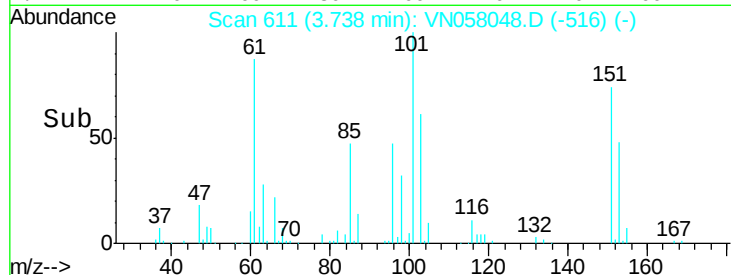
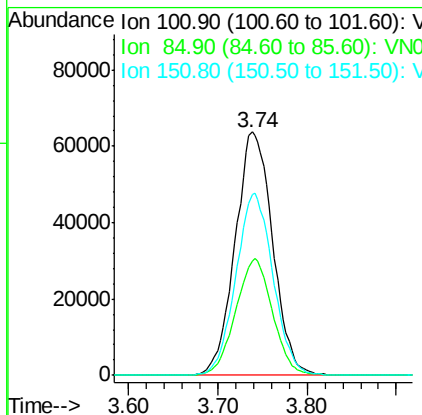
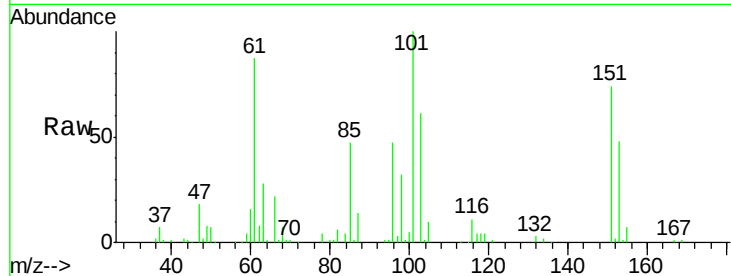
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	186683
Ion Ratio	Lower	Upper	
101	100		
85	47.0	38.1	57.1
151	74.1	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 45.779 ug/l

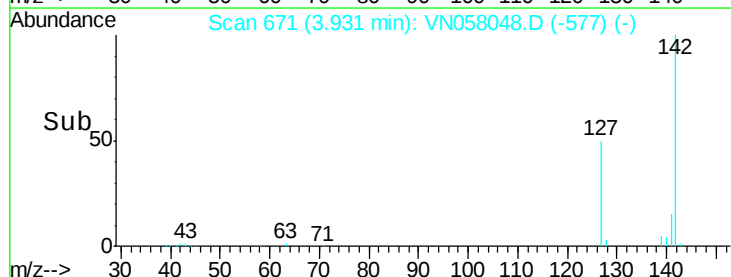
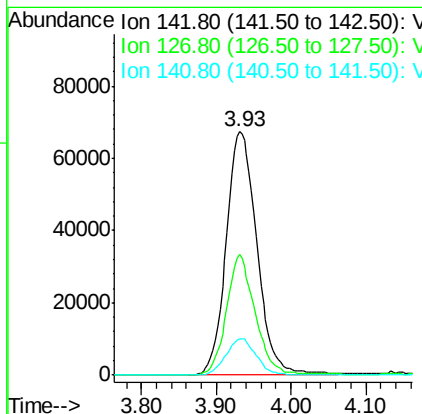
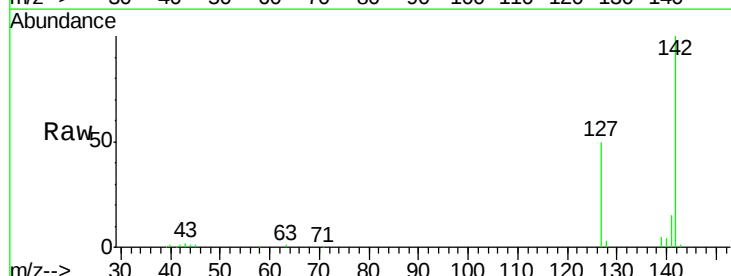
RT: 3.93 min Scan# 671

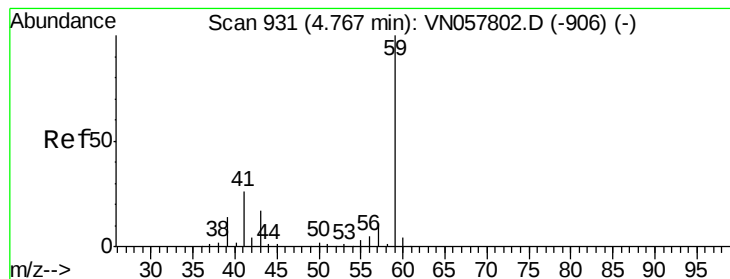
Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion:	142	Resp:	192383
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.7	55.1
141	14.7	11.4	17.0





#11

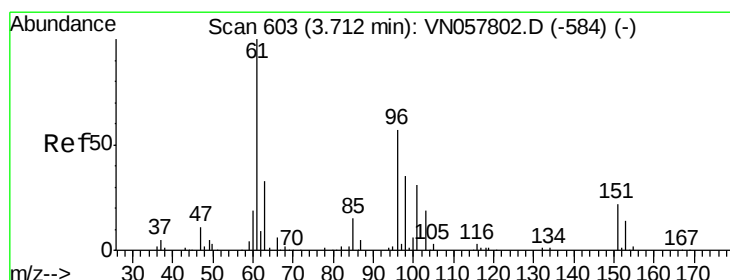
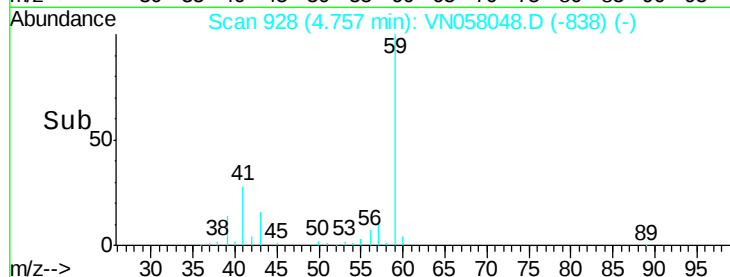
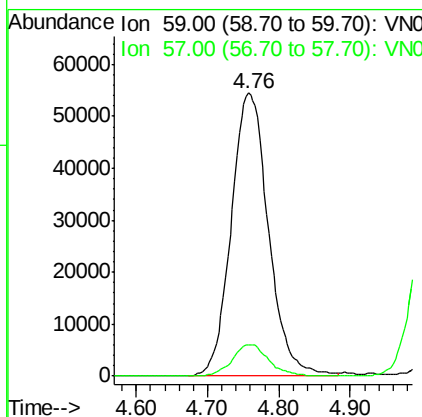
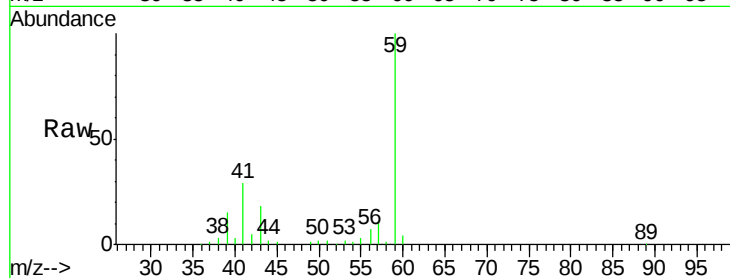
Tert butyl alcohol
 Concen: 253.475 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	198142		
57	10.9		8.4	12.6

Manual Integrations
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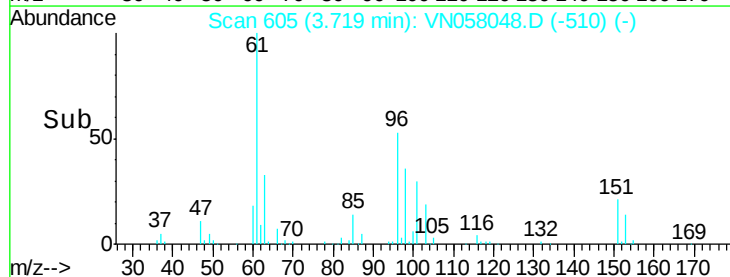
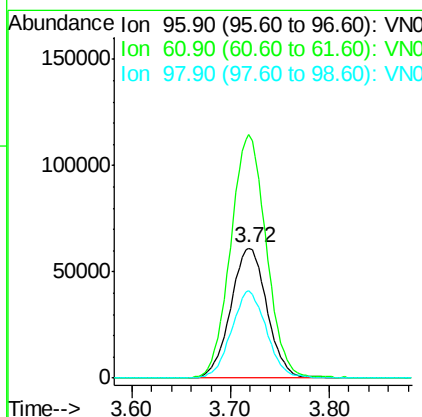
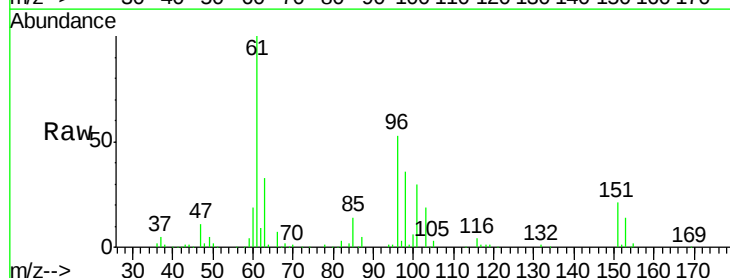
MMDadoda
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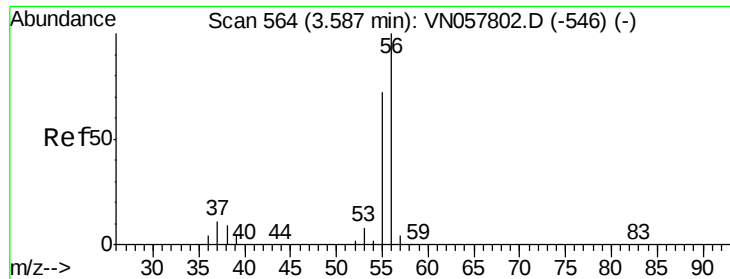


#12

1,1-Dichloroethene
 Concen: 46.115 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	156584		
61	186.7		141.2	211.8
98	66.9		49.9	74.9





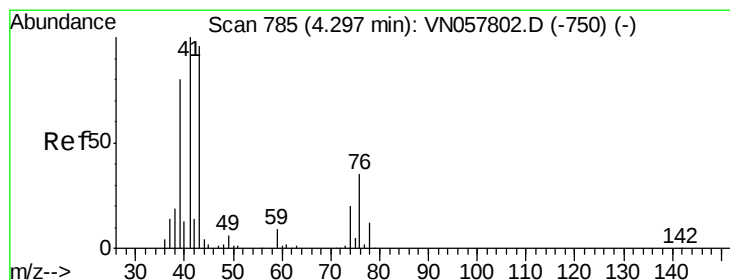
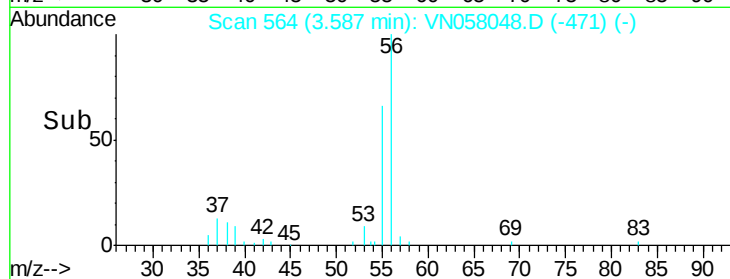
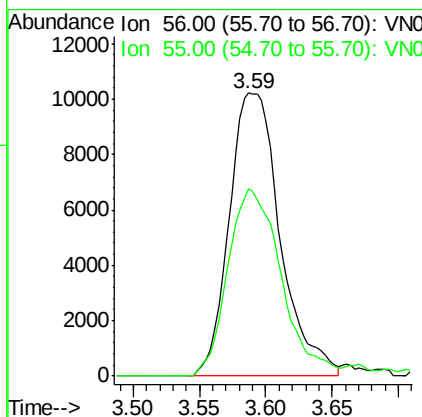
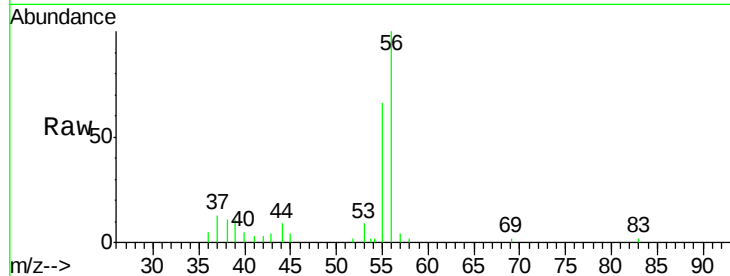
#13
Acrolein
Concen: 41.183 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
27312							
	56	55	100	69.1		57.3	85.9

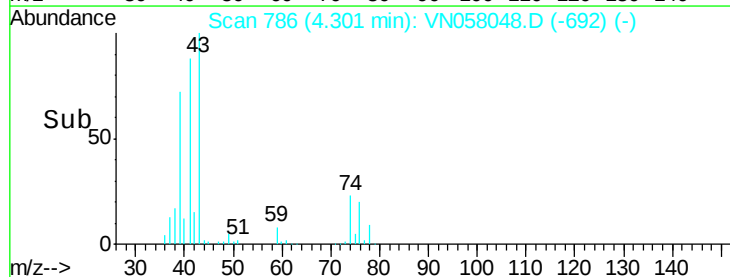
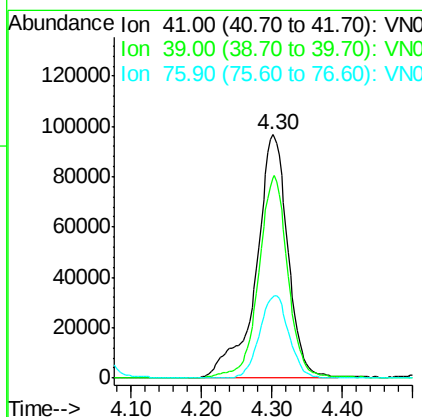
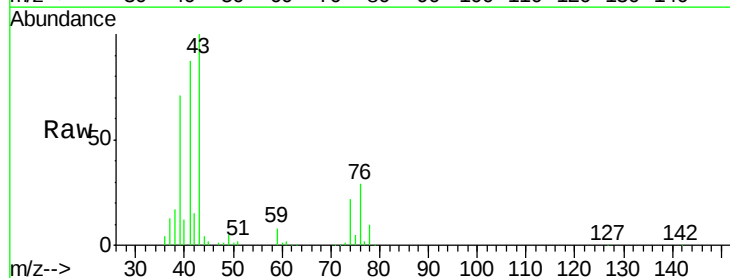
Manual Integrations
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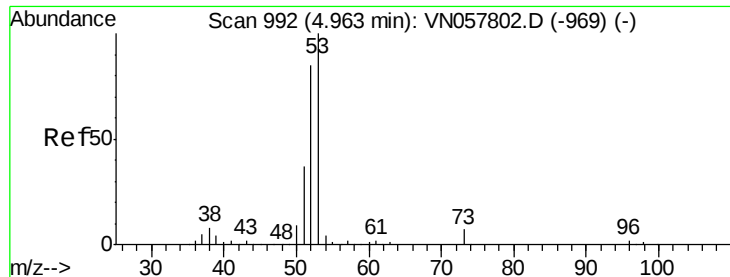
MMDadoda
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#14
Allyl chloride
Concen: 45.942 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	41	39	76	Ratio	100	Resp	Lower	Upper
305284								
	41	39	76	100	75.2	59.4	89.2	39.0





#15

Acrylonitrile

Concen: 260.367 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

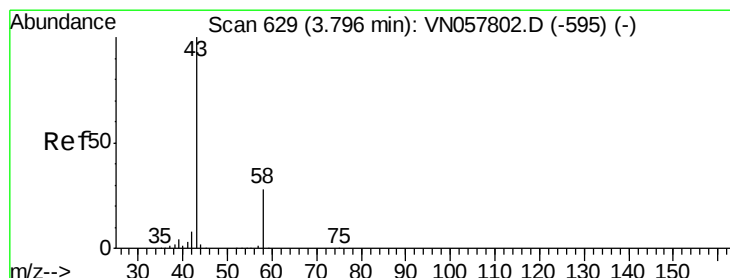
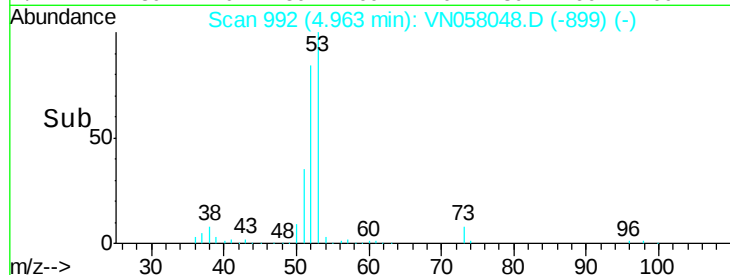
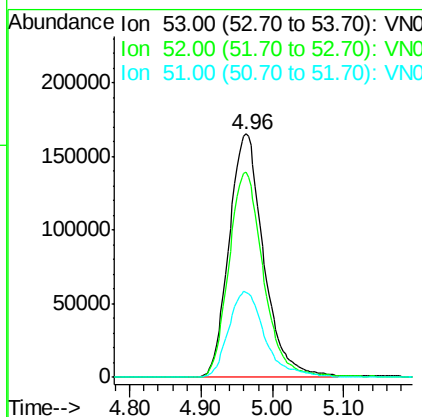
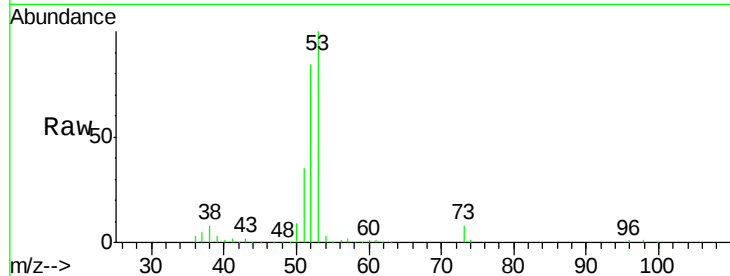
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	559420
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 225.363 ug/l

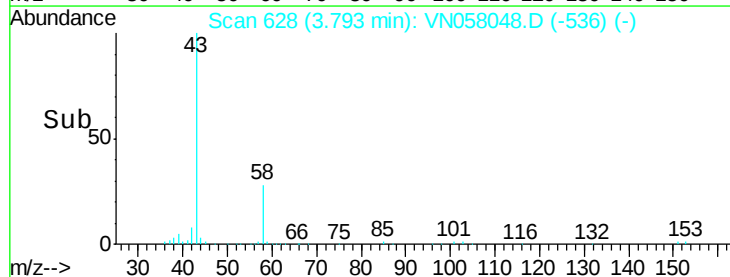
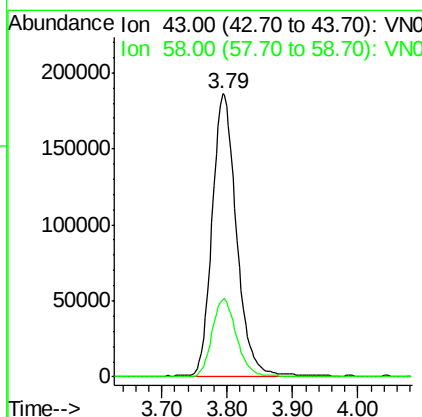
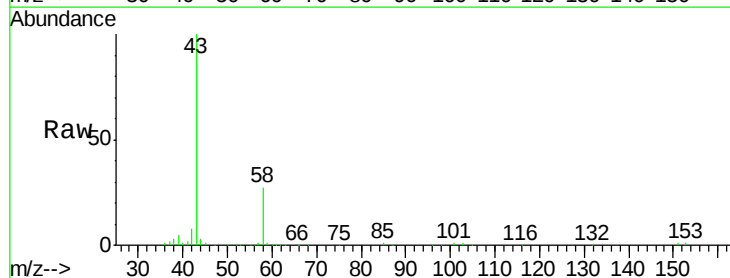
RT: 3.79 min Scan# 628

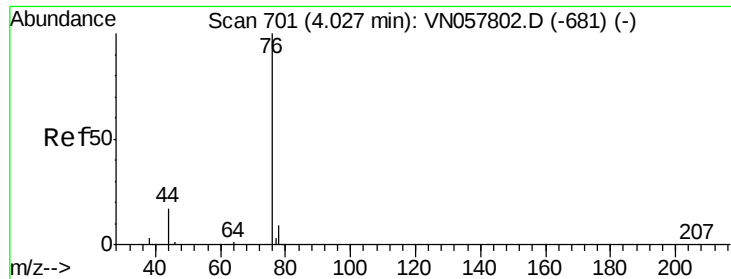
Delta R.T. -0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion:	43	Resp:	477153
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.2	33.2





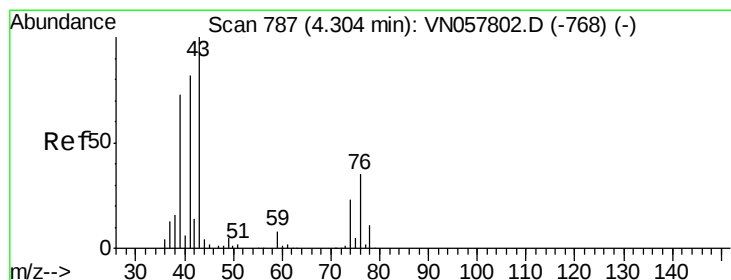
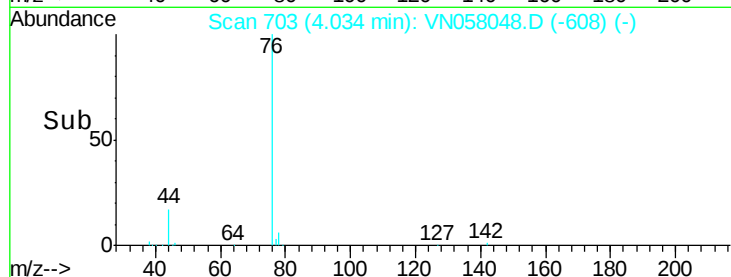
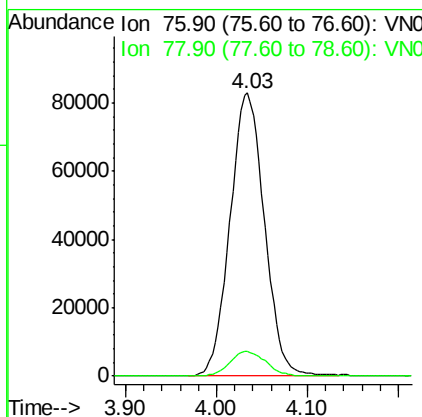
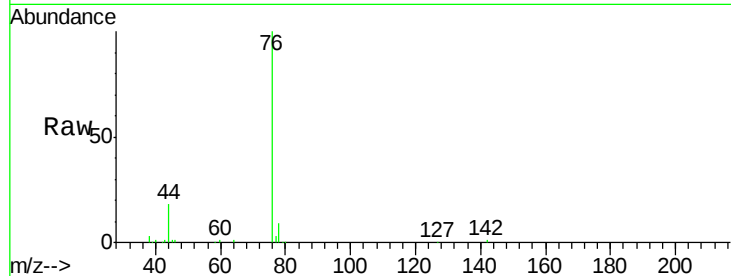
#17
Carbon Disulfide
Concen: 41.322 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	218230		
78	8.7		7.1	10.7

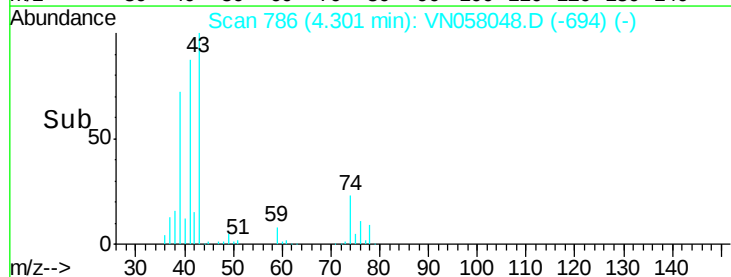
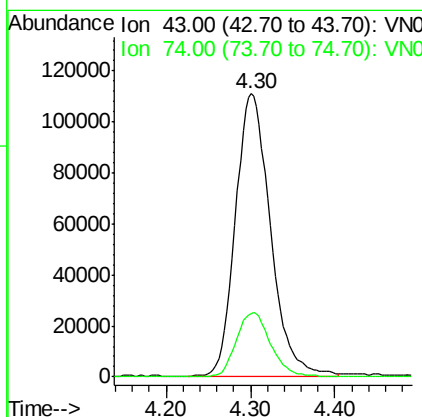
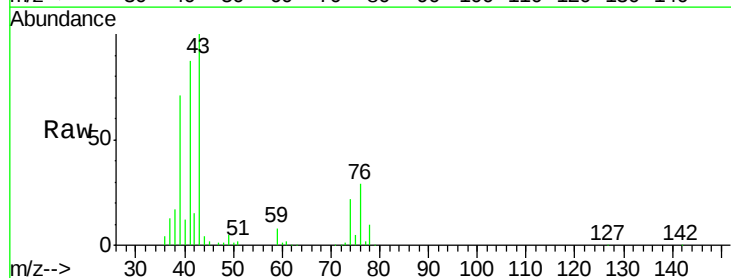
Manual Integrations
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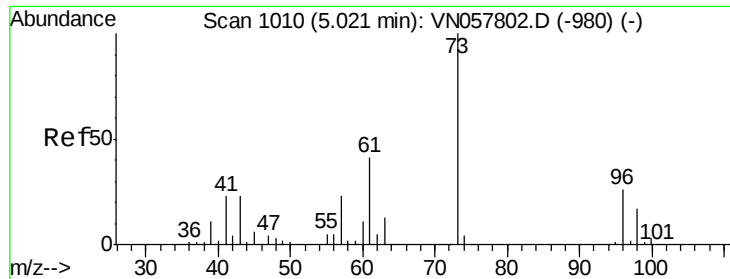
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#18
Methyl Acetate
Concen: 56.668 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	319906		
74	22.4		17.9	26.9





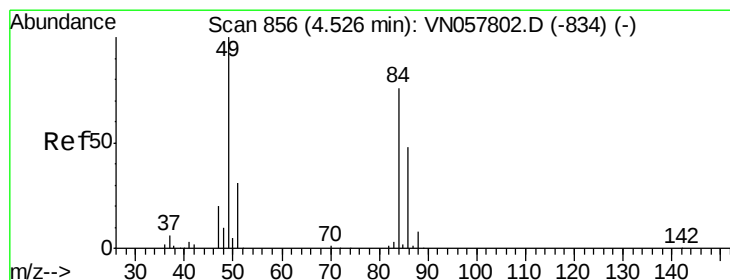
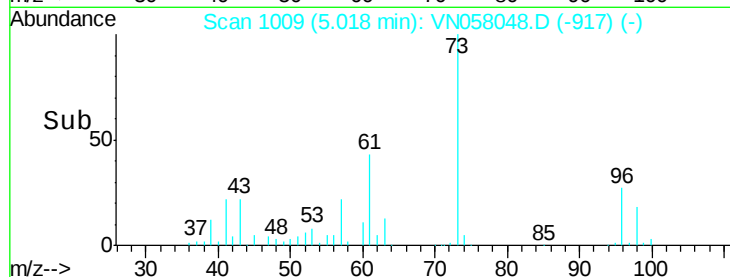
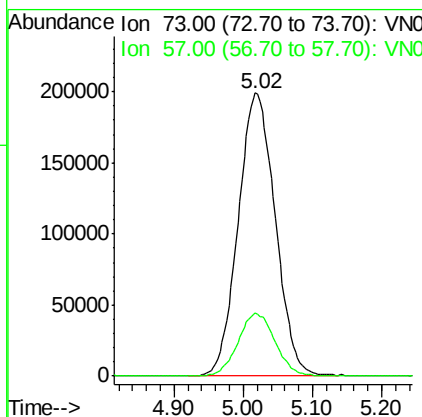
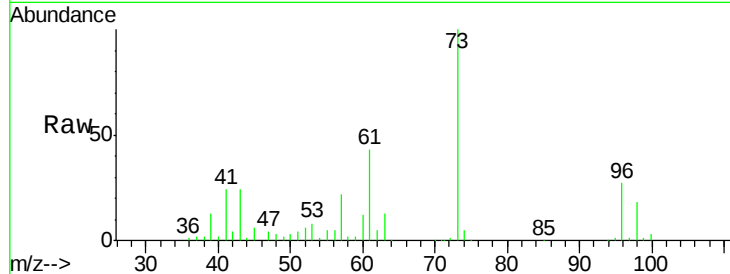
#19
Methvl tert-butvl Ether
Concen: 52.390 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 740320
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2

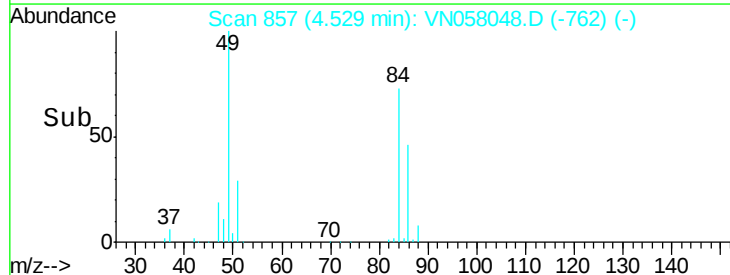
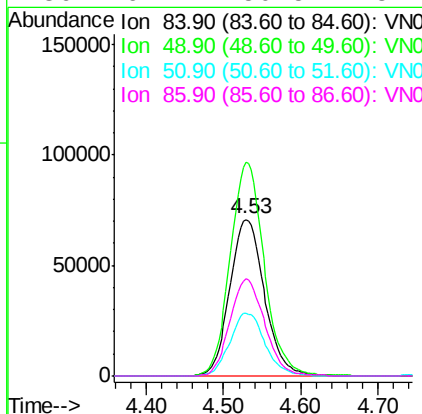
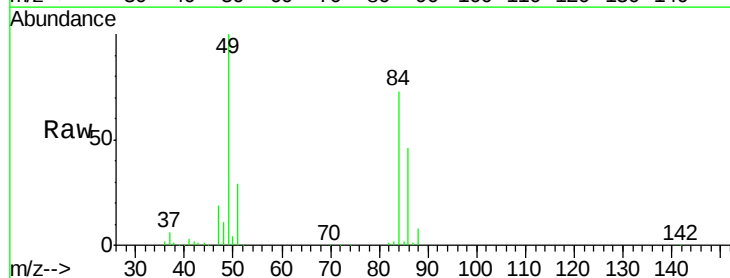
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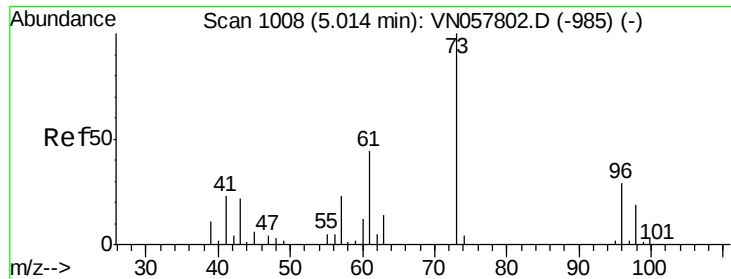
MMDadoda
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#20
Methylene Chloride
Concen: 54.792 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 84 Resp: 220373
Ion Ratio Lower Upper
84 100
49 136.4 104.8 157.2
51 40.0 33.0 49.4
86 62.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.601 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 174723

Ion Ratio Lower Upper

96 100

61 154.8 121.9 182.9

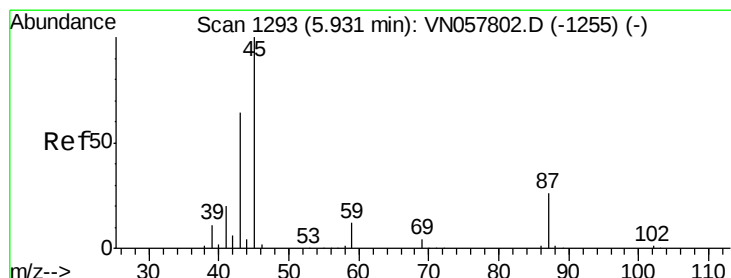
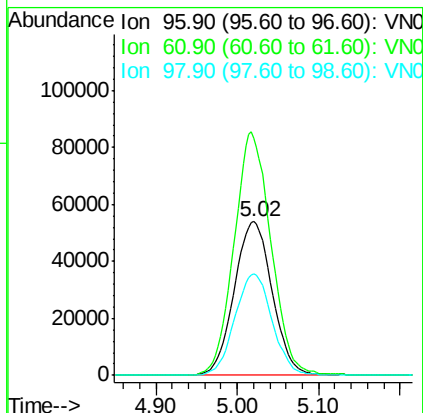
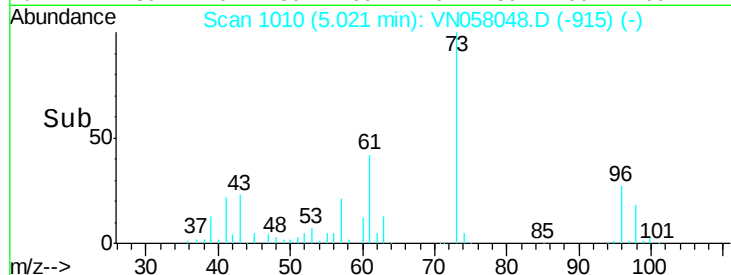
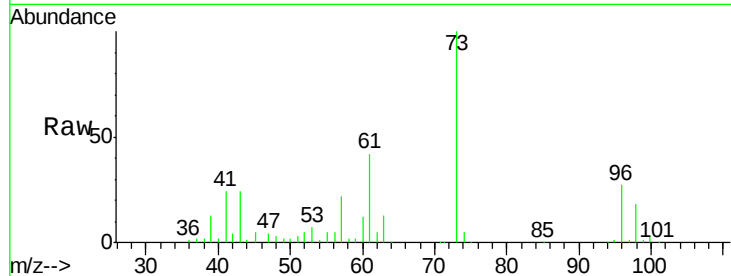
98 65.9 52.2 78.4

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#22

Diisopropyl ether

Concen: 52.477 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion: 45 Resp: 817753

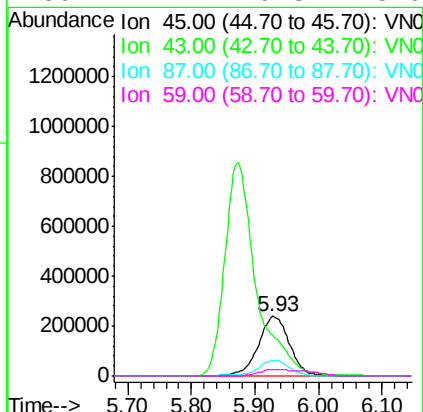
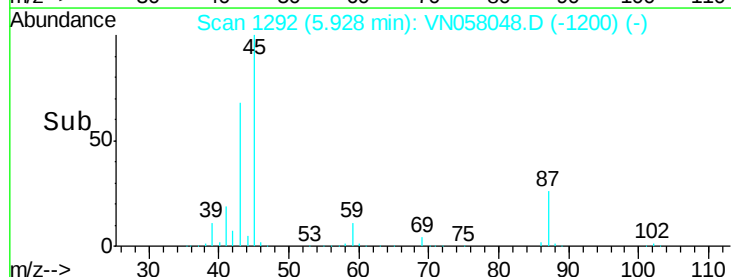
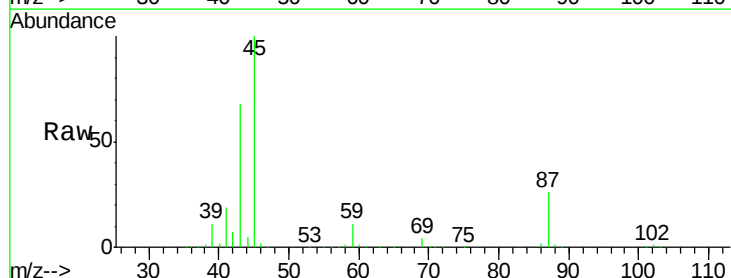
Ion Ratio Lower Upper

45 100

43 68.3 51.4 77.2

87 25.8 21.3 31.9

59 11.4 9.3 13.9





#23

Vinyl Acetate

Concen: 267.509 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2954320

Ion Ratio Lower Upper

43 100

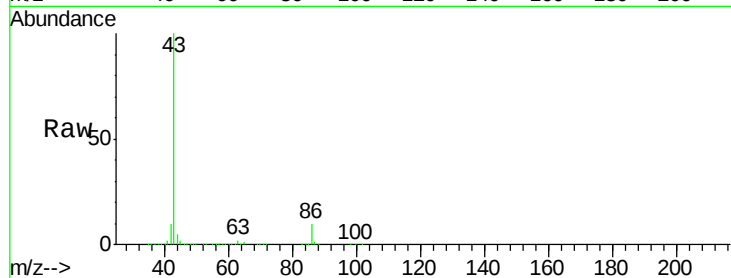
86 9.5 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1000000

800000

600000

400000

200000

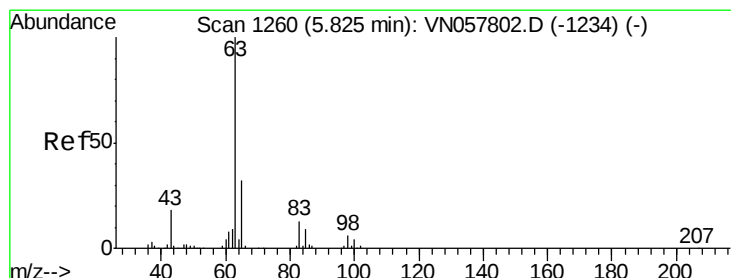
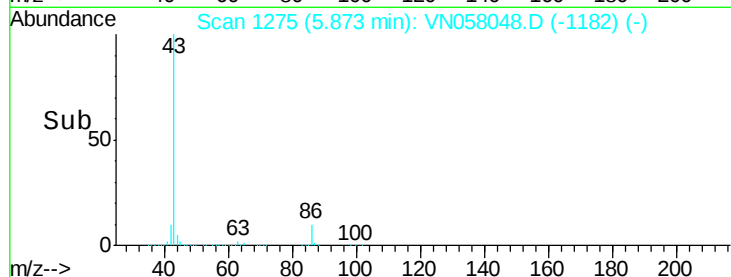
0

5.80

6.00

6.20

Time-->



#24

1,1-Dichloroethane

Concen: 51.699 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

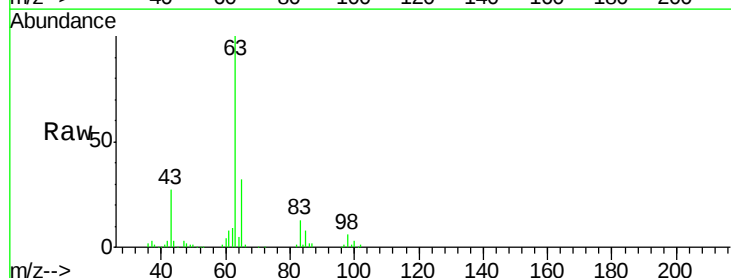
Tgt Ion: 63 Resp: 440298

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

100000

50000

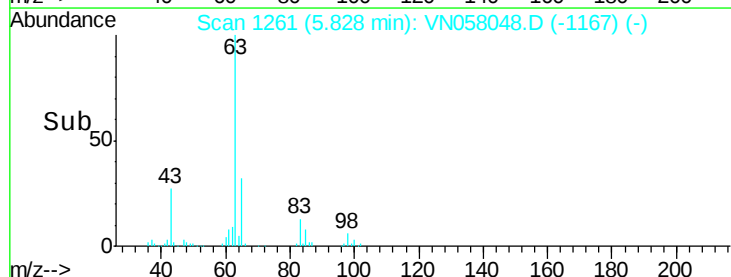
0

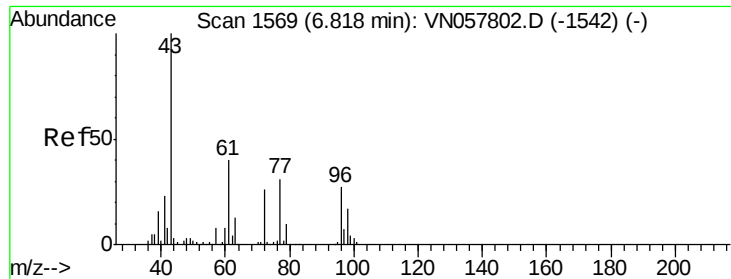
5.70

5.80

5.90

Time-->





#25

2-Butanone

Concen: 247.048 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 757059

Ion Ratio Lower Upper

43 100

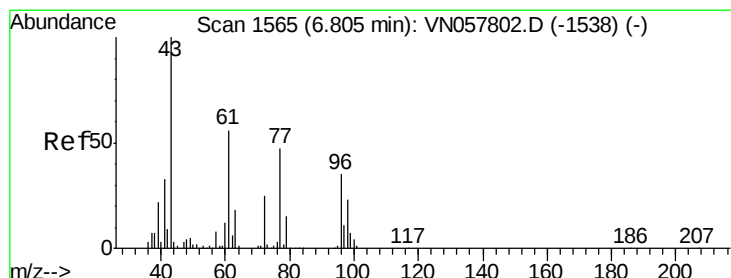
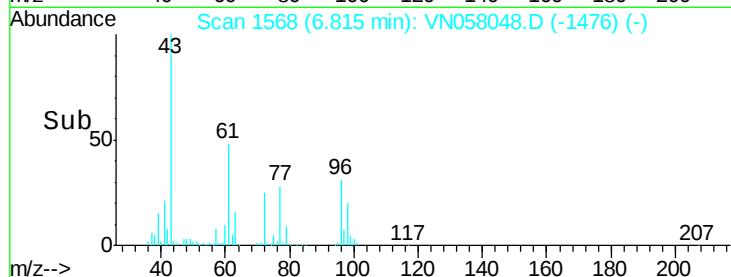
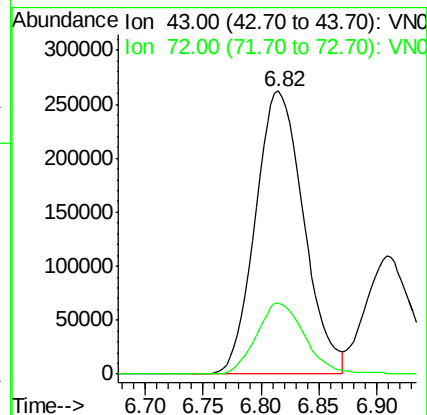
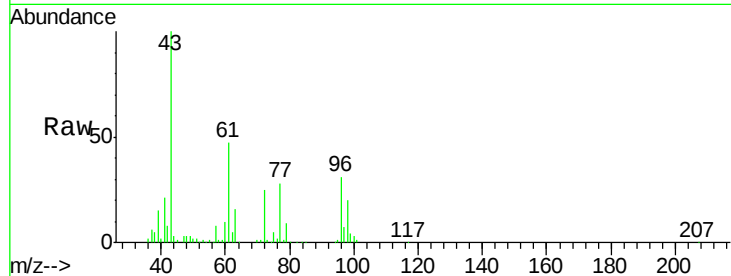
72 25.1 20.6 30.8

Manual Integrations

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MMDadoda

9/16/2019 2:11:23 PM



#26

2,2-Dichloropropane

Concen: 37.770 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058048.D

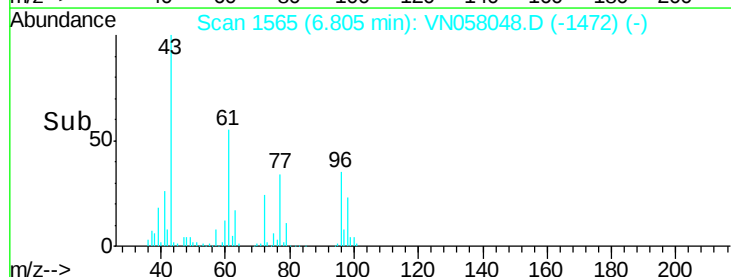
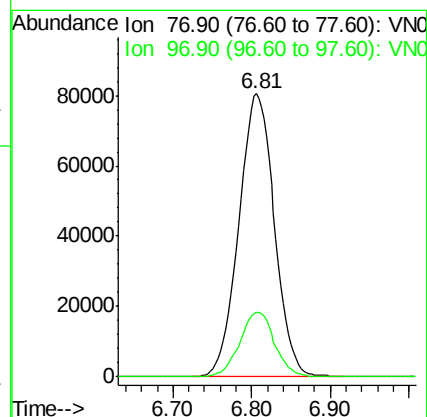
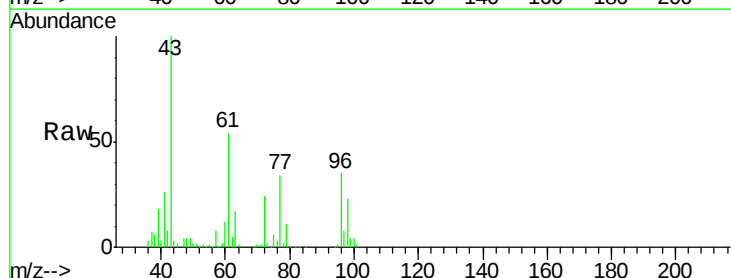
Acq: 14 Sep 2019 3:05

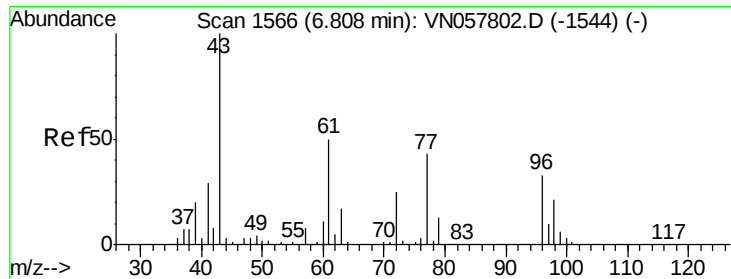
Tgt Ion: 77 Resp: 254567

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





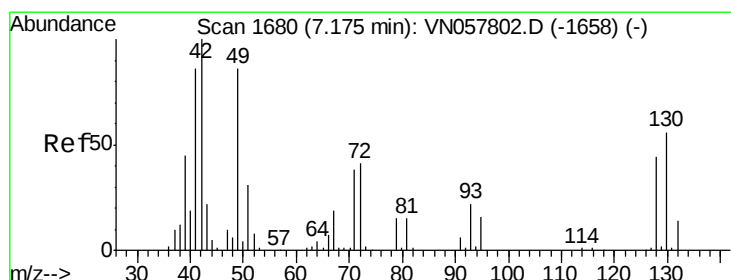
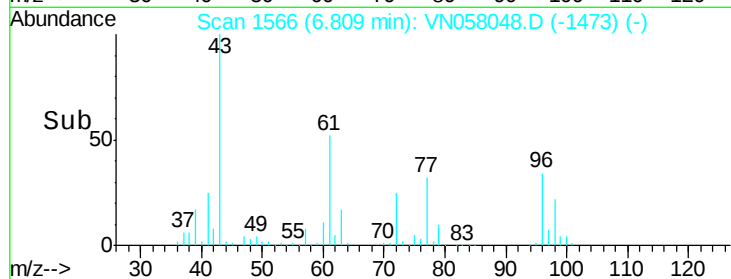
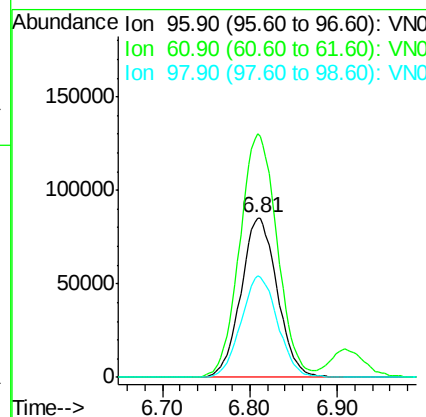
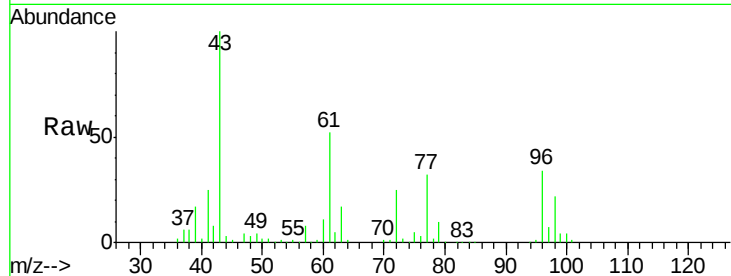
#27
 cis-1,2-Dichloroethene
 Concen: 50.004 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	245967		
61	157.2	0.0	314.0	
98	63.8	0.0	128.6	

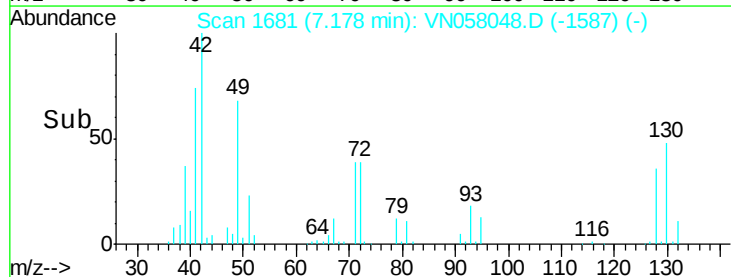
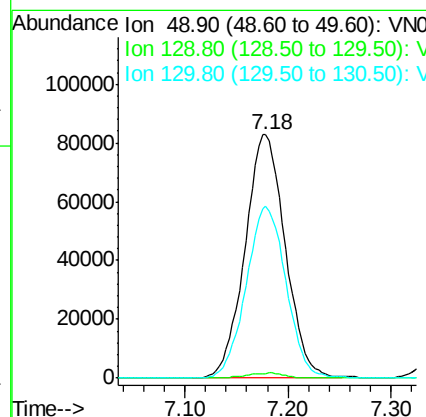
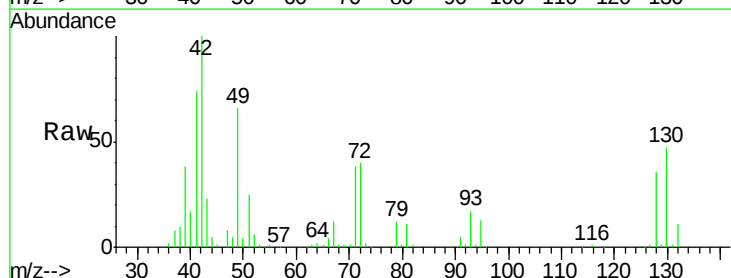
Manual Integrations
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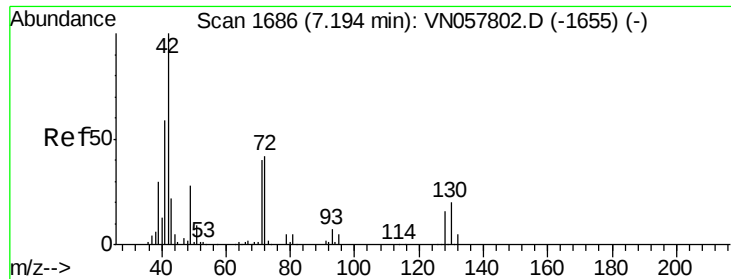
MMDadoda
 9/16/2019 2:11:23 PM



#28
 Bromochloromethane
 Concen: 52.837 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	224811		
129	1.9	0.0	3.8	
130	69.9	53.0	79.6	





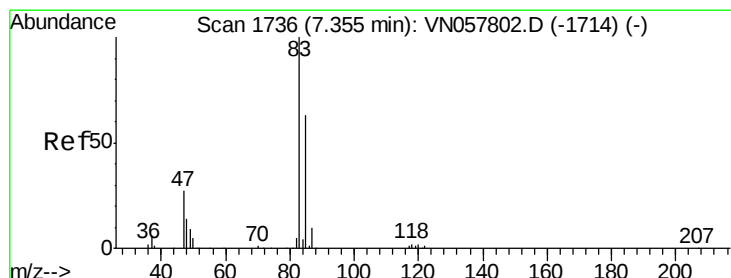
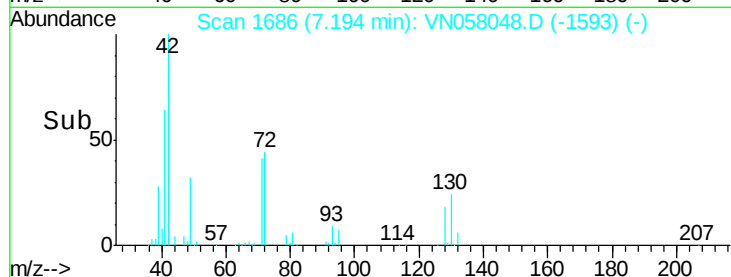
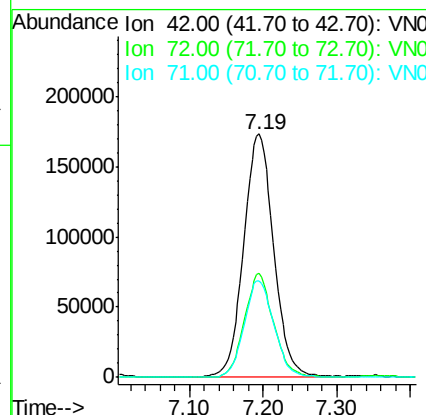
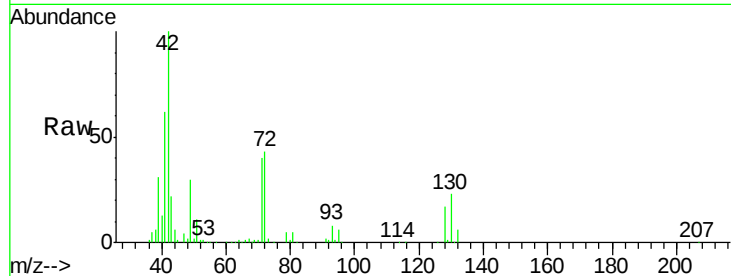
#29
Tetrahydrofuran
Concen: 259.297 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.6	31.9	47.9

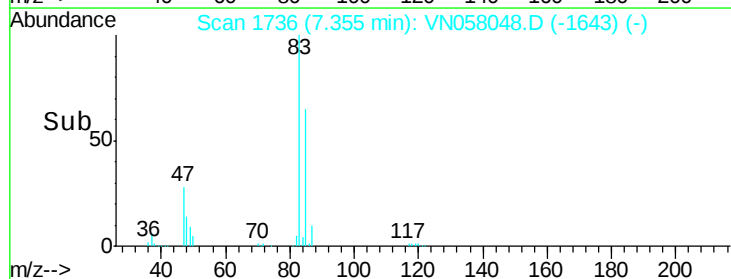
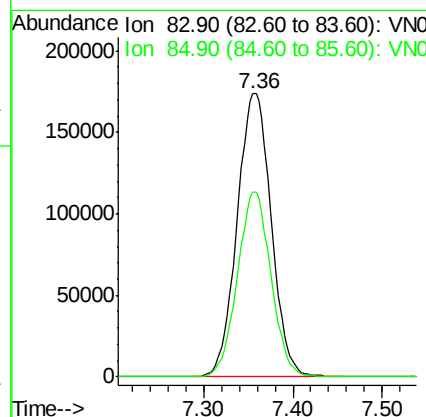
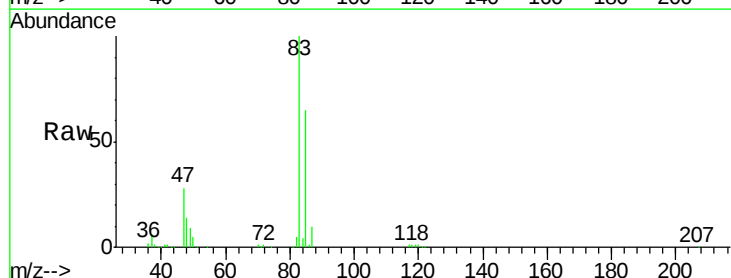
Manual Integrations
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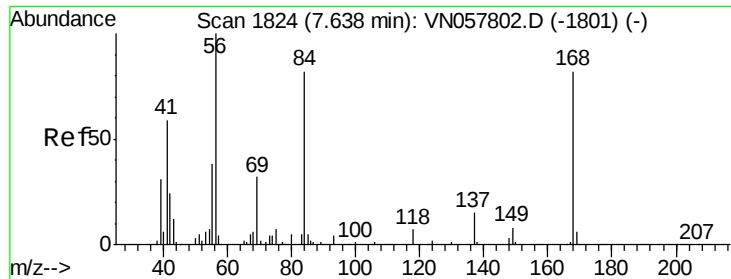
MMDadoda
9/16/2019 2:11:23 PM



#30
Chloroform
Concen: 51.823 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	75.8





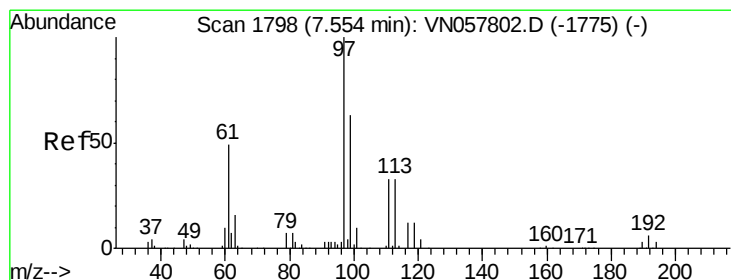
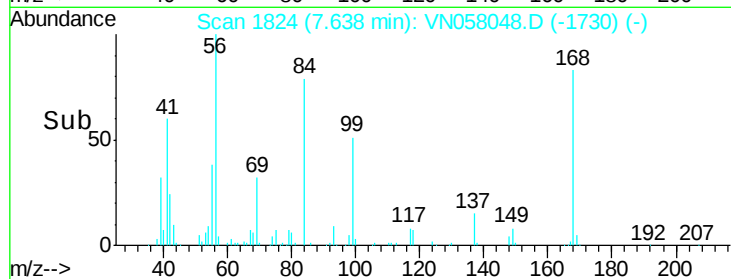
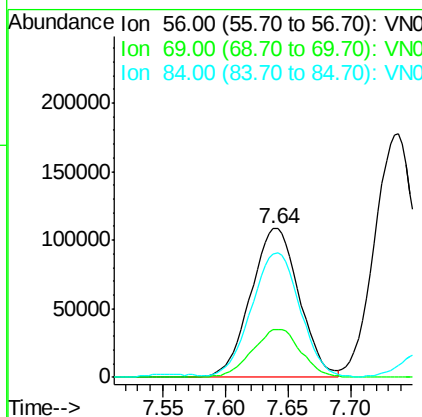
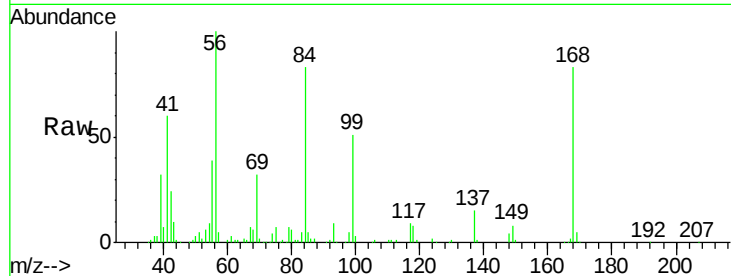
#31
Cyclohexane
Concen: 50.289 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.9	38.9
84	81.2	65.6	98.4

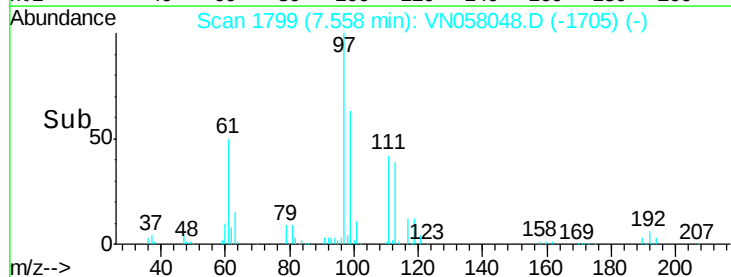
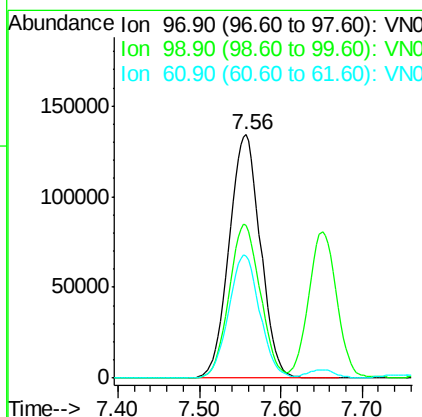
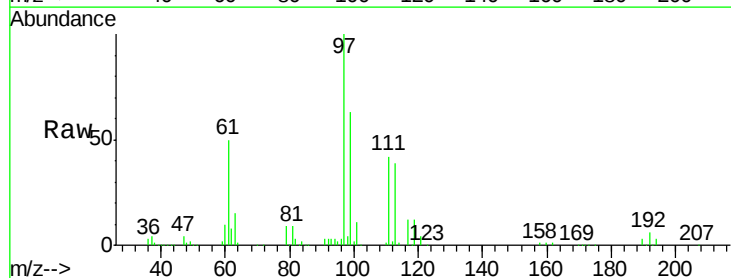
Manual Integrations
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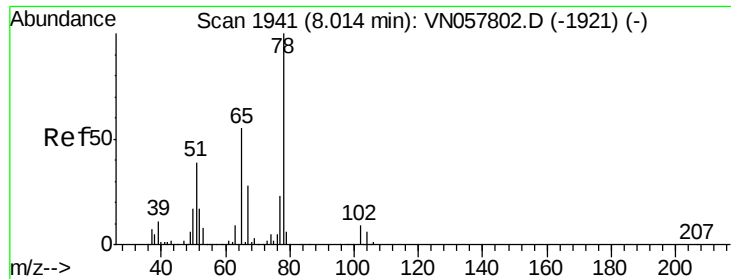
MMDadoda
9/16/2019 2:11:23 PM



#32
1,1,1-Trichloroethane
Concen: 50.961 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	50.4	39.0	58.6





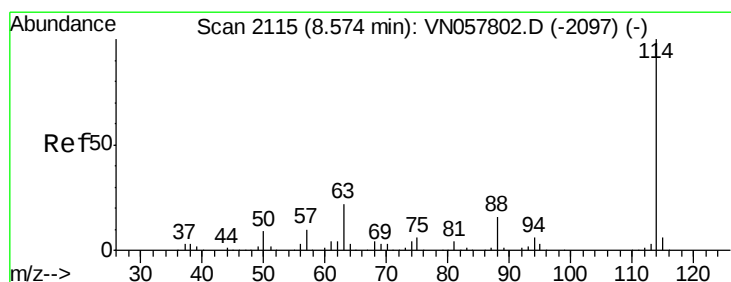
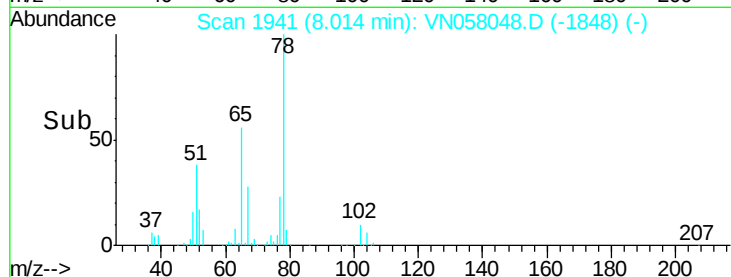
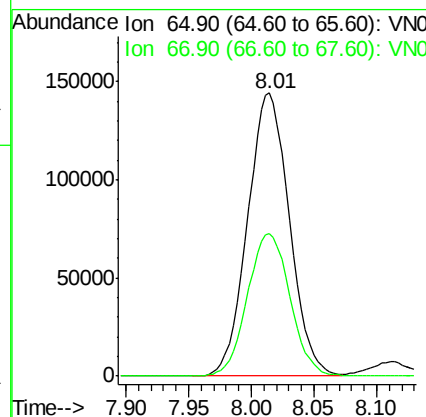
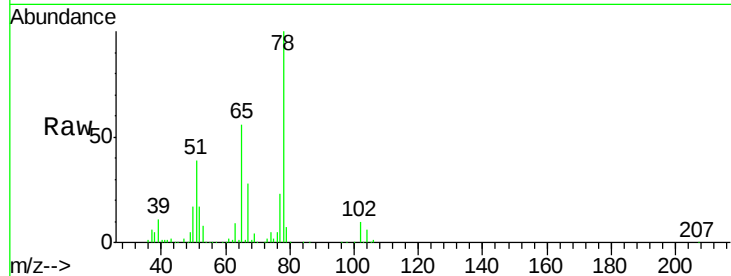
#33
 1,2-Dichloroethane-d4
 Concen: 51.864 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	334974		
67	51.3	0.0	104.0	

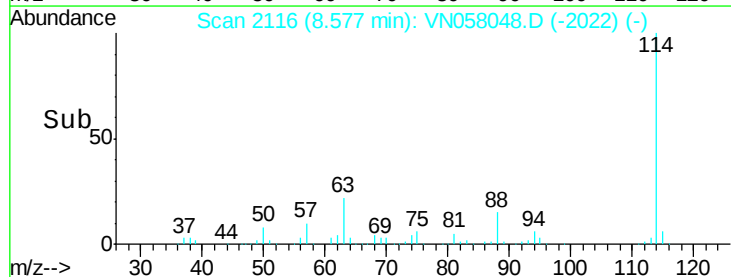
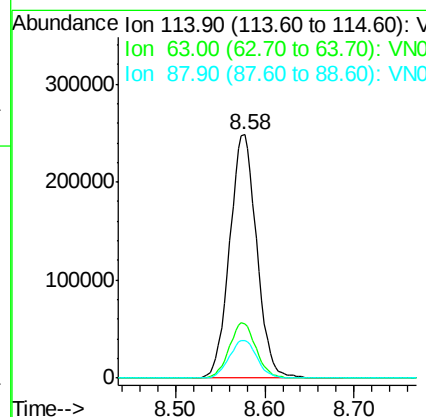
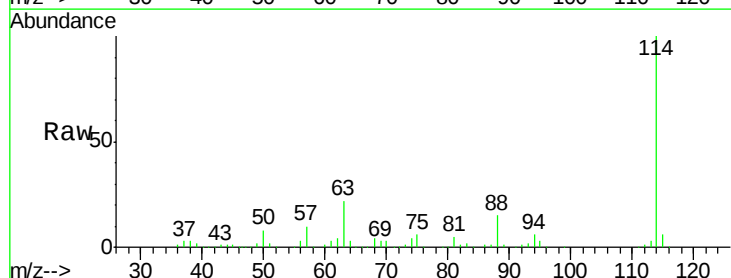
Manual Integrations
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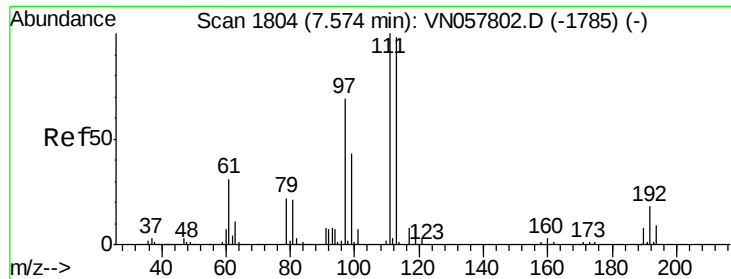
MMDadoda
 9/16/2019 2:11:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	521459		
63	22.5	0.0	44.0	
88	15.4	0.0	31.4	





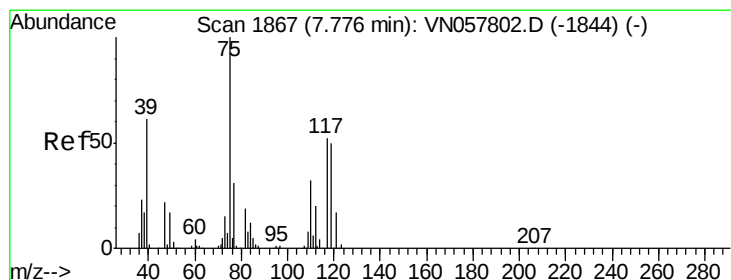
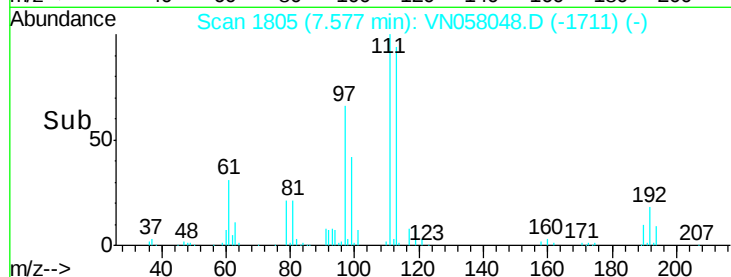
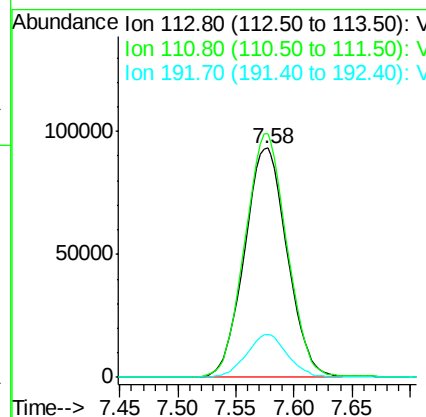
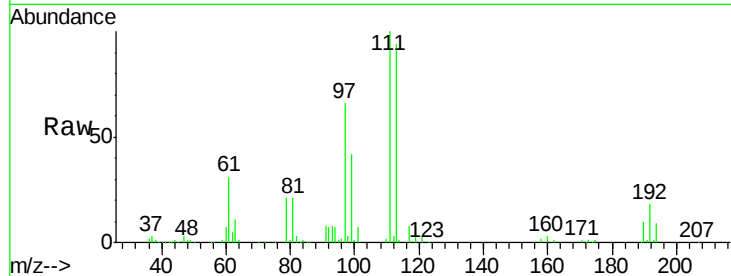
#35
 Dibromofluoromethane
 Concen: 49.665 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239029		
111	104.6	81.3	121.9	
192	18.1	14.6	22.0	

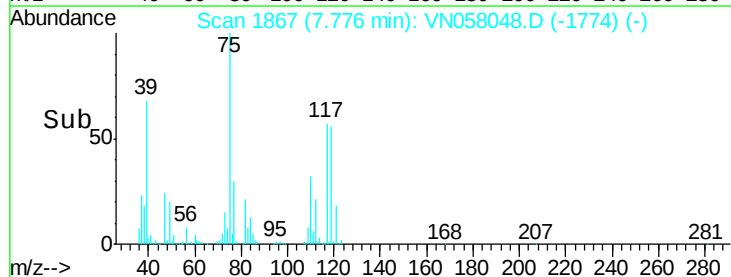
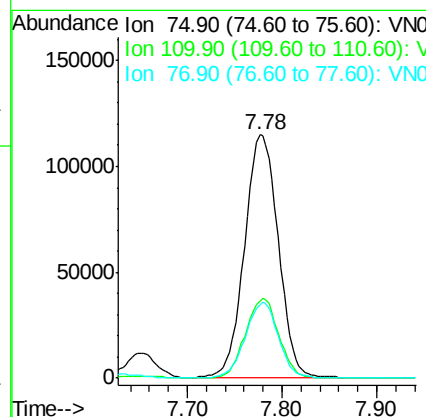
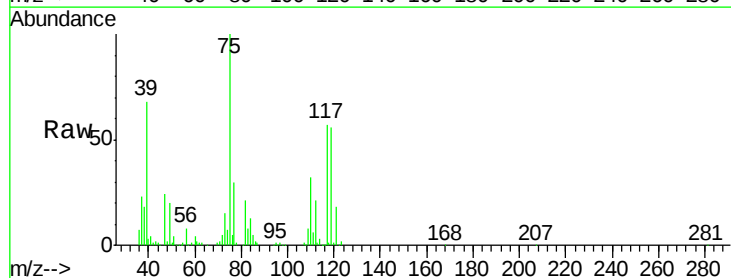
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 46.920 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	283751		
110	32.5	16.3	48.9	
77	30.9	25.0	37.4	





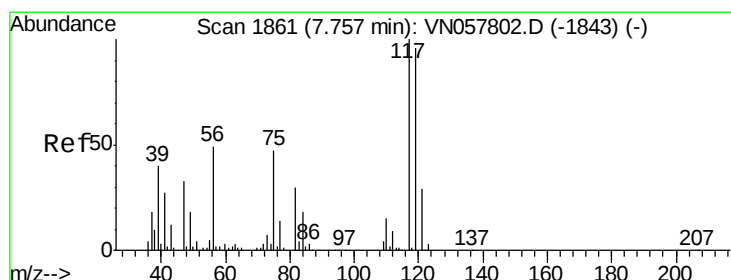
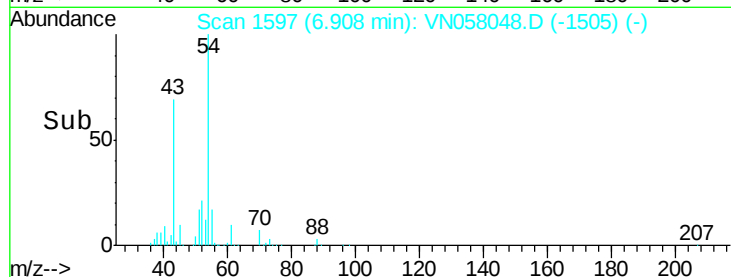
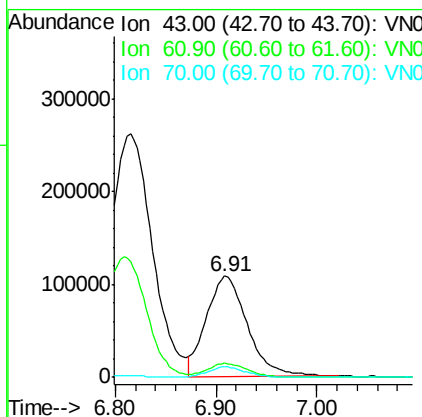
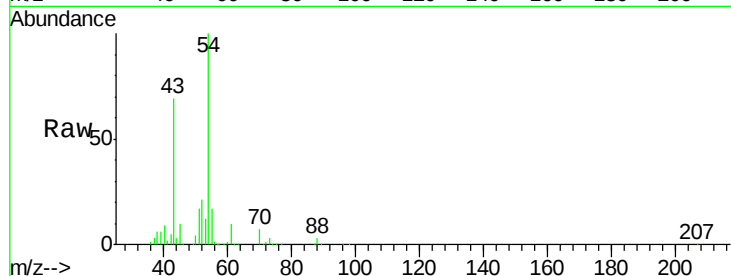
#37
Ethyl Acetate
Concen: 48.918 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.3	10.5	15.7	
70	9.4	7.4	11.0	

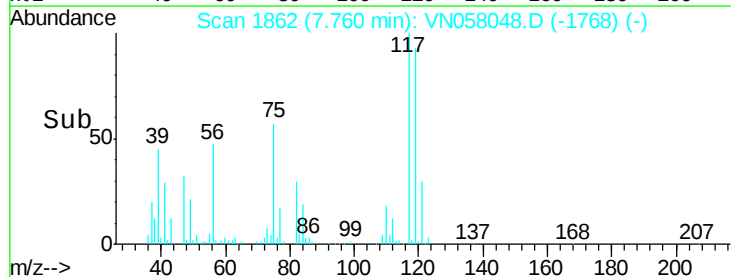
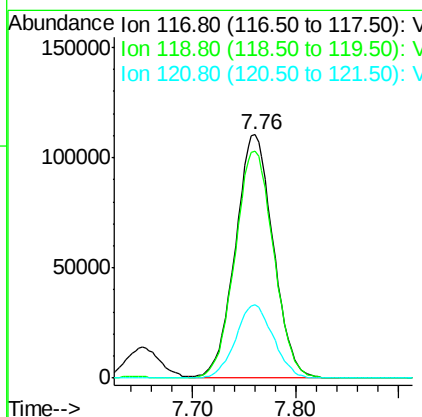
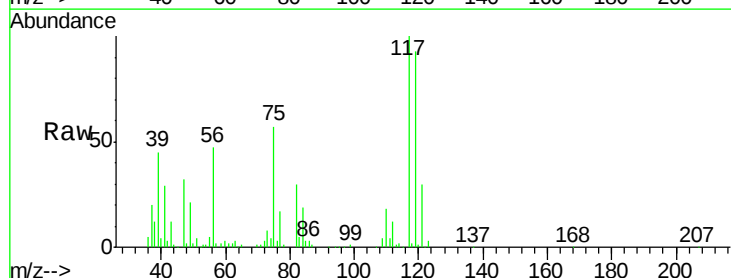
Manual Integrations
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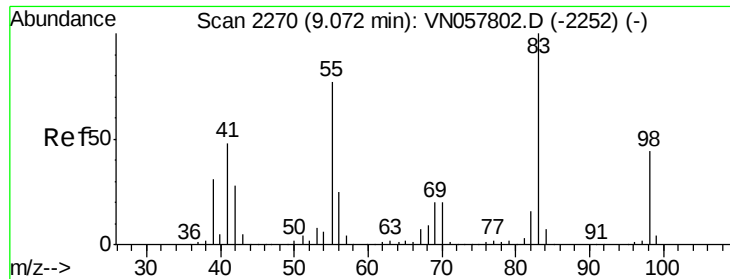
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.782 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.5	76.9	115.3	
121	30.4	23.4	35.2	





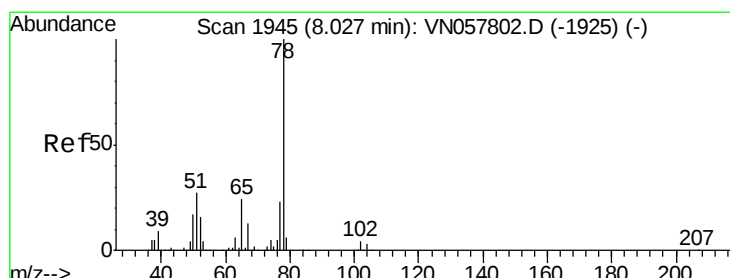
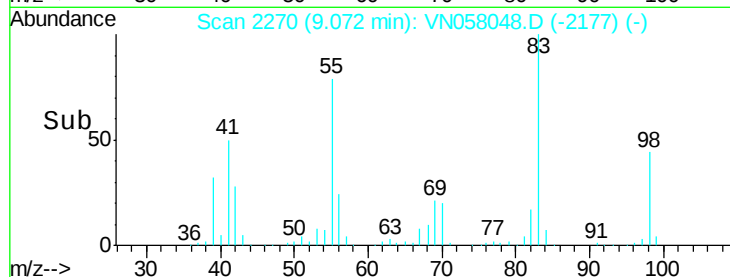
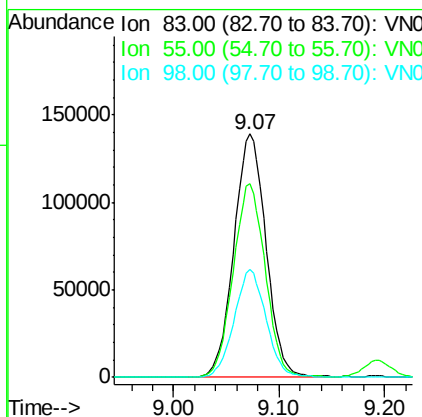
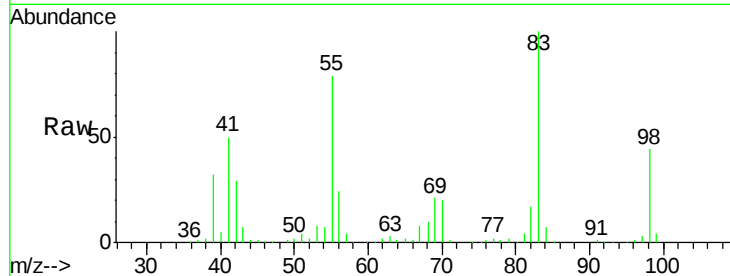
#39
Methylvlcyclohexane
Concen: 46.258 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	294081		
55	79.4		61.6	92.4
98	44.1		34.9	52.3

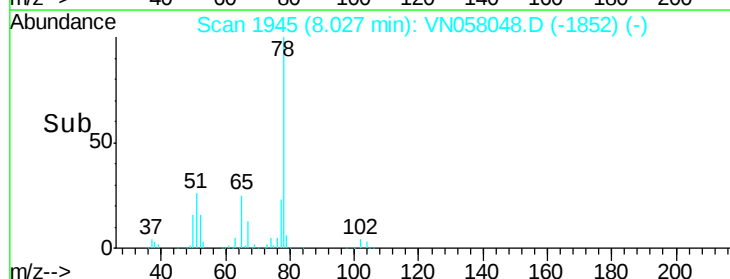
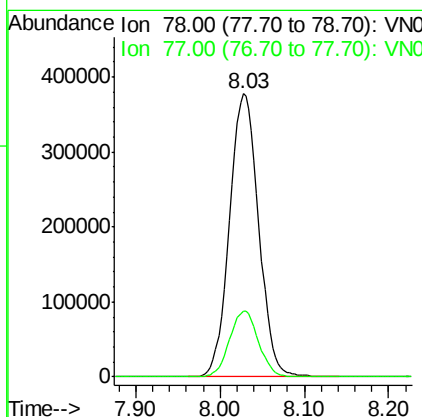
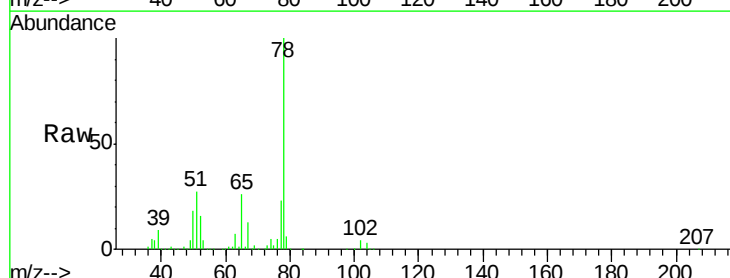
Manual Integrations
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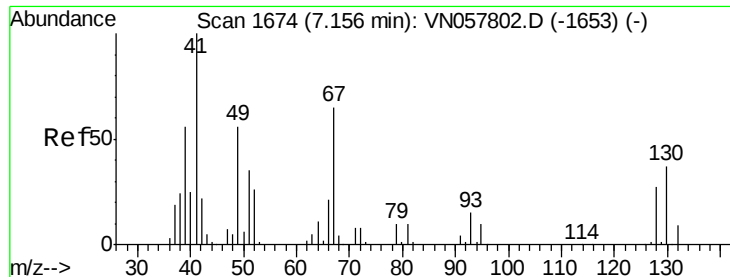
MMDadoda
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#40
Benzene
Concen: 49.816 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	907011		
77	23.3		18.3	27.5





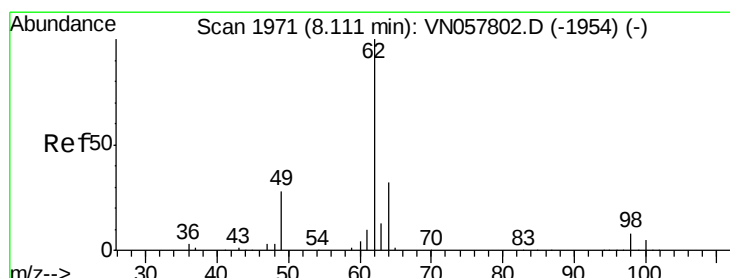
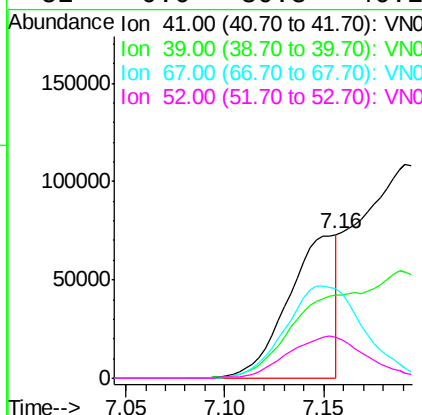
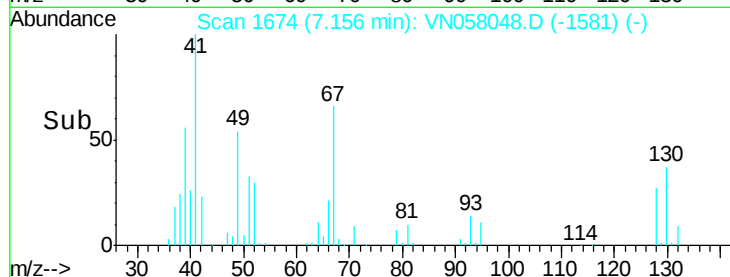
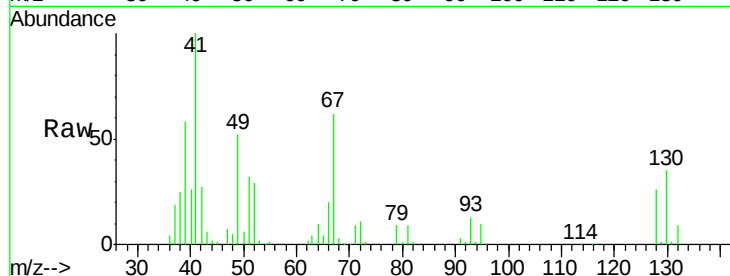
#41
Methacrylonitrile
Concen: 43.464 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	205.1	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

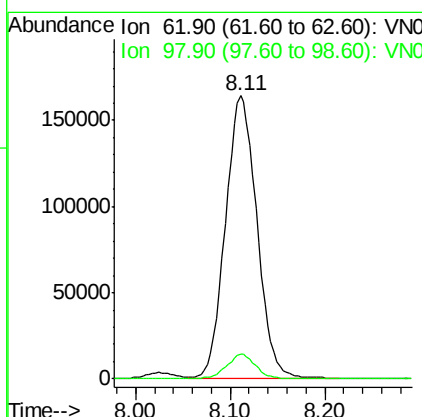
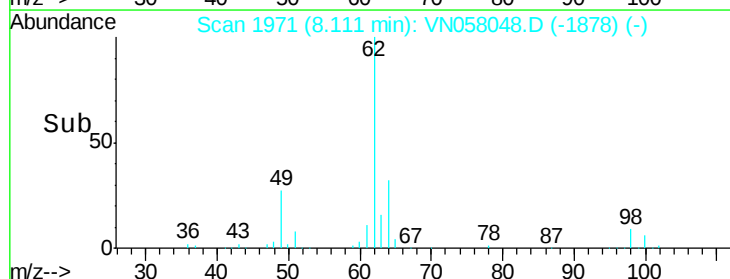
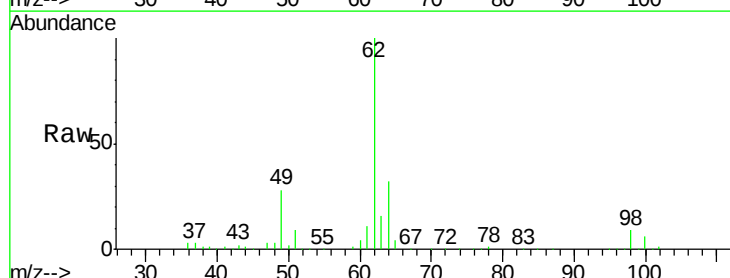
Manual Integrations
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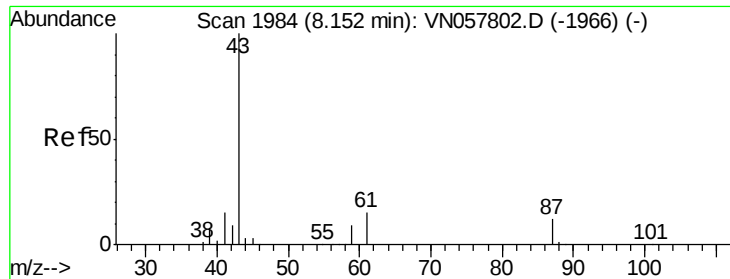
MMDadoda
9/16/2019 2:11:23 PM



#42
1,2-Dichloroethane
Concen: 51.978 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





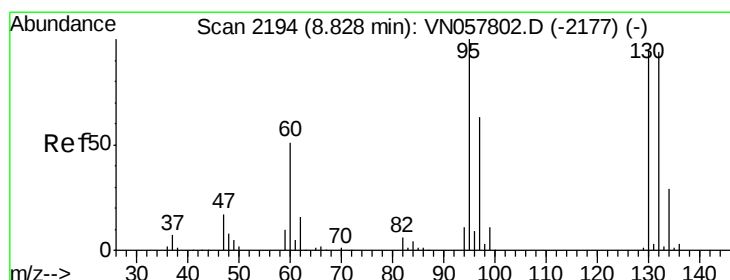
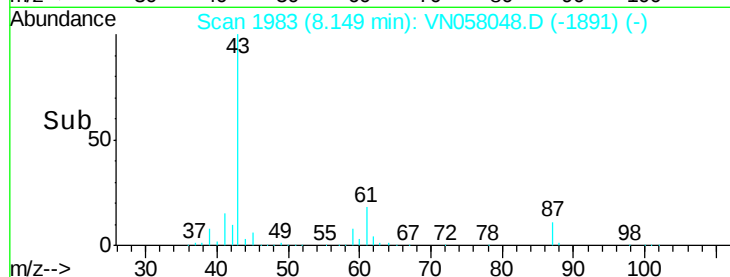
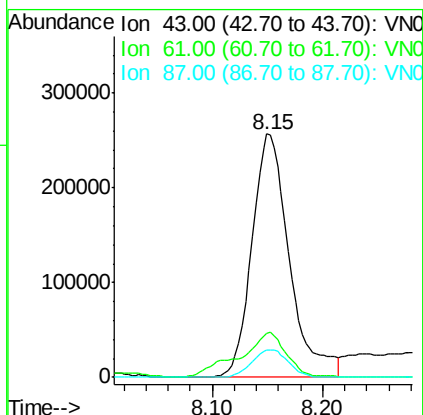
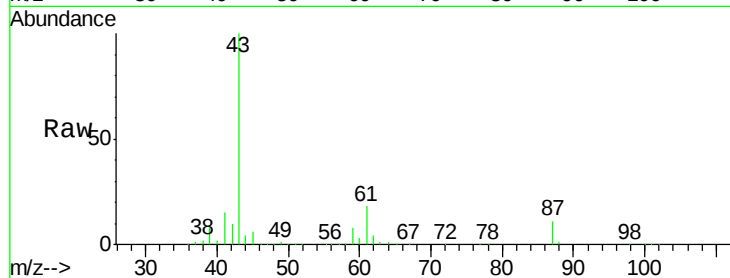
#43
Isopropyl Acetate
Concen: 57.196 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.7	20.1	30.1
87	11.0	9.5	14.3

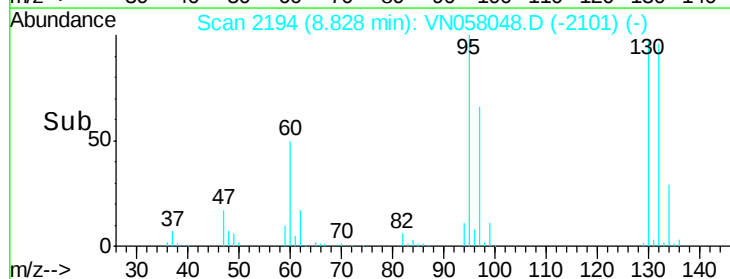
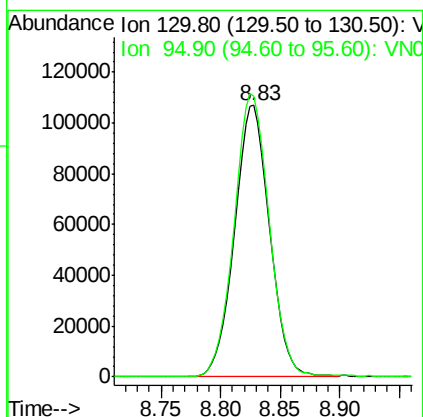
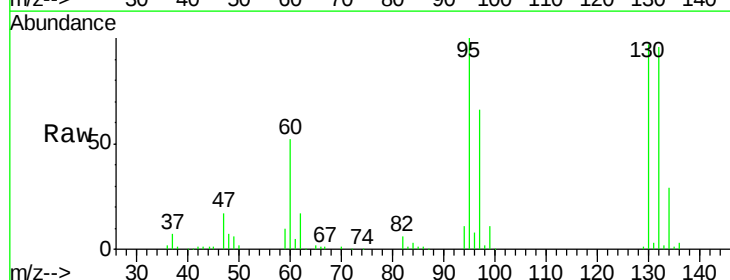
Manual Integrations
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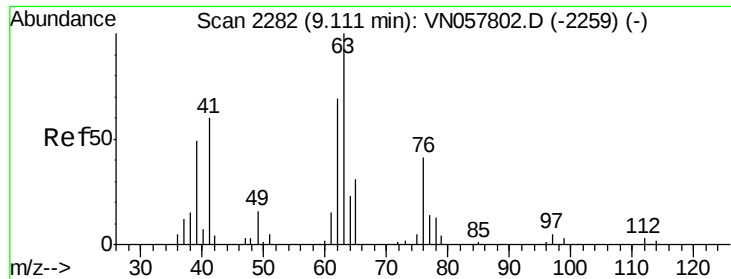
MMDadoda
9/16/2019 2:11:23 PM



#44
Trichloroethene
Concen: 48.865 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	211.4





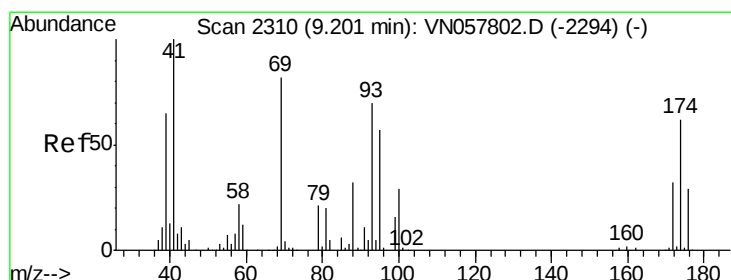
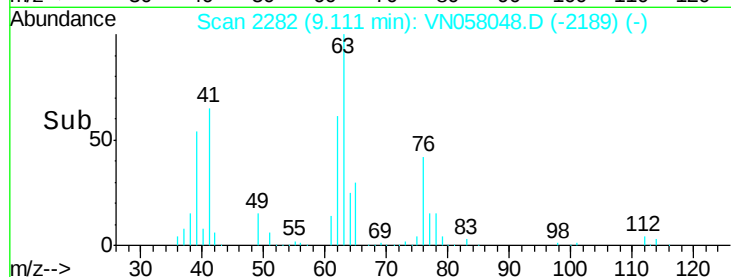
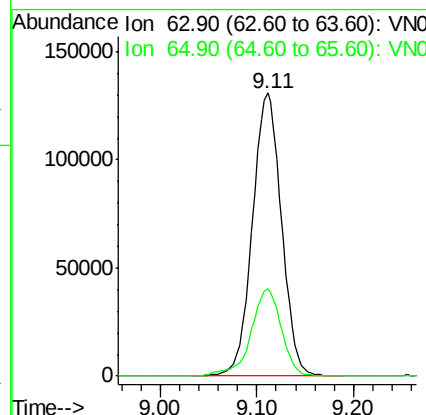
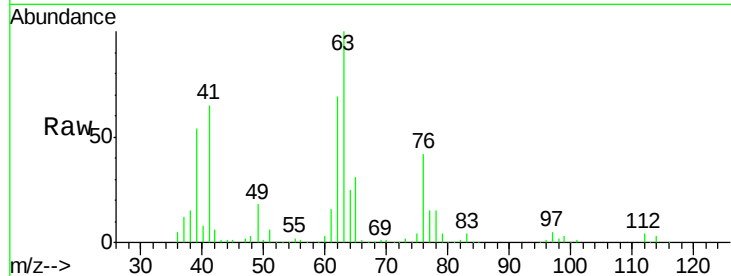
#45
 1,2-Dichloropropane
 Concen: 51.475 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

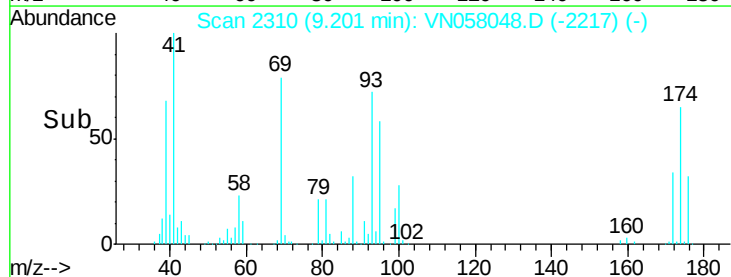
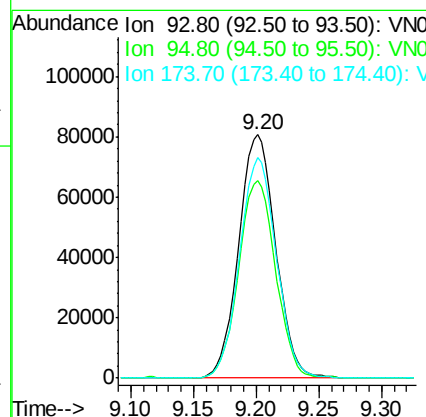
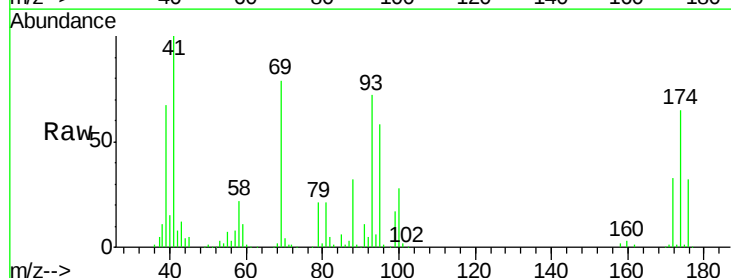
Manual Integrations
 APPROVED

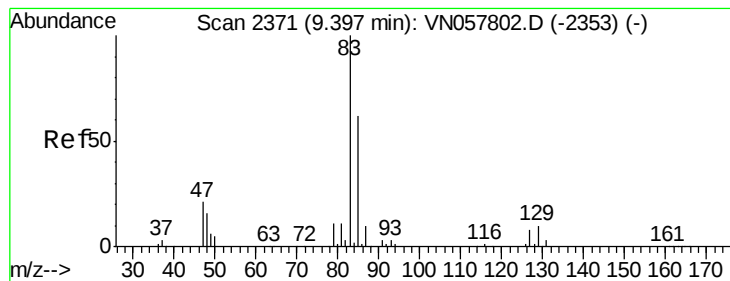
MMDadoda
 9/16/2019 2:11:23 PM



#46
 Dibromomethane
 Concen: 51.711 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.9	98.9
174	90.1	71.8	107.6





#47

Bromodichloromethane

Concen: 53.744 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

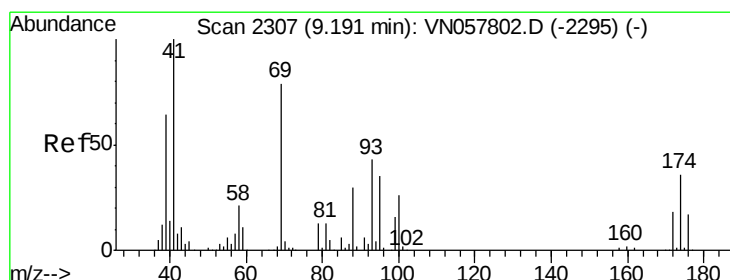
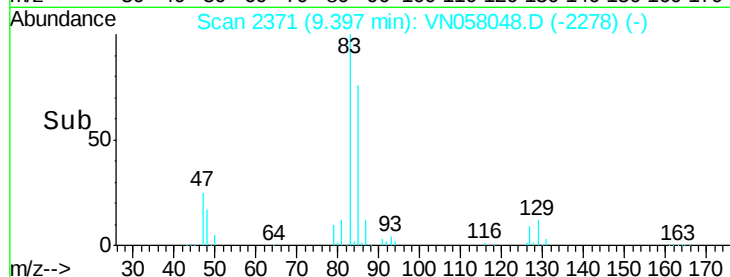
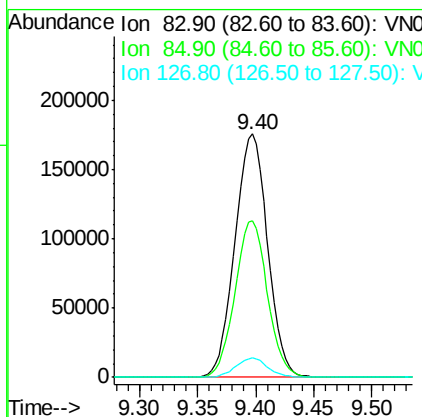
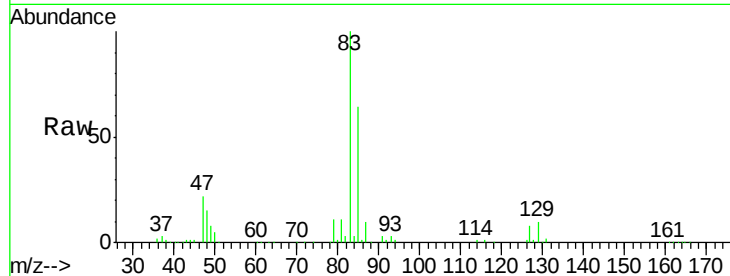
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	343585
Ion Ratio	Lower	Upper	
83	100		
85	64.5	49.9	74.9
127	7.9	6.5	9.7

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 51.609 ug/l

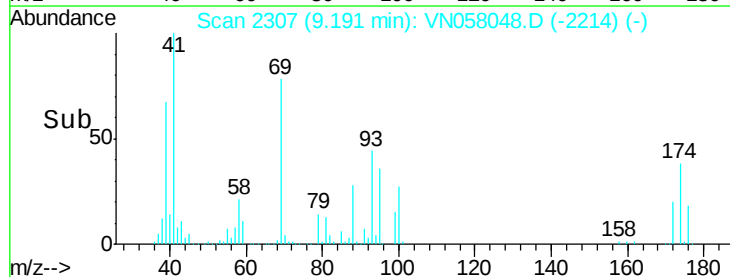
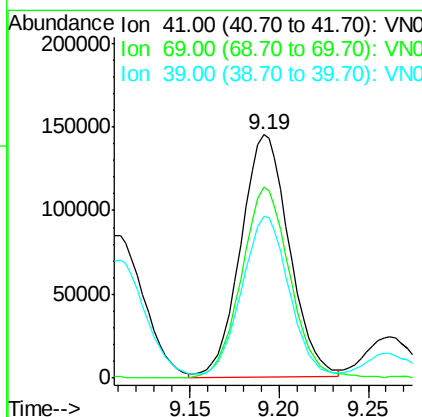
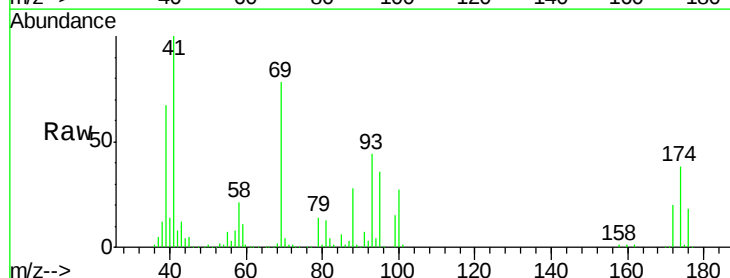
RT: 9.19 min Scan# 2307

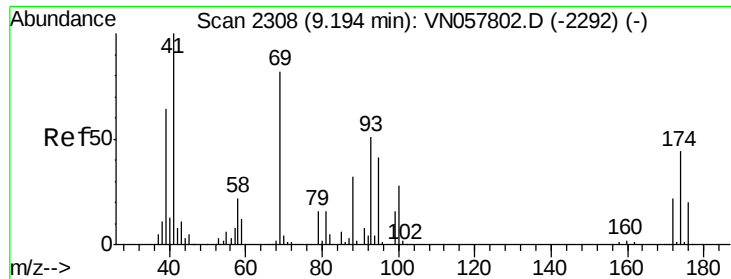
Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion:	41	Resp:	275080
Ion Ratio	Lower	Upper	
41	100		
69	78.1	62.7	94.1
39	65.6	52.7	79.1





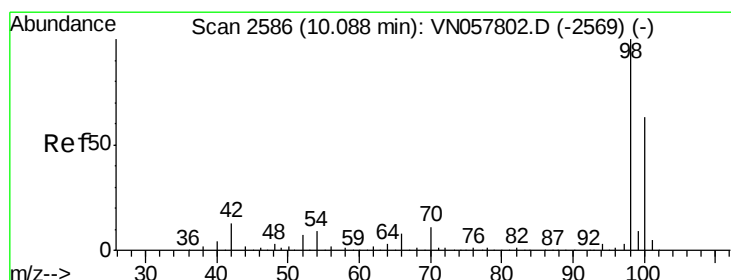
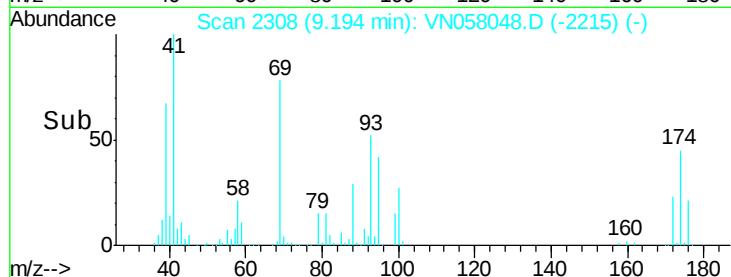
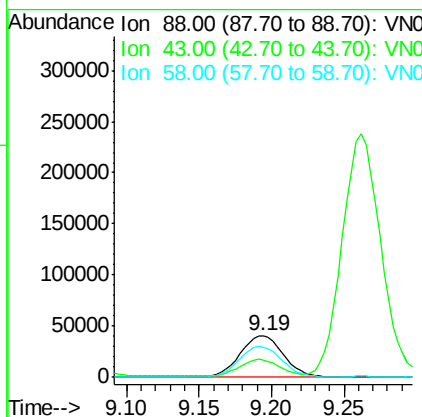
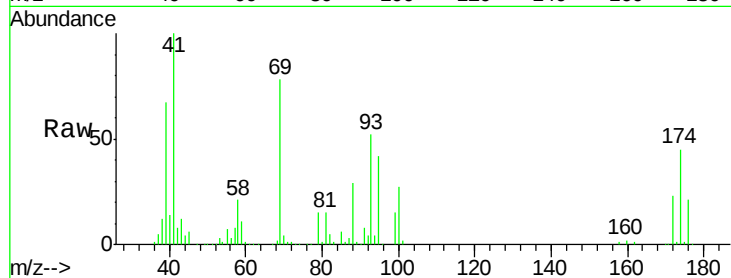
#49
1,4-Dioxane
Concen: 943.391 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	85034
Ion Ratio	Lower	Upper	
88	100		
43	37.3	28.5	42.7
58	73.5	55.8	83.6

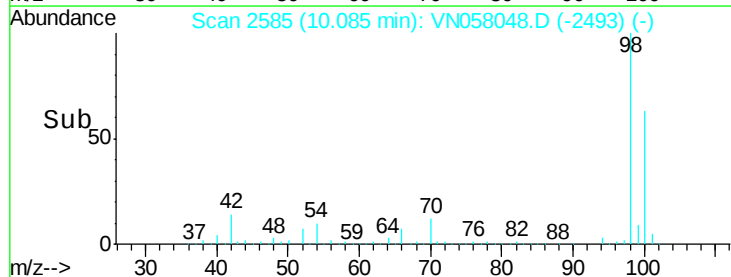
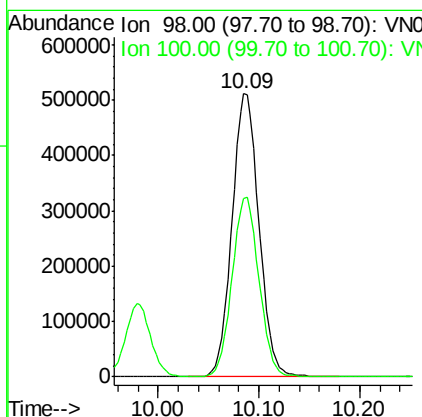
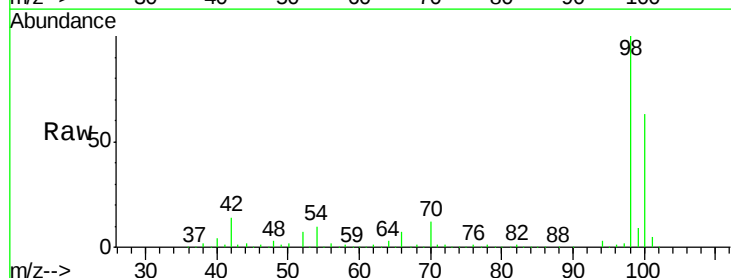
Manual Integrations
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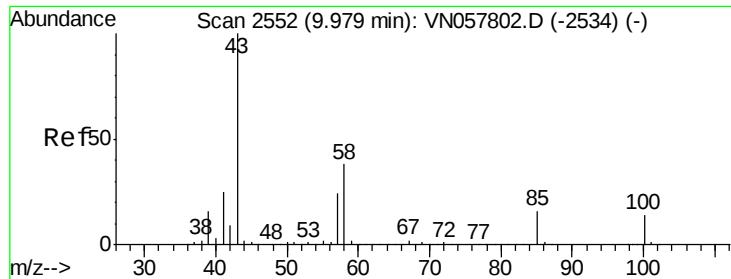
MMDadoda
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#50
Toluene-d8
Concen: 50.976 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	98	Resp	952543
Ion Ratio	Lower	Upper	
98	100		
100	63.2	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 273.095 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1698112

Ion Ratio Lower Upper

43 100

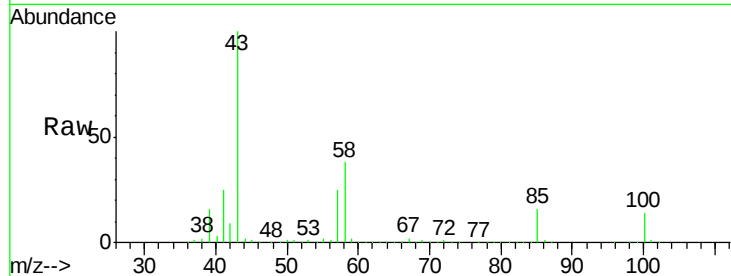
58 37.3 29.8 44.6

Manual Integrations

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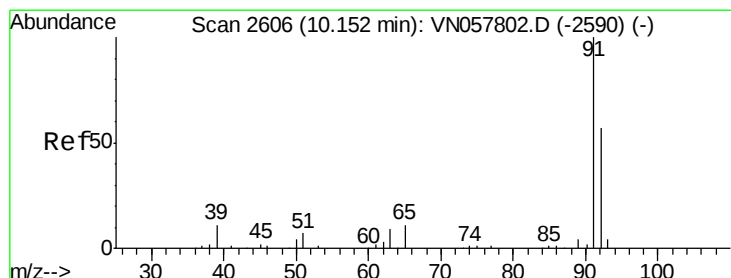
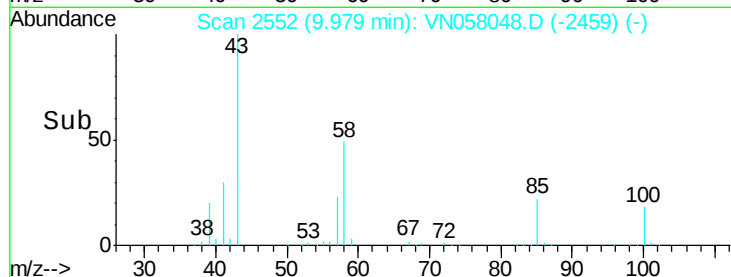
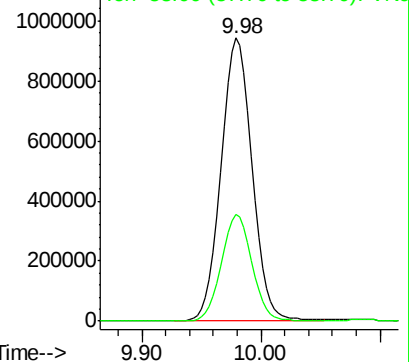
MMDadoda

9/16/2019 2:11:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.037 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058048.D

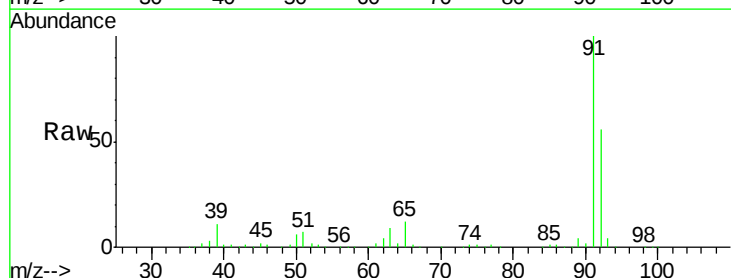
Acq: 14 Sep 2019 3:05

Tgt Ion: 92 Resp: 573798

Ion Ratio Lower Upper

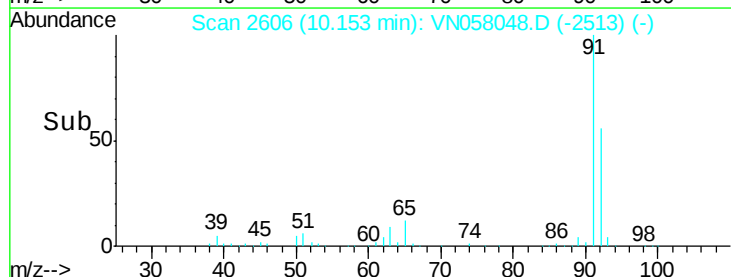
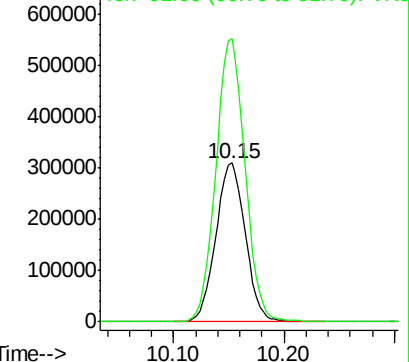
92 100

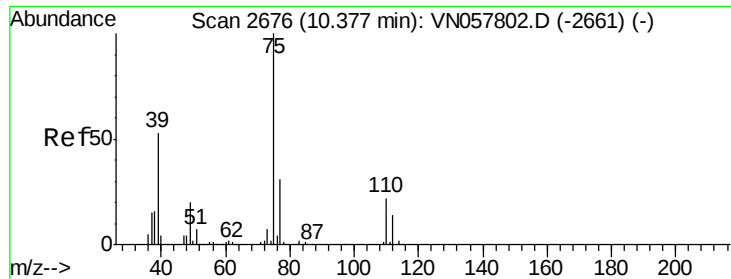
91 177.2 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





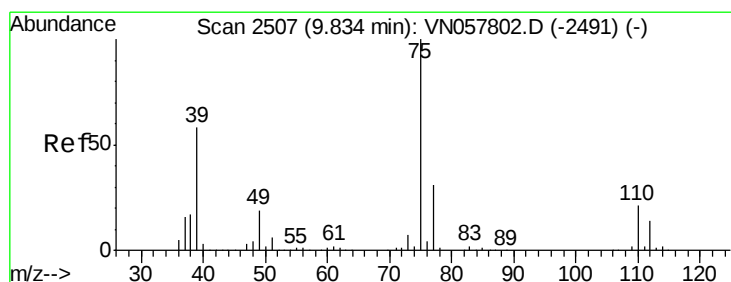
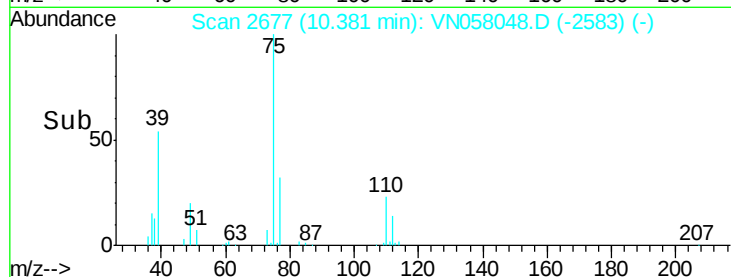
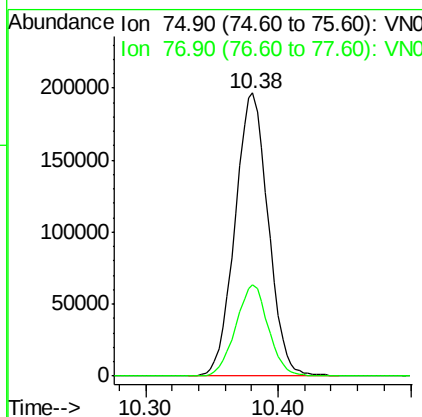
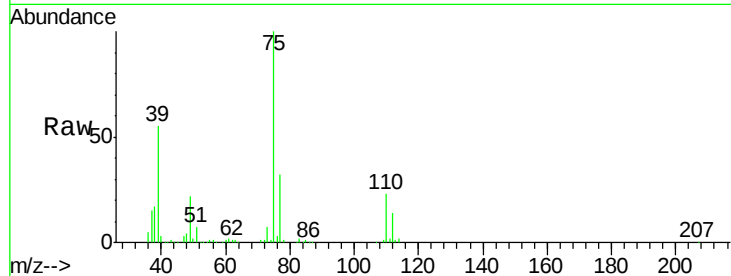
#53
 t-1,3-Dichloropropene
 Concen: 50.875 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 342503
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.5 36.7

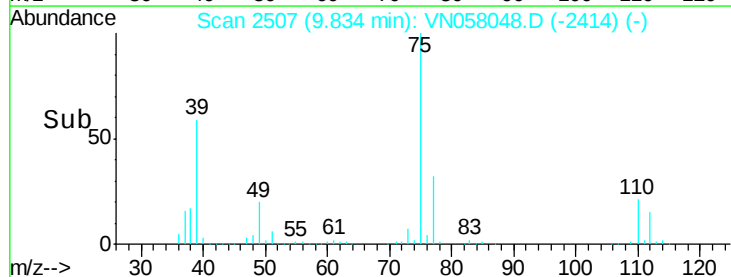
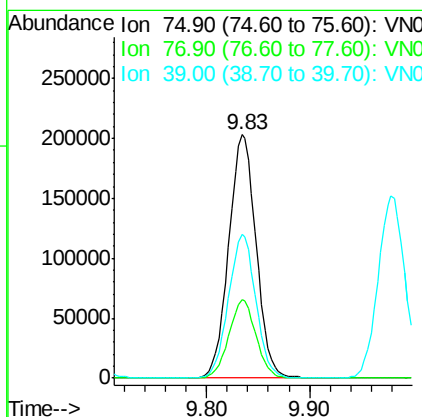
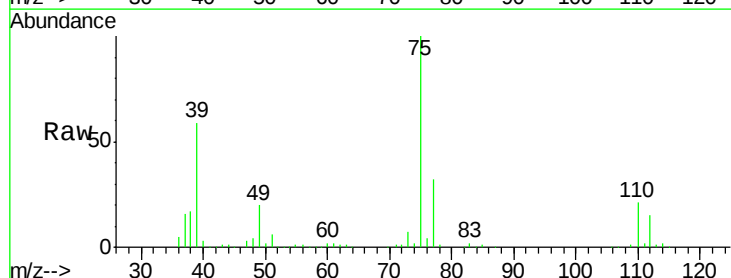
Manual Integrations
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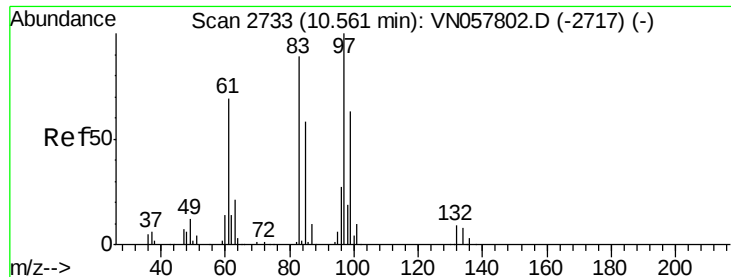
MMDadoda
 9/16/2019 2:11:23 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.582 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 75 Resp: 375967
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.8 37.2
 39 59.1 46.2 69.4





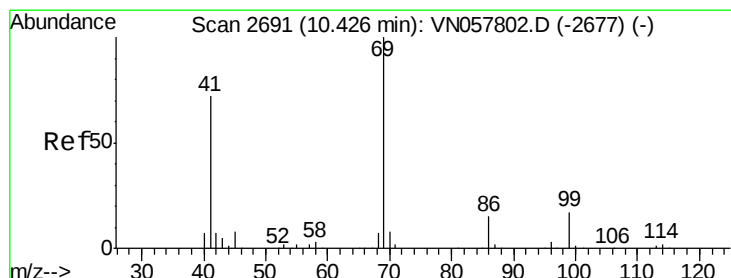
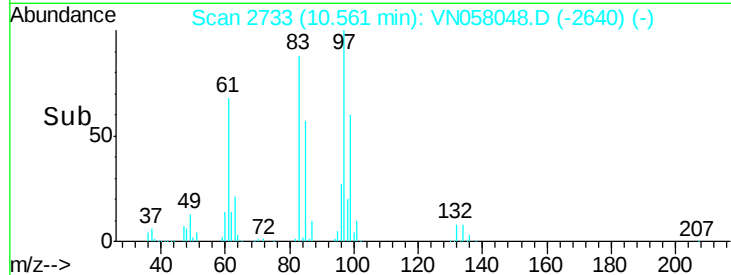
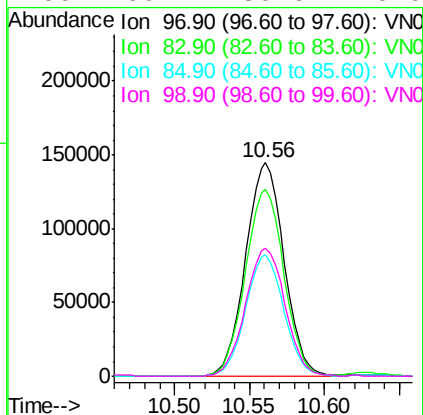
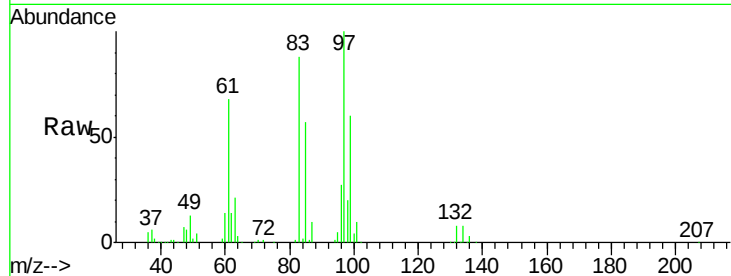
#55
 1,1,2-Trichloroethane
 Concen: 53.259 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	258706
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.8	106.2
85	56.7	46.0	69.0
99	60.1	50.6	76.0

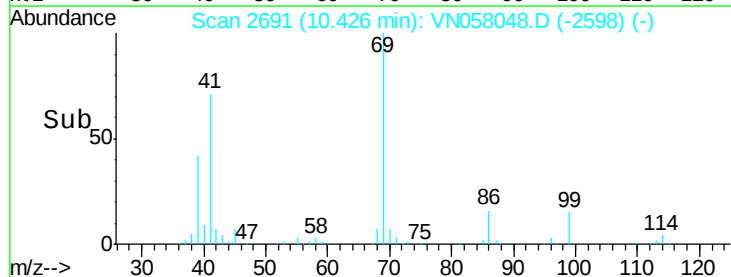
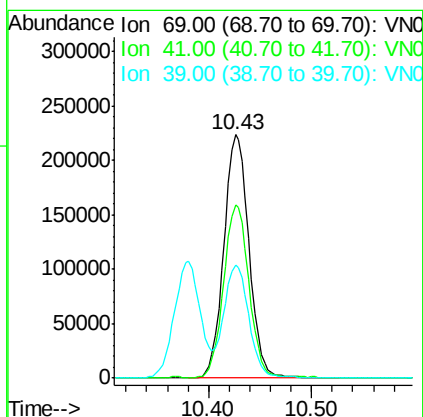
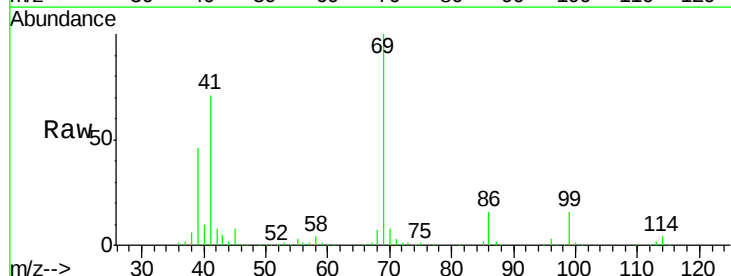
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.847 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion:	69	Resp:	379254
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	46.4	36.3	54.5





#57

1,3-Dichloropropane

Concen: 51.680 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 432628

Ion Ratio Lower Upper

76 100

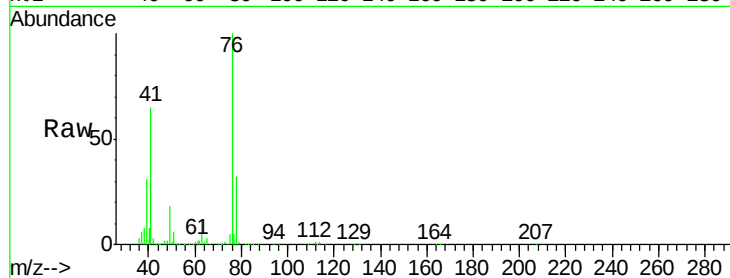
78 32.4 25.4 38.2

Manual Integrations

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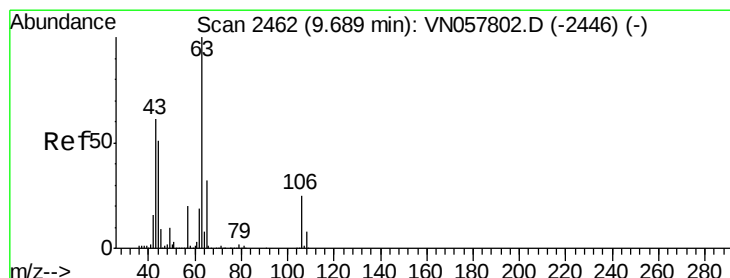
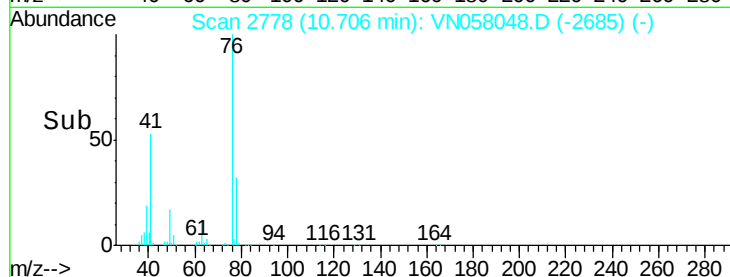
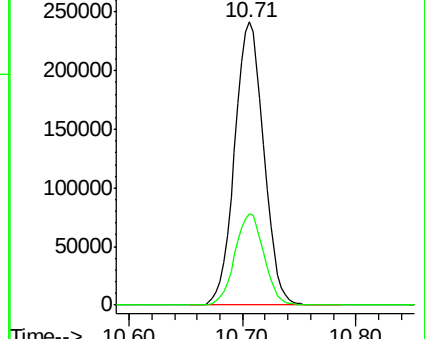
MMDadoda

9/16/2019 2:11:23 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 241.360 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058048.D

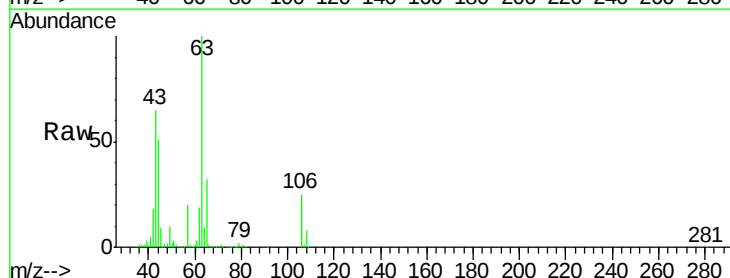
Acq: 14 Sep 2019 3:05

Tgt Ion: 63 Resp: 831548

Ion Ratio Lower Upper

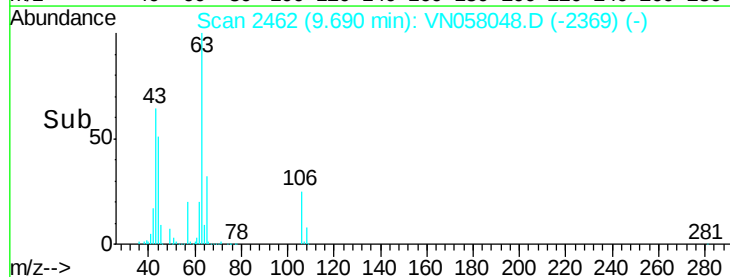
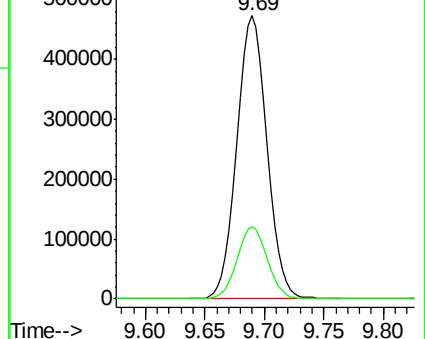
63 100

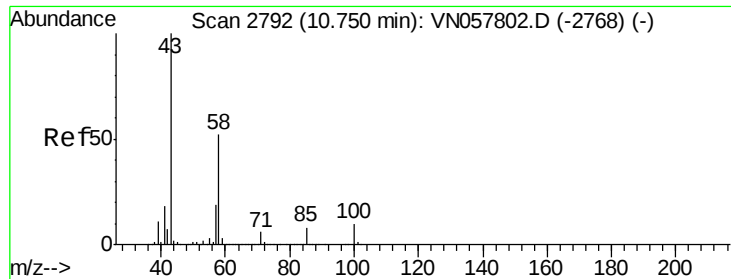
106 25.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





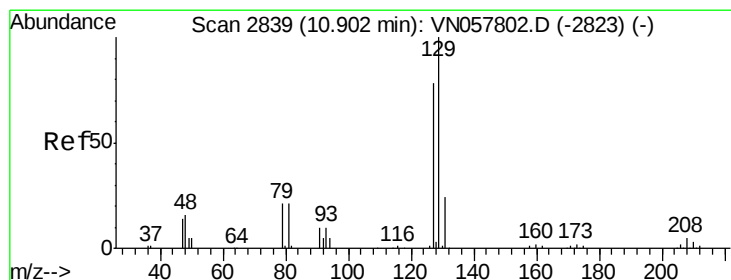
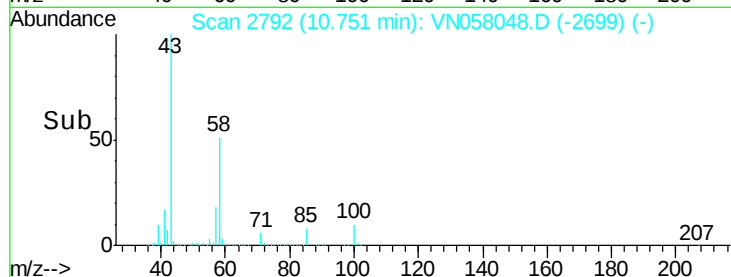
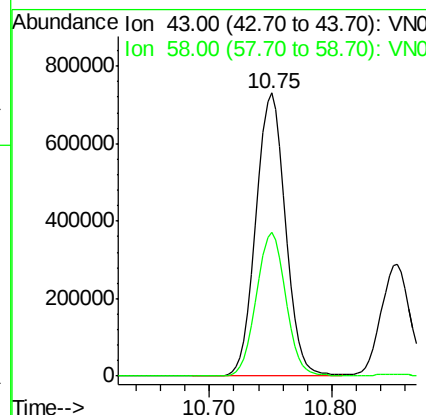
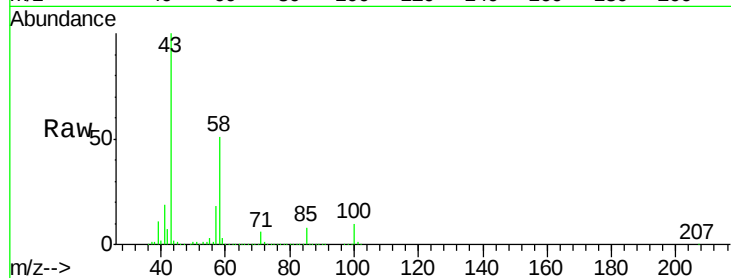
#59
2-Hexanone
Concen: 260.050 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1212002
Ion Ratio Lower Upper
43 100
58 50.9 25.6 76.8

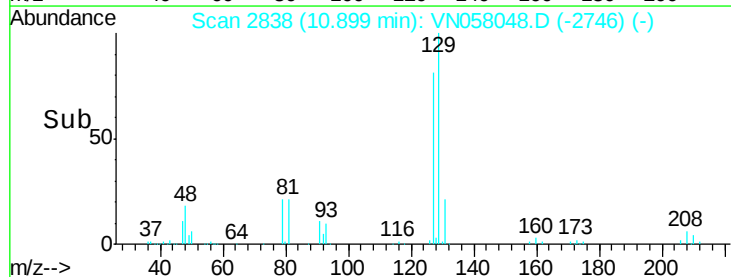
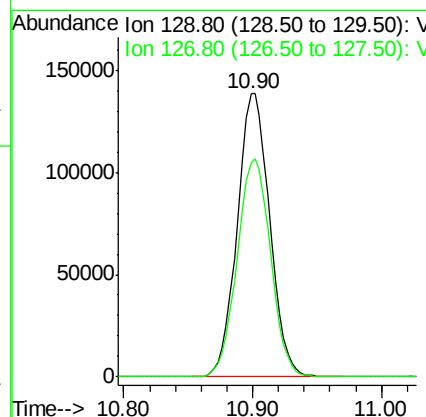
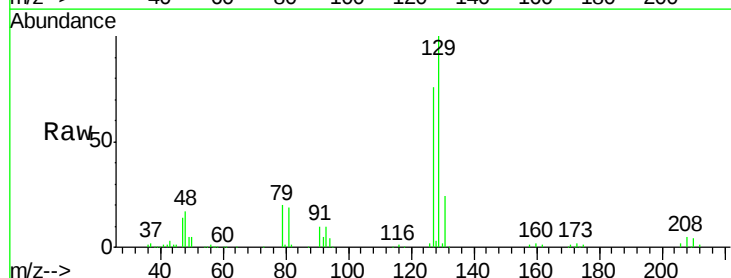
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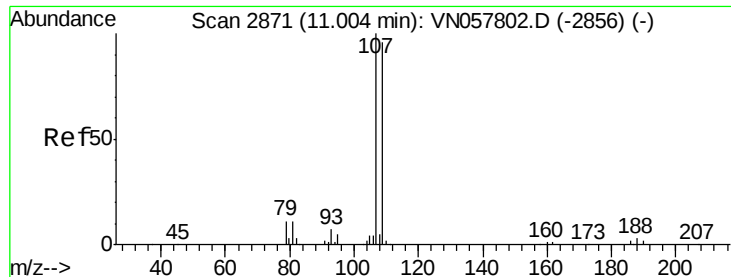
MMDadoda
9/16/2019 2:11:23 PM



#60
Dibromochloromethane
Concen: 53.712 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 129 Resp: 242276
Ion Ratio Lower Upper
129 100
127 79.4 38.6 116.0





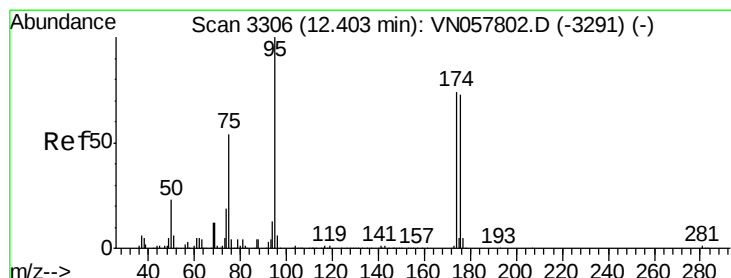
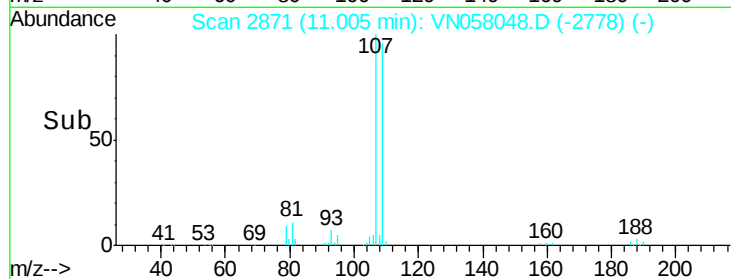
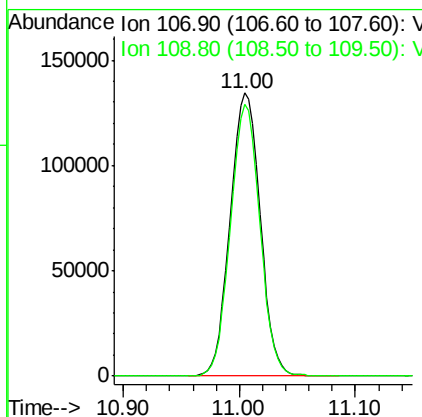
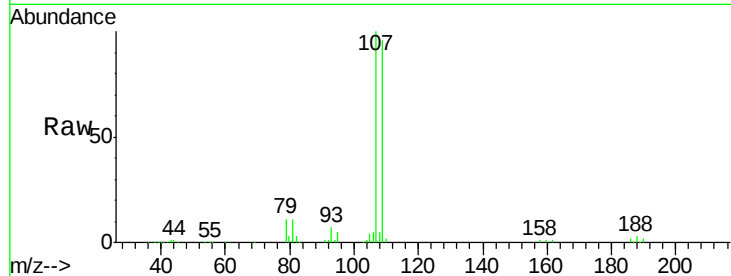
#61
 1,2-Dibromoethane
 Concen: 52.364 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

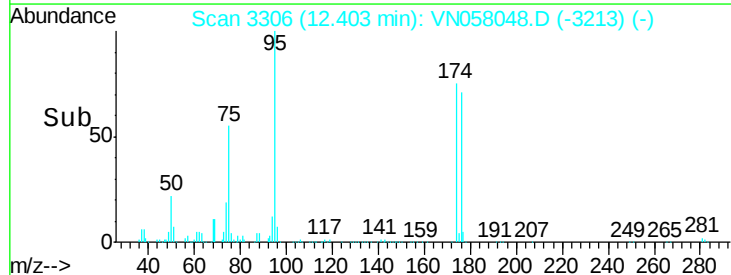
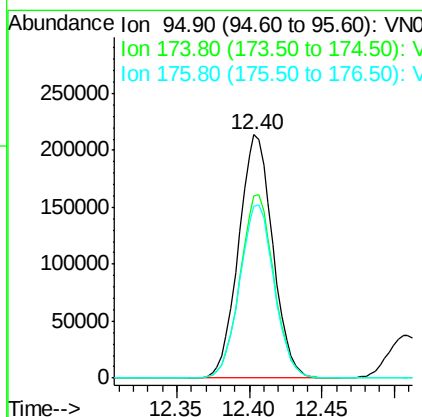
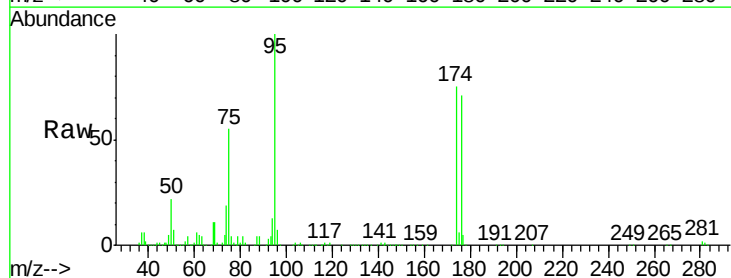
Manual Integrations
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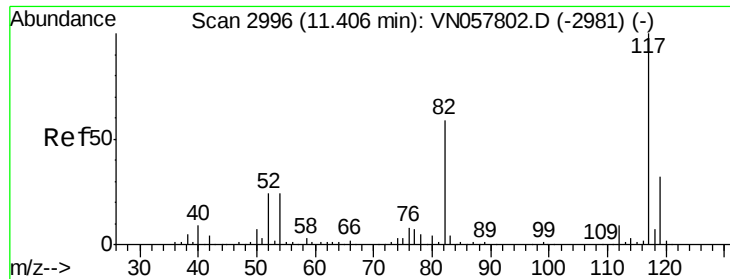
MMDadoda
 9/16/2019 2:11:23 PM



#62
 4-Bromofluorobenzene
 Concen: 49.131 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.2
176	71.9	0.0	146.0





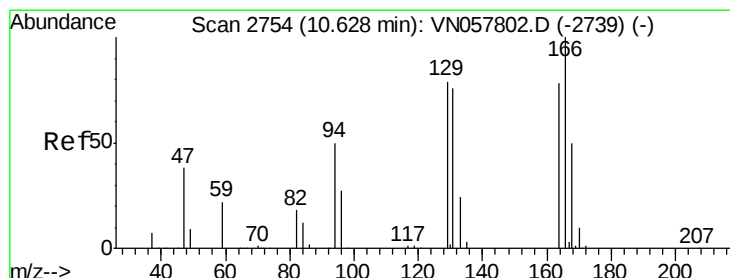
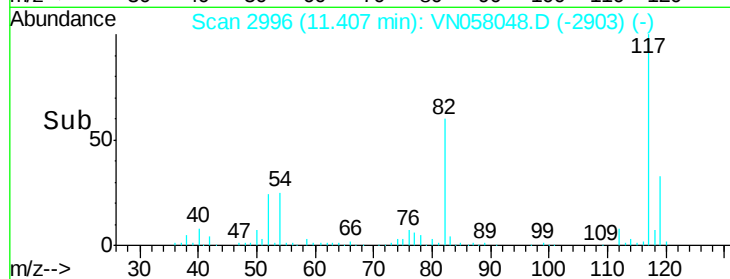
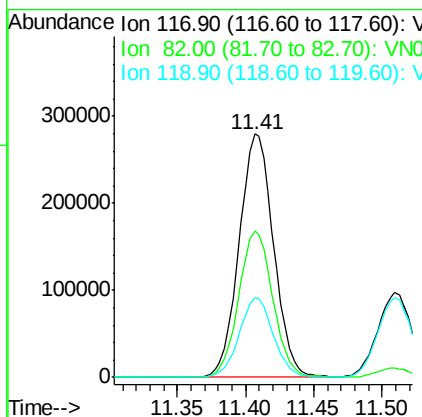
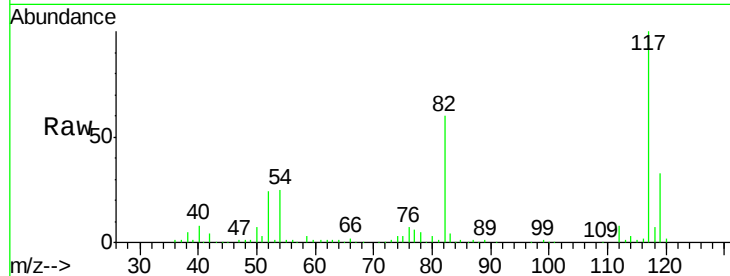
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	489717		
82	60.1	47.2	70.8	
119	32.5	25.3	37.9	

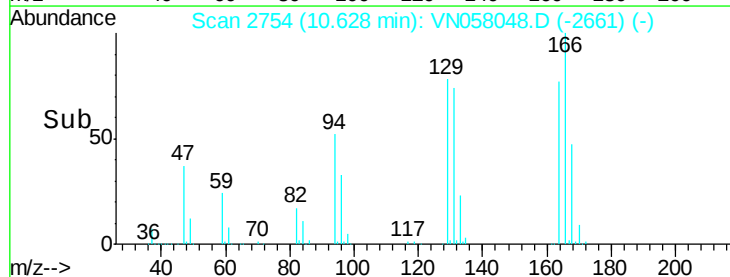
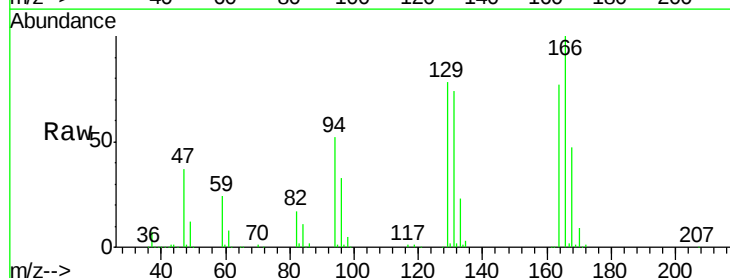
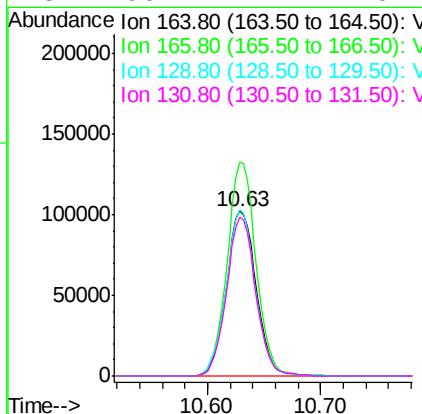
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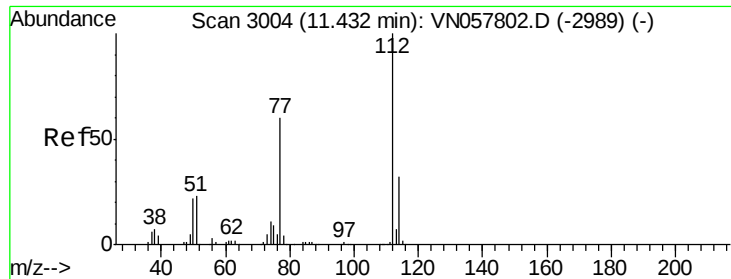
MMDadoda
9/16/2019 2:11:23 PM



#64
Tetrachloroethene
Concen: 51.891 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187628		
166	129.7	102.2	153.2	
129	100.8	80.8	121.2	
131	96.1	77.4	116.2	





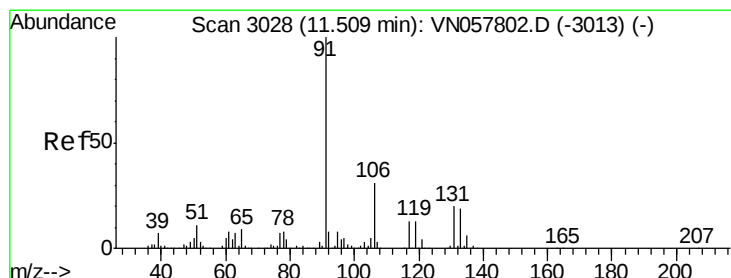
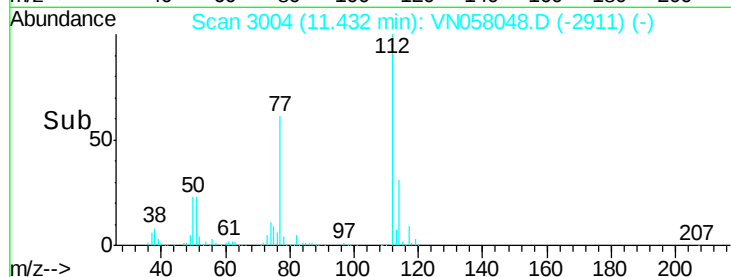
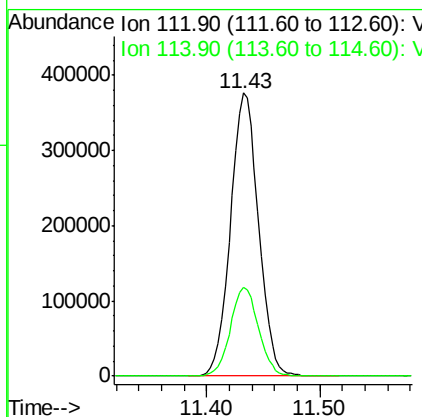
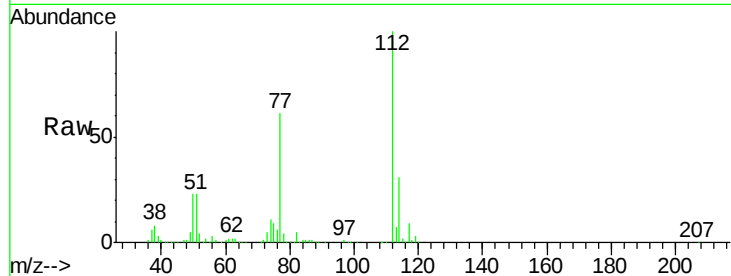
#65
Chlorobenzene
Concen: 50.670 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 649403
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8

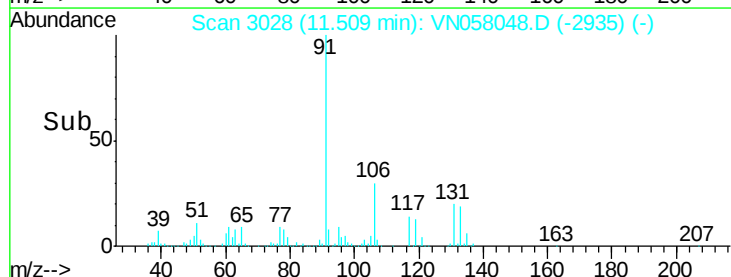
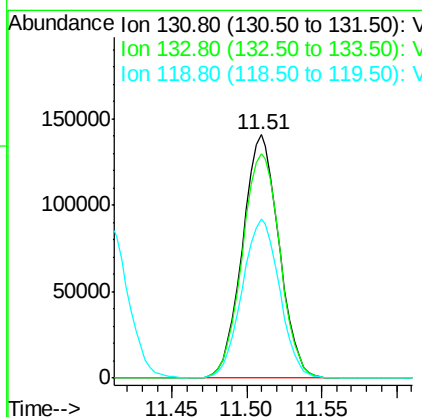
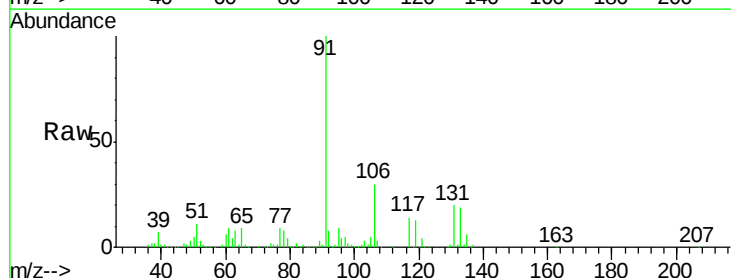
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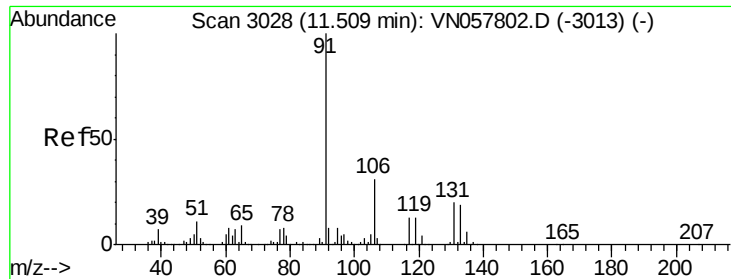
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.751 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion:131 Resp: 239039
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.3
119 67.0 33.3 99.8





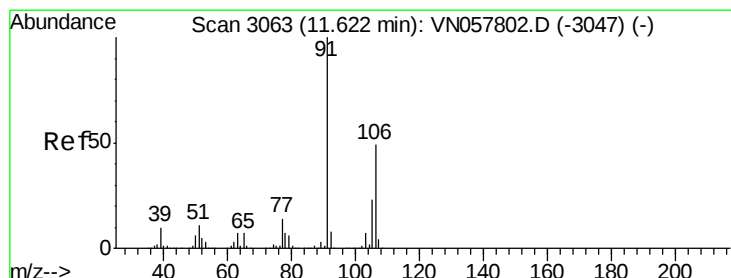
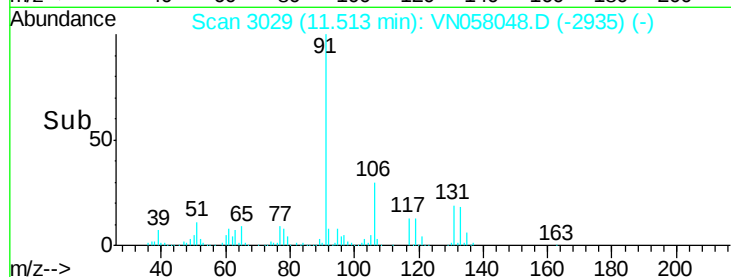
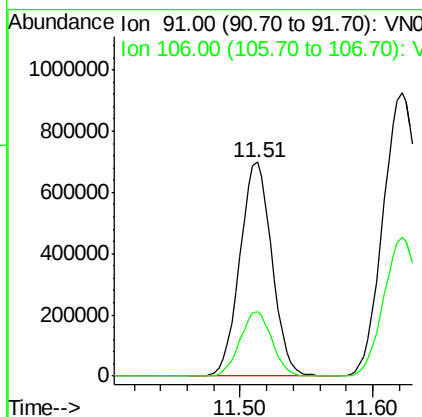
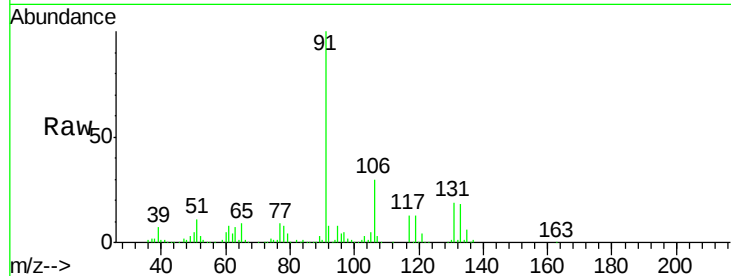
#67
Ethyl Benzene
Concen: 52.118 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1170616
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

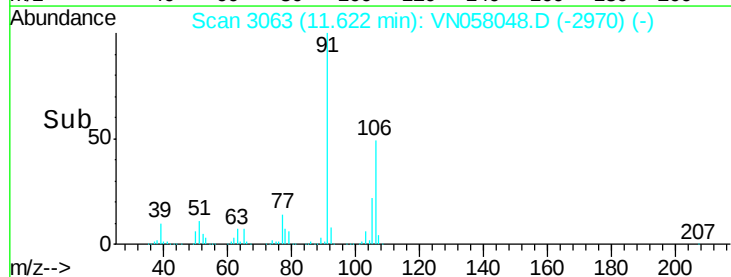
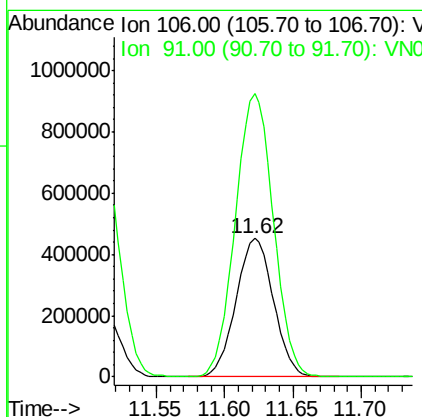
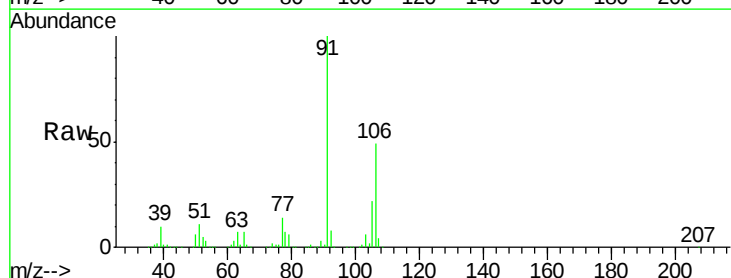
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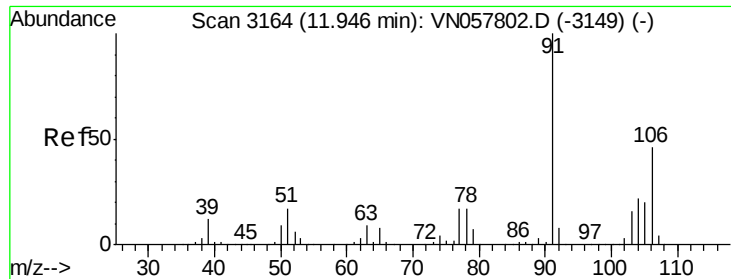
MMDadoda
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#68
m/p-Xylenes
Concen: 104.550 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 106 Resp: 860179
Ion Ratio Lower Upper
106 100
91 208.2 165.8 248.6





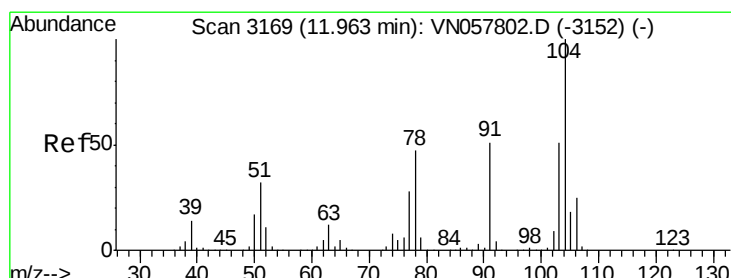
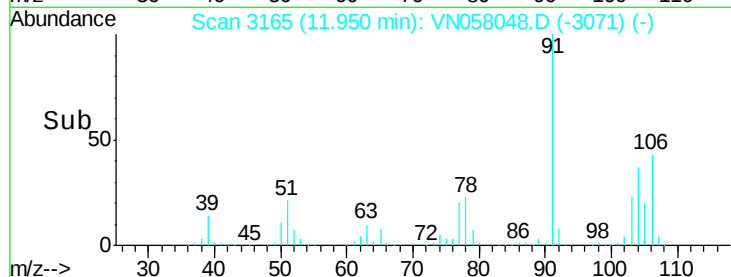
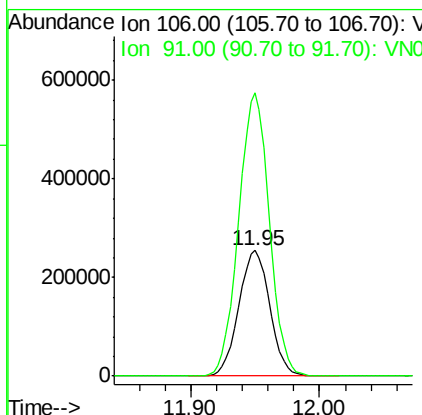
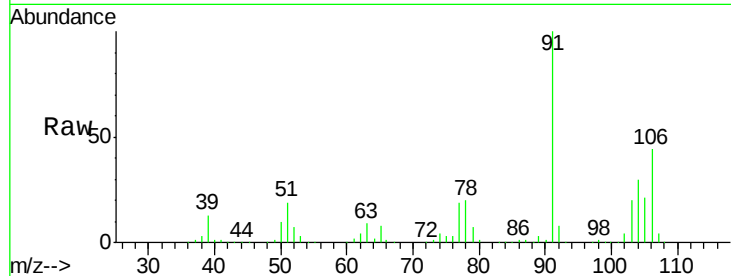
#69
o-Xylene
Concen: 52.222 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 427136
Ion Ratio Lower Upper
106 100
91 222.2 108.7 326.1

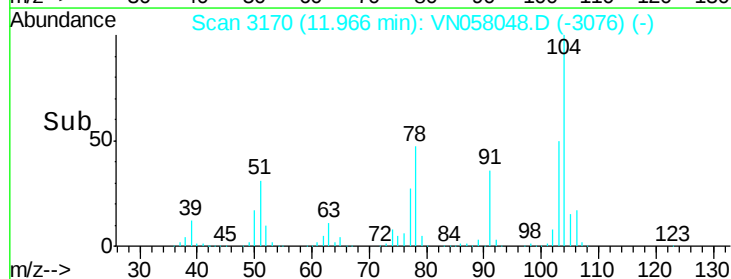
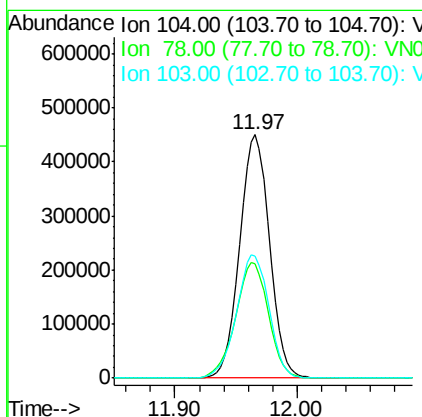
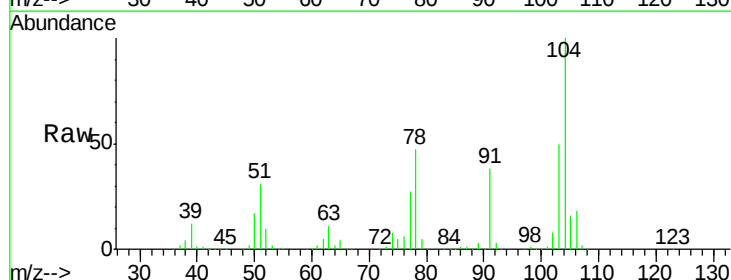
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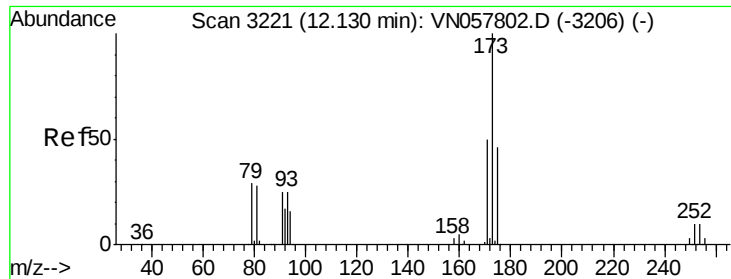
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#70
Styrene
Concen: 53.929 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion:104 Resp: 759128
Ion Ratio Lower Upper
104 100
78 52.5 41.3 61.9
103 55.1 43.7 65.5





#71

Bromoform

Concen: 53.932 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 149534

Ion Ratio Lower Upper

173 100

175 49.3 23.5 70.6

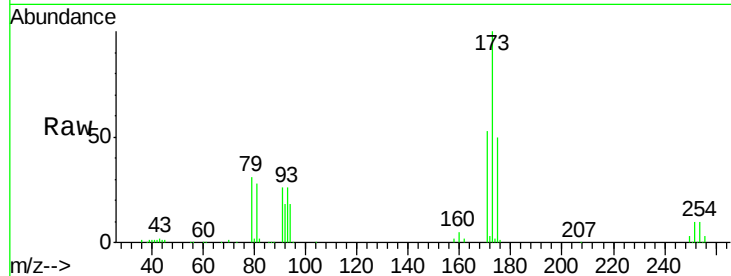
254 0.1 0.1 0.1

Manual Integrations

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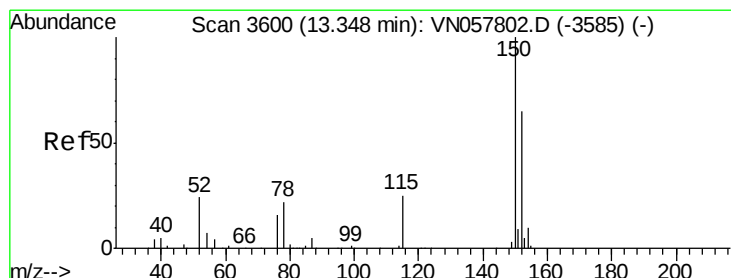
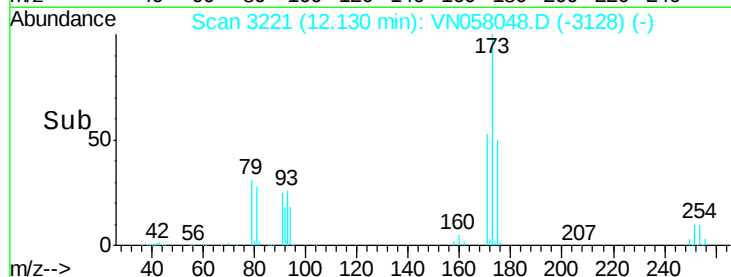
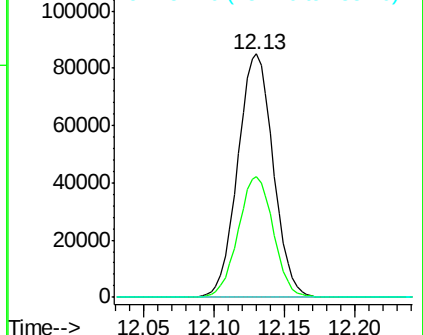
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

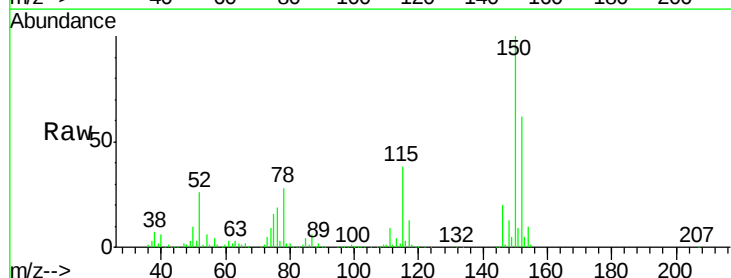
Tgt Ion:152 Resp: 301867

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

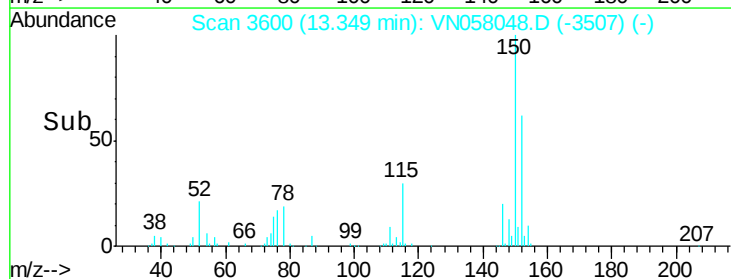
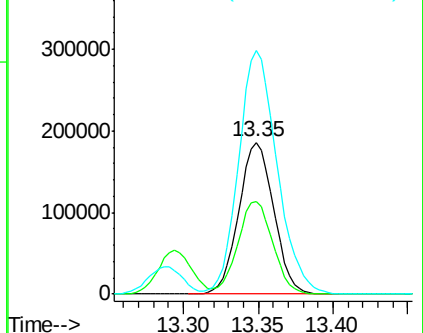
150 176.9 0.0 352.4

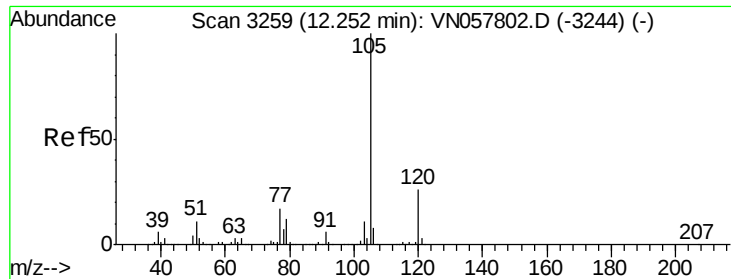


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





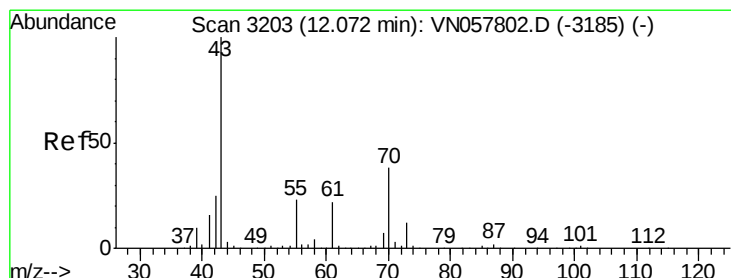
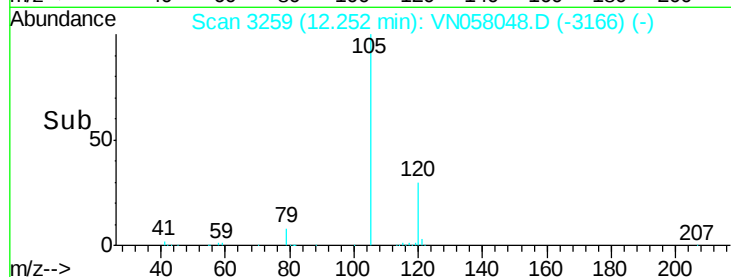
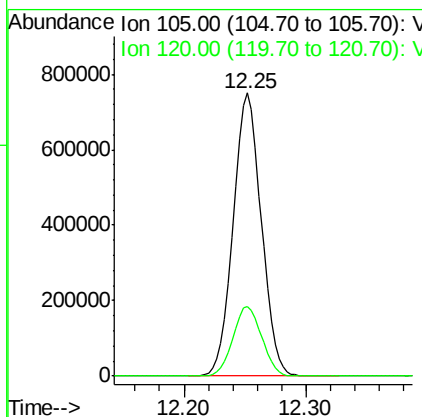
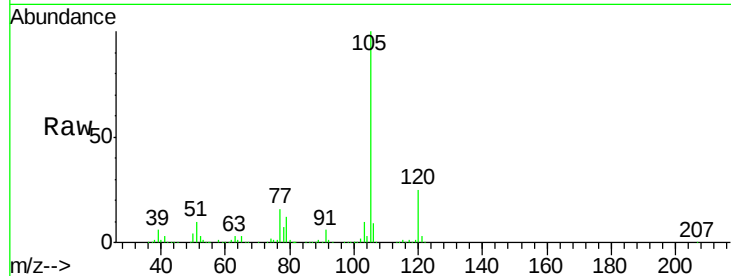
#73
Isopropylbenzene
Concen: 51.263 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1200778
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4

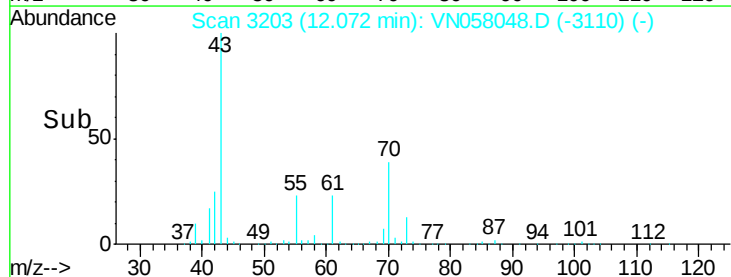
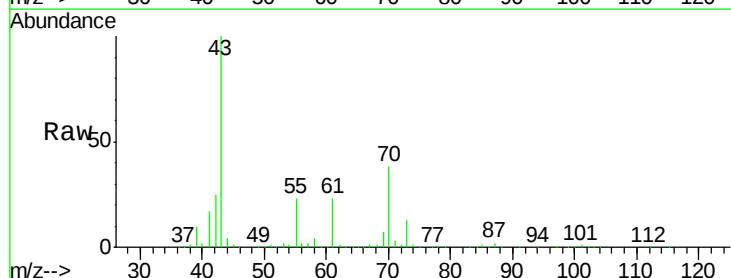
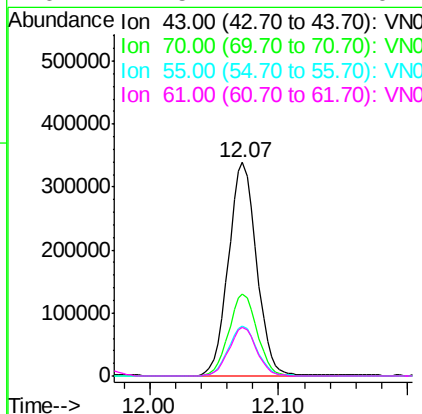
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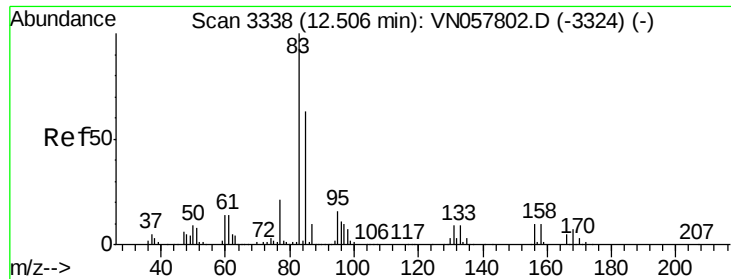
MMDadoda
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#74
N-ethyl acetate
Concen: 50.143 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 43 Resp: 511167
Ion Ratio Lower Upper
43 100
70 39.1 30.6 45.8
55 24.0 18.6 27.8
61 22.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.282 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

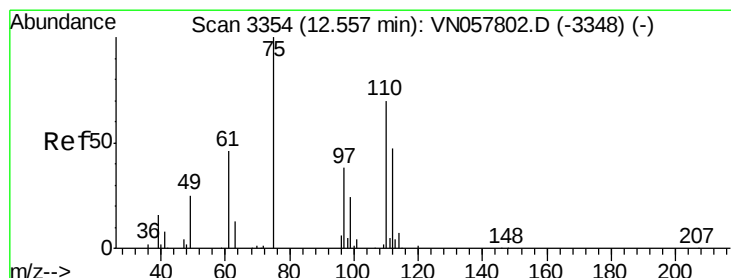
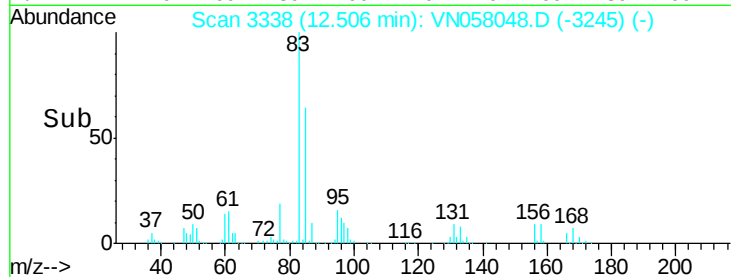
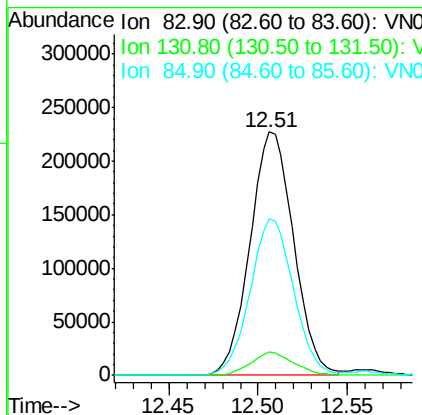
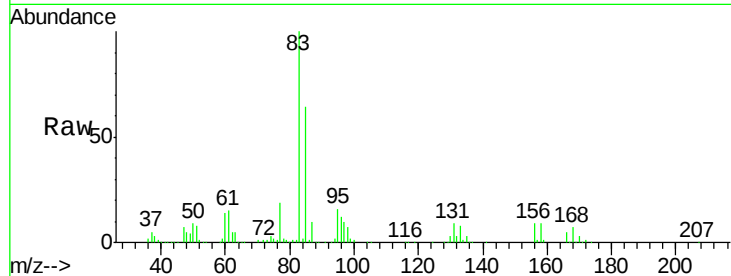
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	388677
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.9	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 46.414 ug/l m

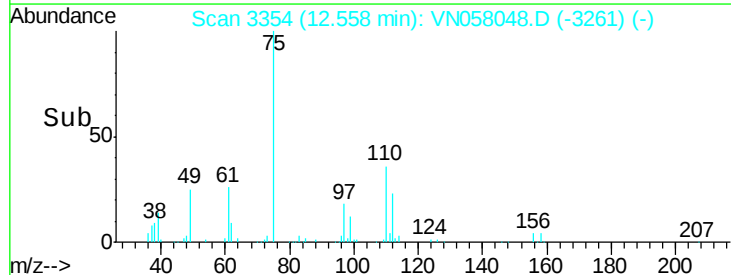
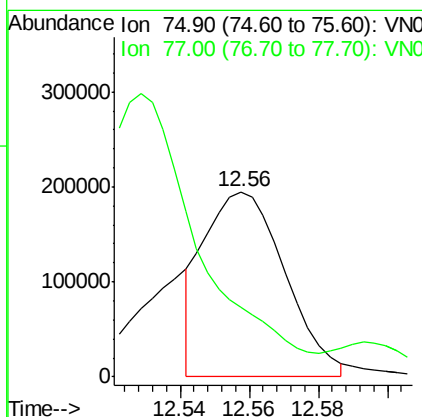
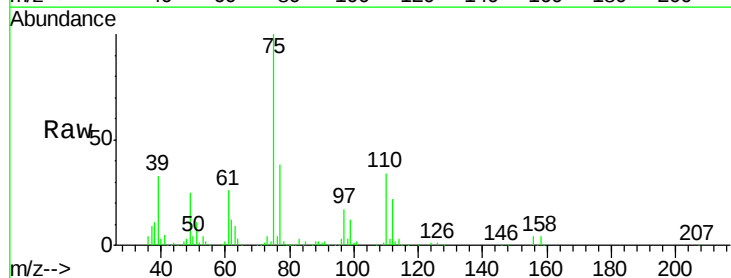
RT: 12.56 min Scan# 3354

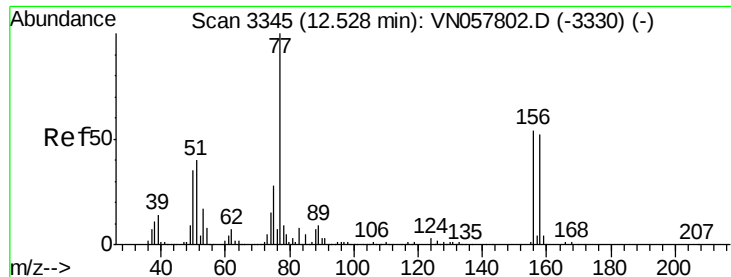
Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion:	75	Resp:	316947
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.406 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 282693

Ion Ratio Lower Upper

156 100

77 221.1 113.7 341.1

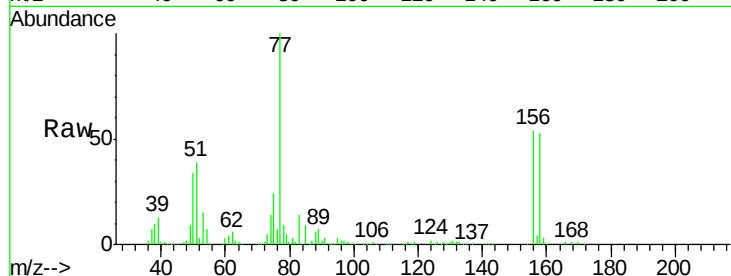
158 96.3 48.5 145.6

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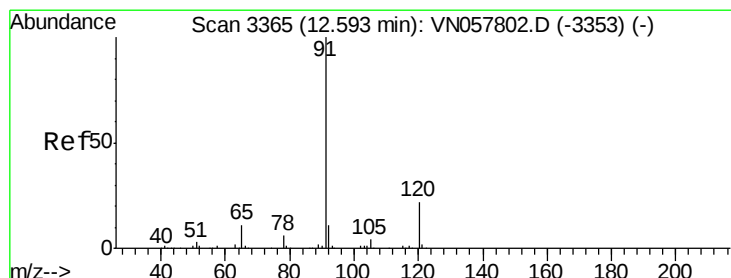
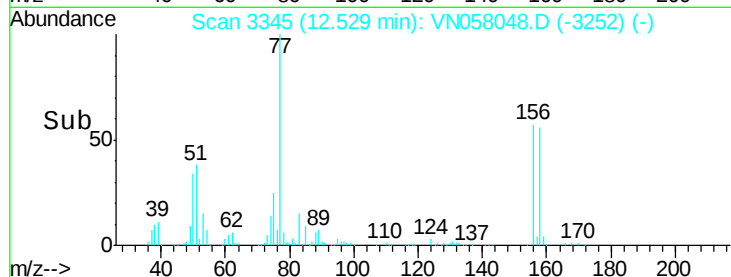
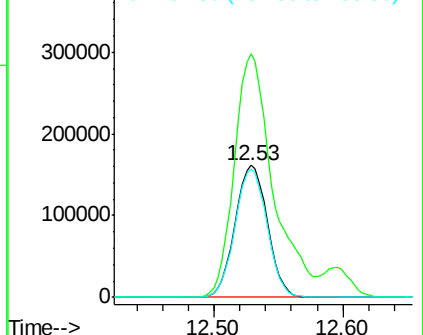
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.603 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058048.D

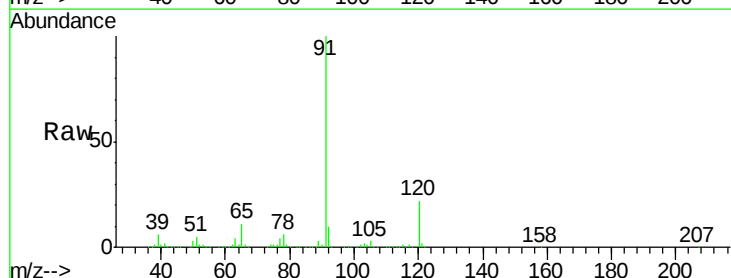
Acq: 14 Sep 2019 3:05

Tgt Ion: 91 Resp: 1414898

Ion Ratio Lower Upper

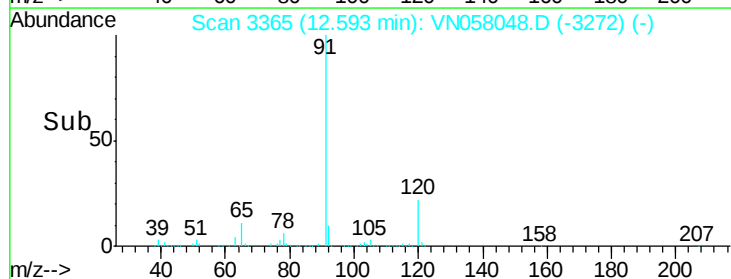
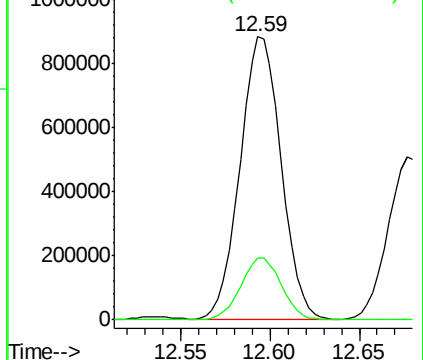
91 100

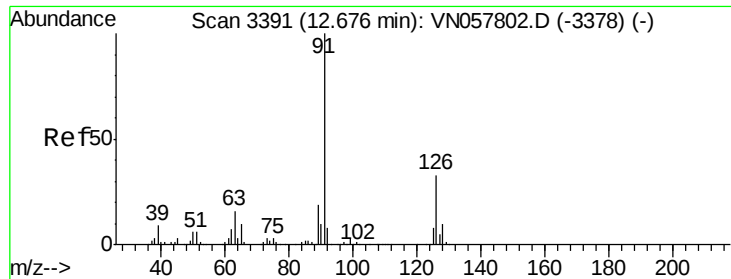
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.424 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 840218

Ion Ratio Lower Upper

91 100

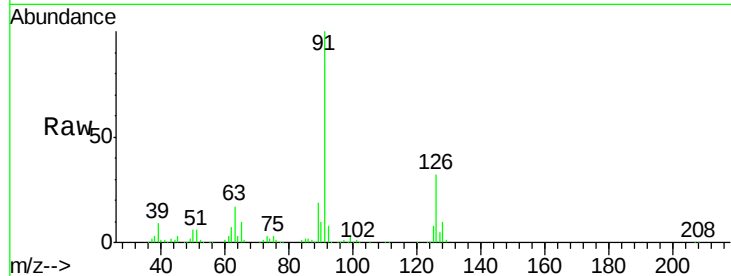
126 32.4 16.4 49.2

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Abundance Ion 91.00 (90.70 to 91.70): VN058048.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN058048.D (-3391) (-)

800000

600000

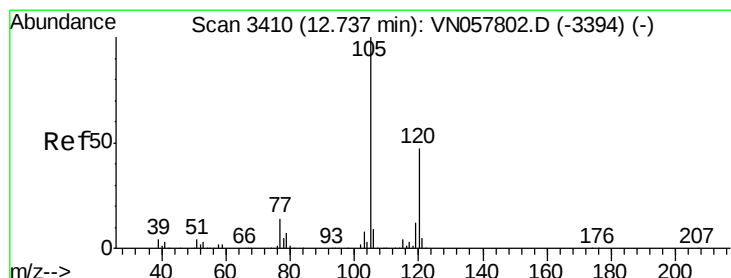
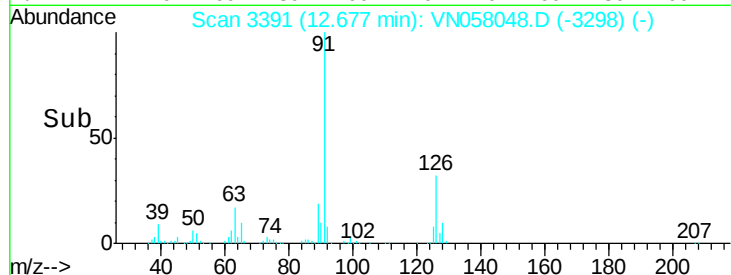
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.607 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058048.D

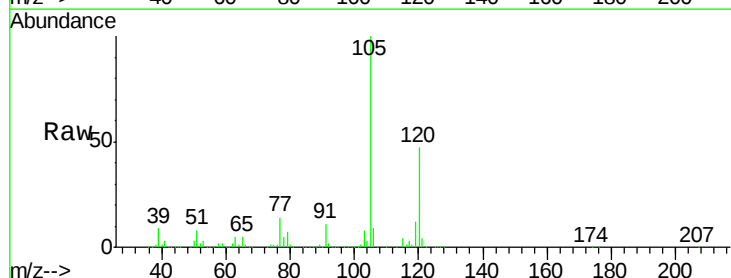
Acq: 14 Sep 2019 3:05

Tgt Ion: 105 Resp: 1041193

Ion Ratio Lower Upper

105 100

120 47.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058048.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058048.D (-3410) (-)

600000

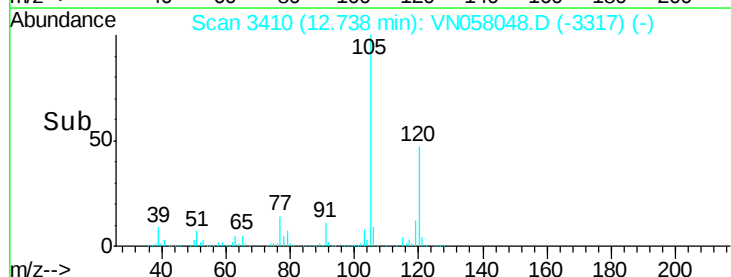
400000

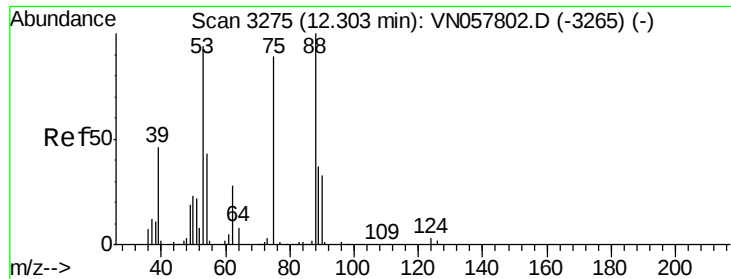
200000

0

12.70 12.74 12.80

Time-->





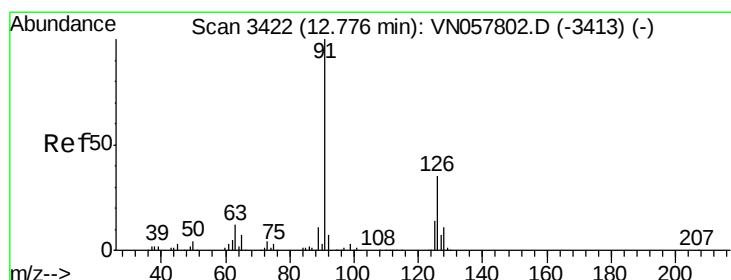
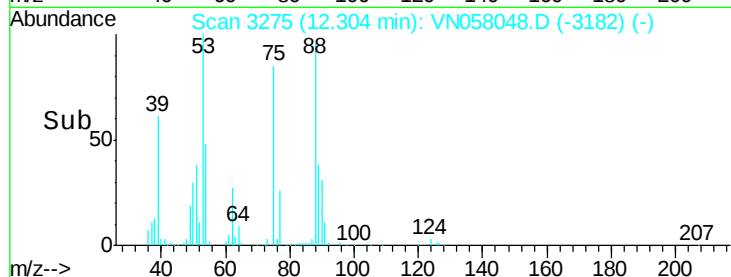
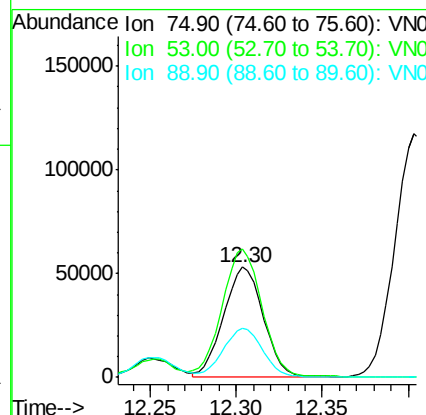
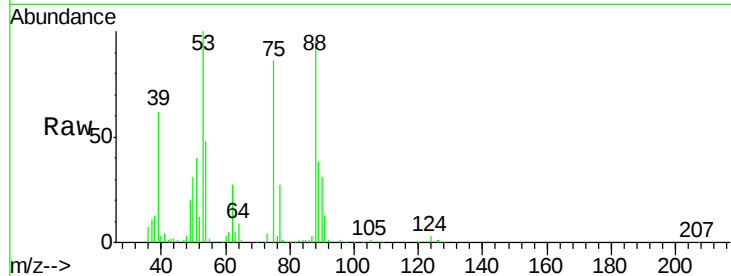
#81
trans-1,4-Dichloro-2-butene
Concen: 43.753 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.3	88.4	132.6
89	45.0	35.3	52.9

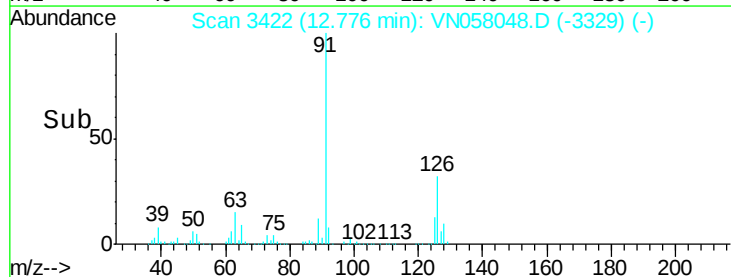
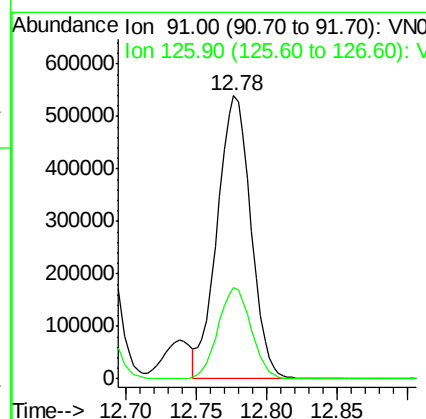
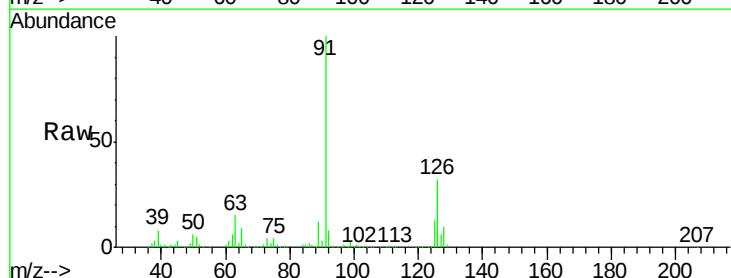
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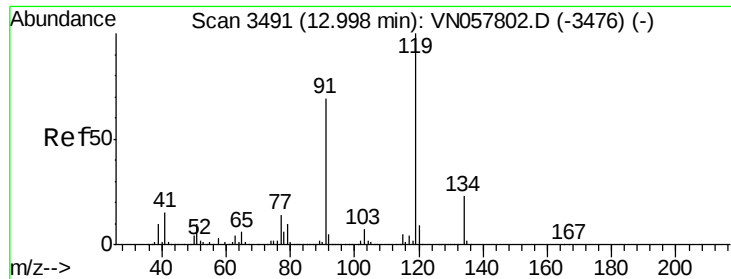
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#82
4-Chlorotoluene
Concen: 51.091 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	48.0





#83

tert-Butylbenzene

Concen: 50.989 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 897050

Ion Ratio Lower Upper

119 100

91 68.9 33.6 100.8

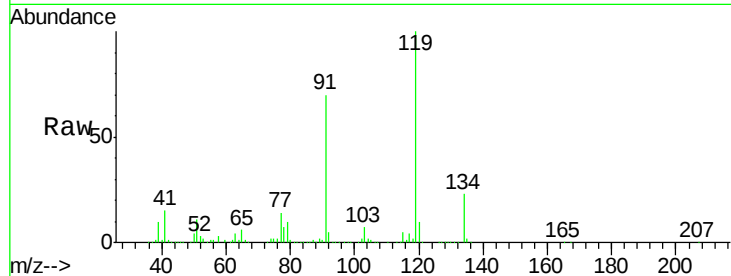
134 23.1 11.7 35.0

Manual Integrations

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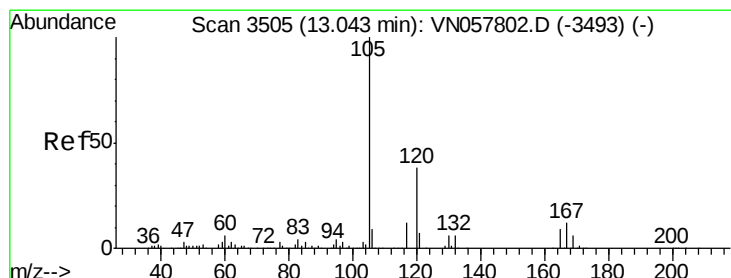
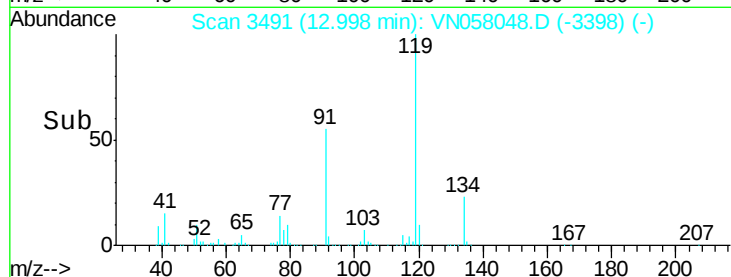
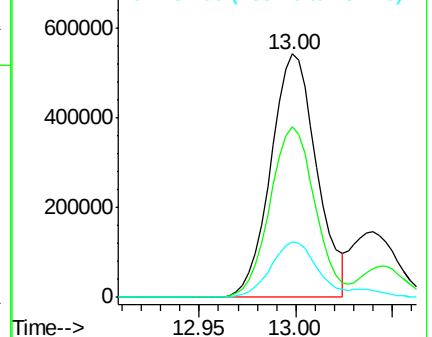
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.437 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058048.D

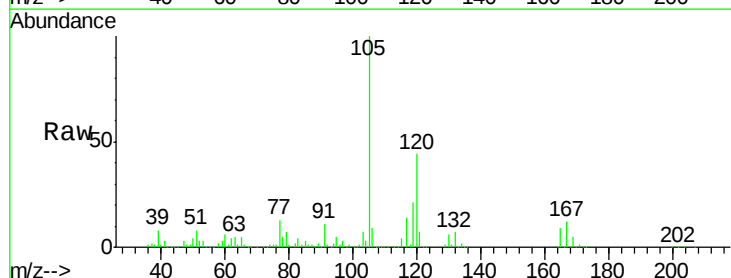
Acq: 14 Sep 2019 3:05

Tgt Ion:105 Resp: 1054782

Ion Ratio Lower Upper

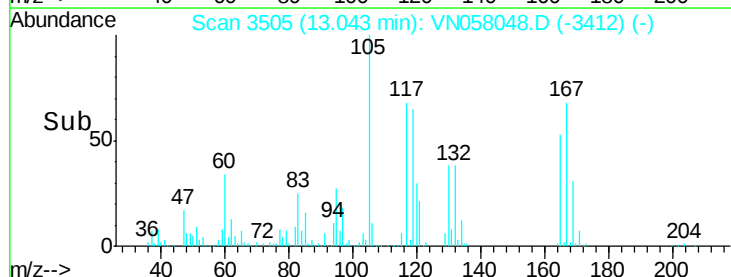
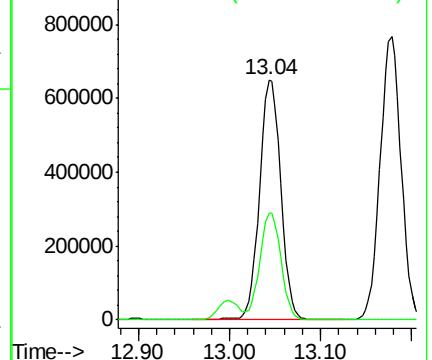
105 100

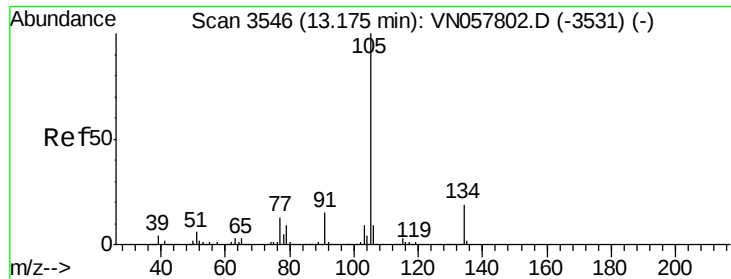
120 44.1 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





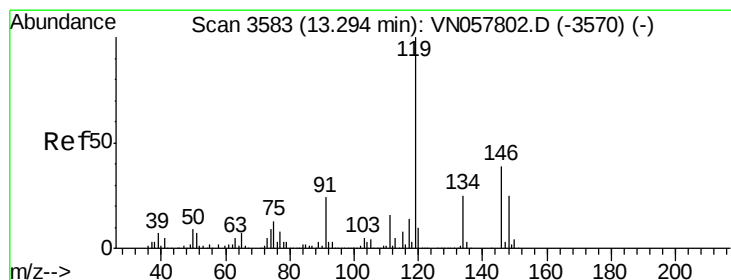
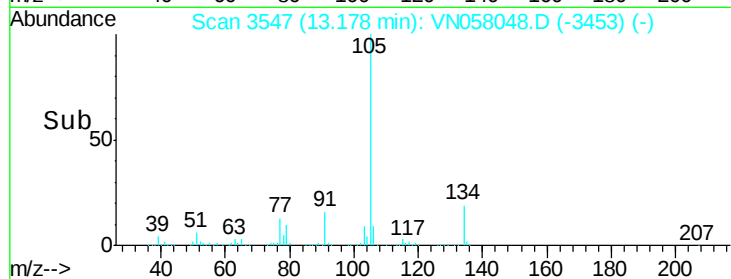
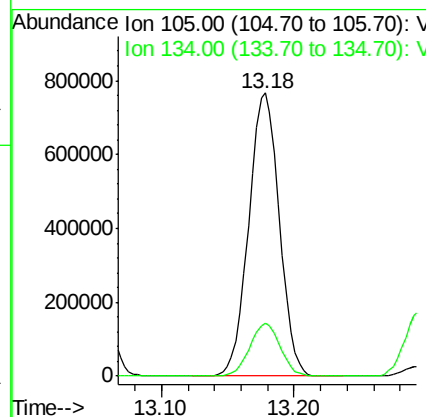
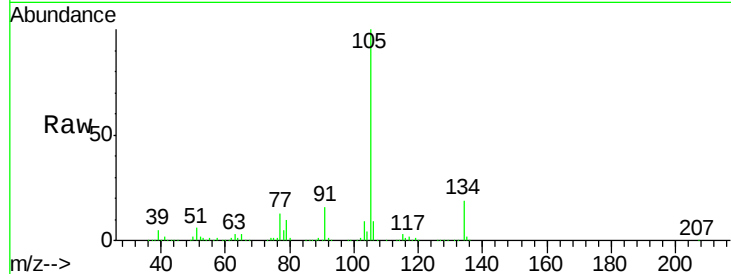
#85
 sec-Butylbenzene
 Concen: 52.514 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1224546
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.6 28.6

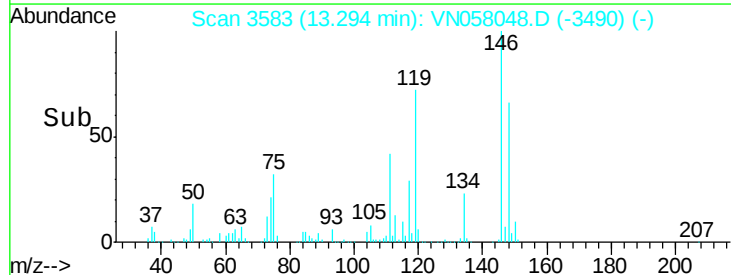
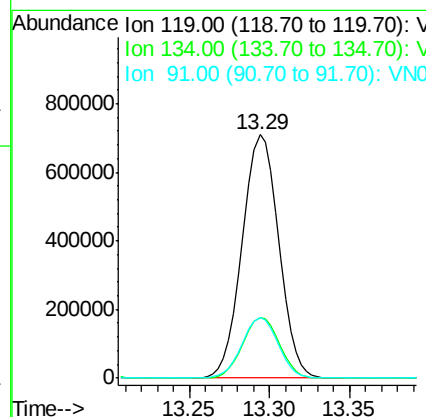
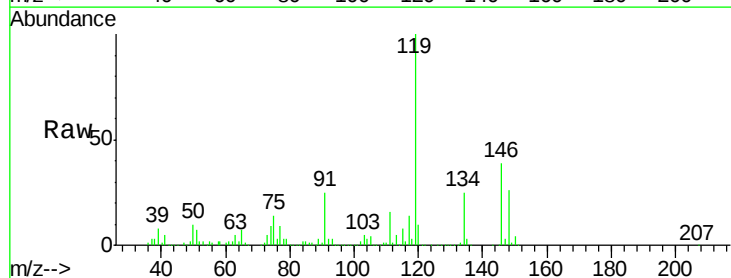
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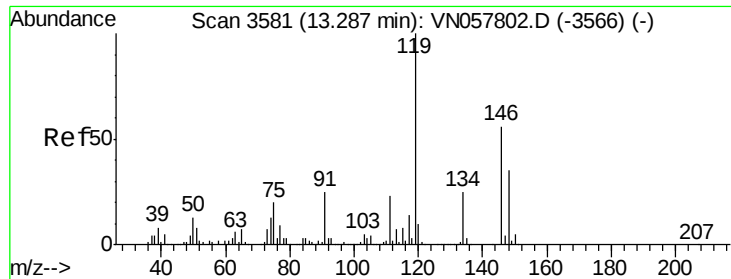
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#86
 p-Isopropyltoluene
 Concen: 53.598 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion:119 Resp: 1101214
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 50.106 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

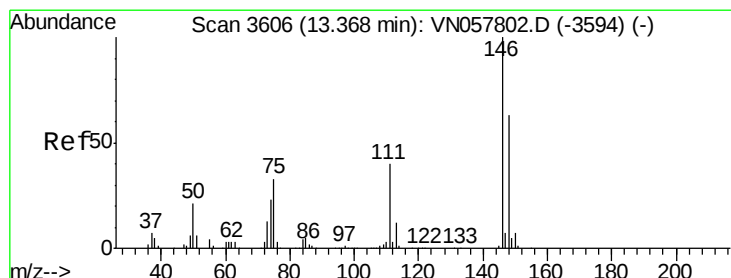
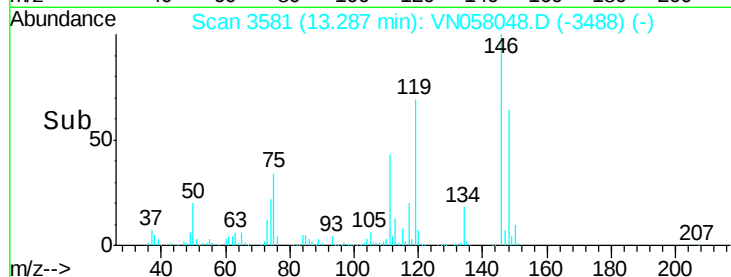
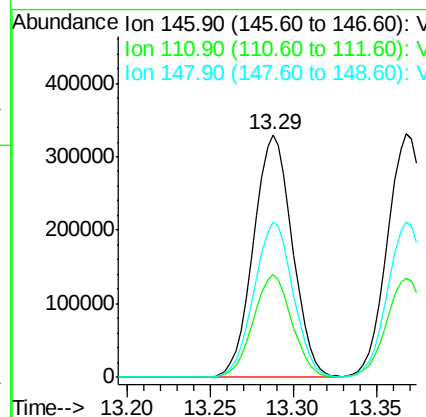
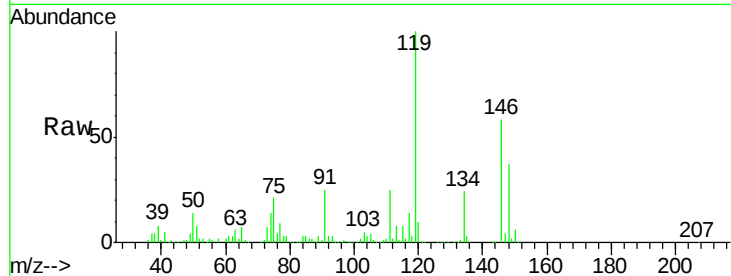
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	537109
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.5	61.6
148	64.3	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 49.903 ug/l

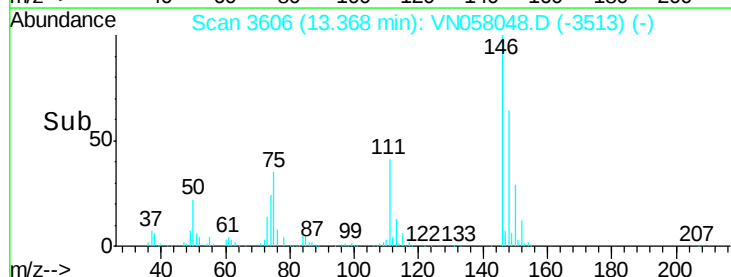
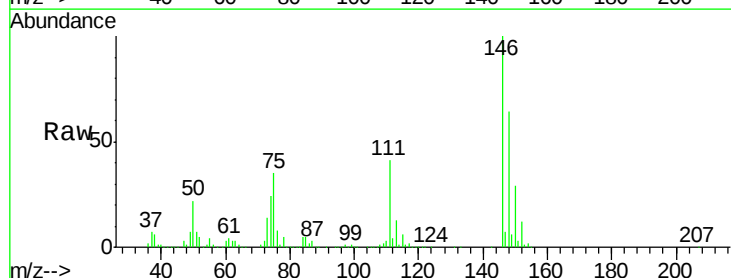
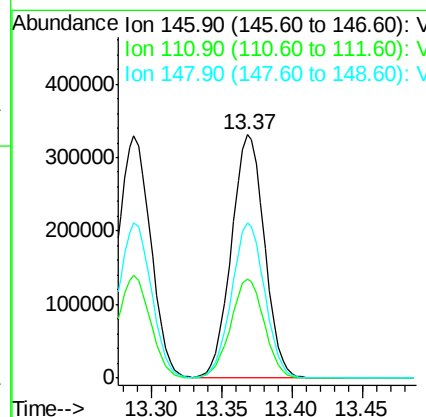
RT: 13.37 min Scan# 3606

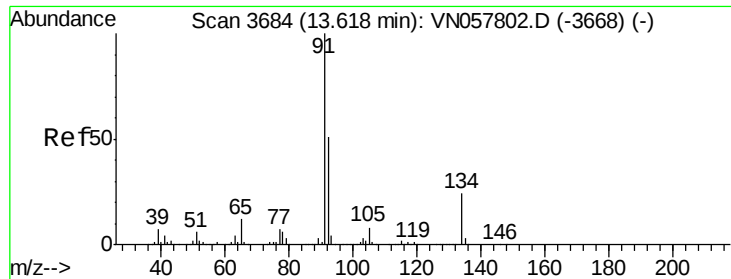
Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion:	146	Resp:	542984
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.4	61.2
148	63.7	31.8	95.4





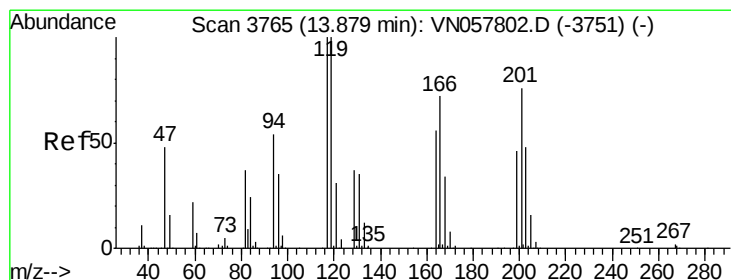
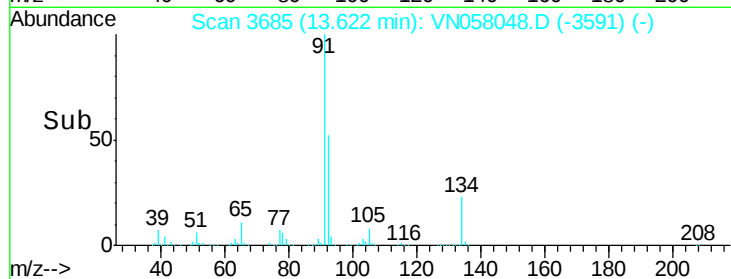
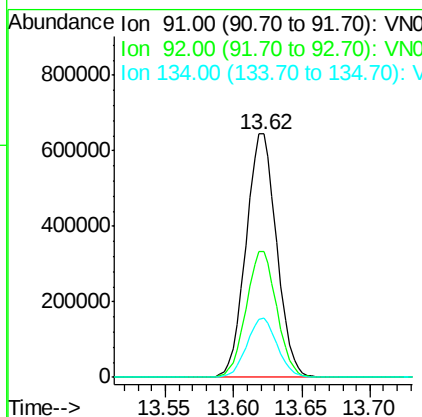
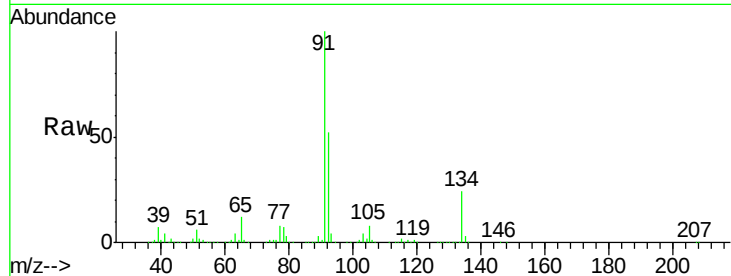
#89
n-Butylbenzene
Concen: 51.768 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1004442
Ion Ratio Lower Upper
91 100
92 51.6 25.7 77.0
134 24.0 11.9 35.7

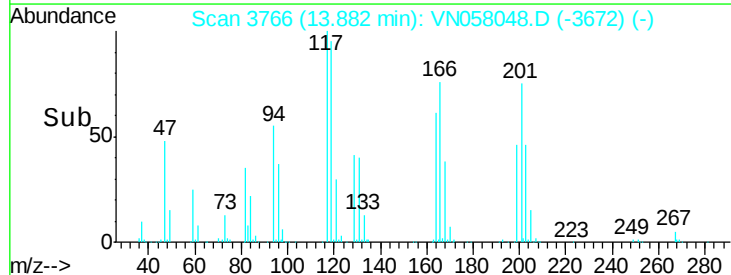
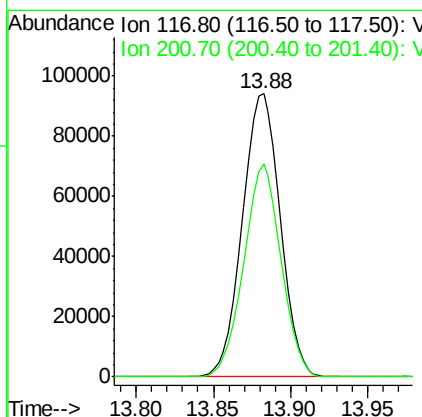
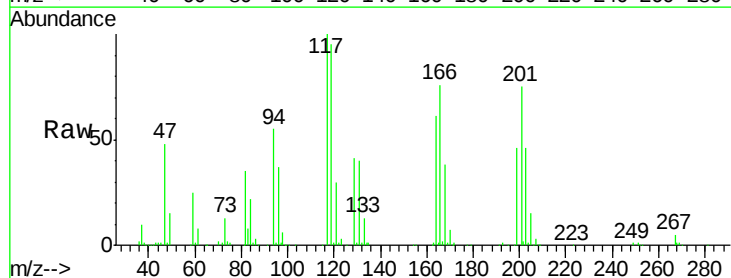
Manual Integrations
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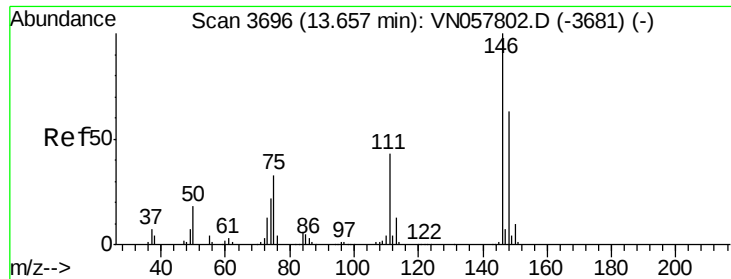
MMDadoda
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#90
Hexachloroethane
Concen: 52.544 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 117 Resp: 160554
Ion Ratio Lower Upper
117 100
201 73.8 37.5 112.7





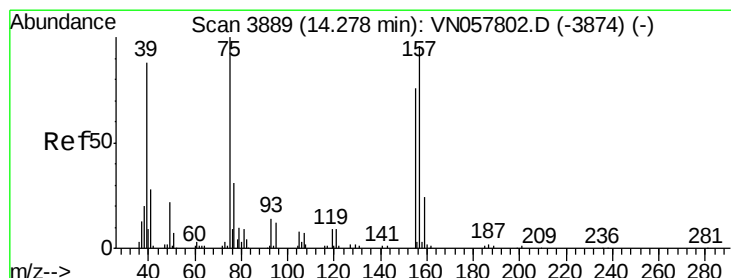
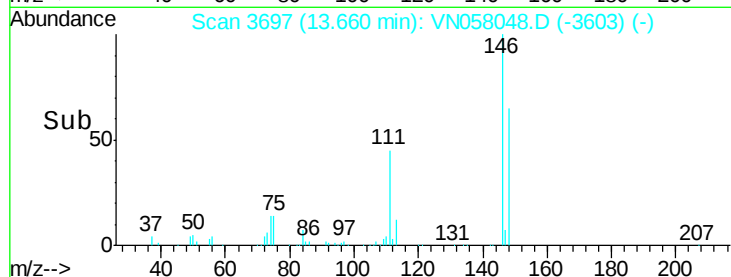
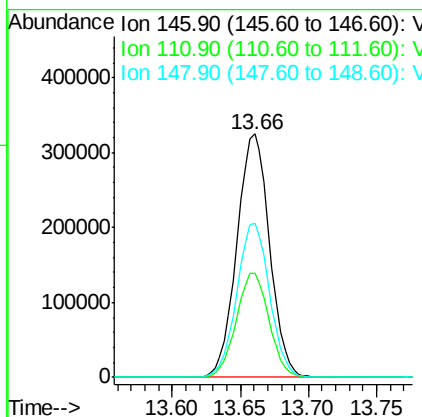
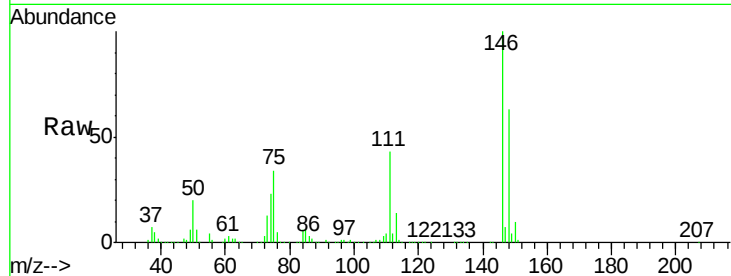
#91
 1,2-Dichlorobenzene
 Concen: 50.457 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	63.4	31.4	94.3

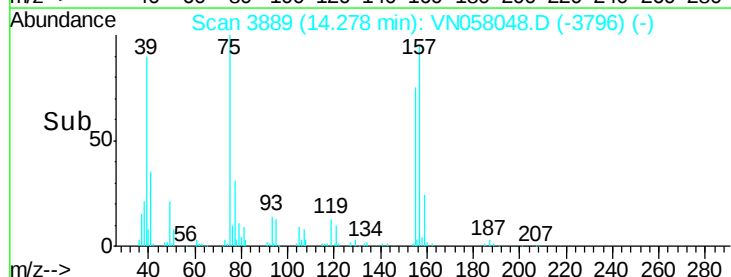
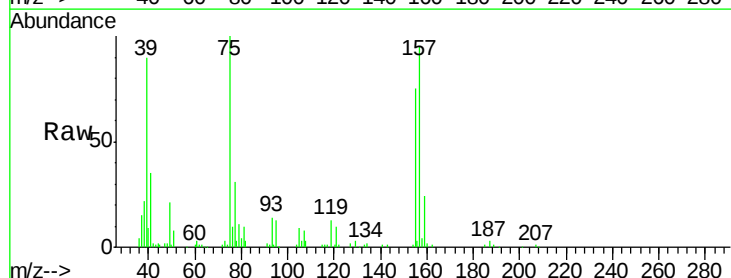
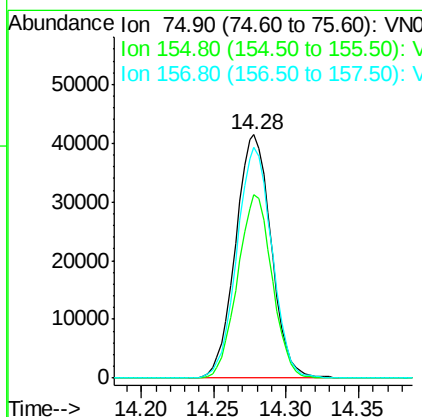
Manual Integrations
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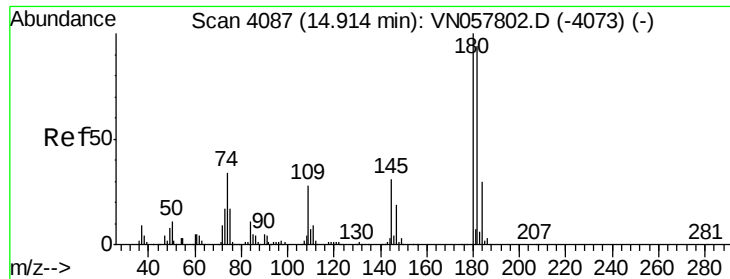
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.378 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	37.3	111.8
157	93.1	47.9	143.8





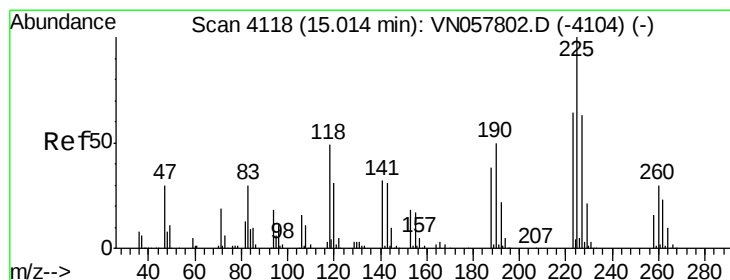
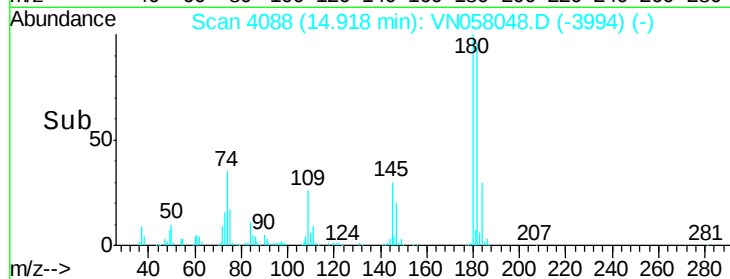
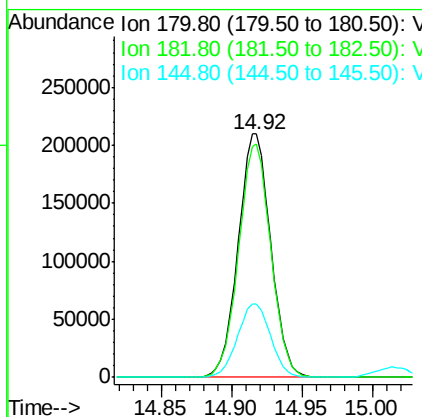
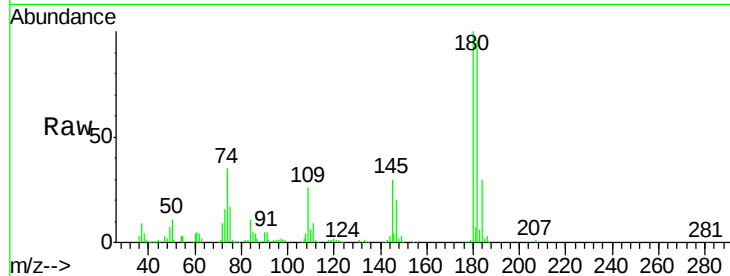
#93
 1,2,4-Trichlorobenzene
 Concen: 48.450 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	46.9	140.8	
145	30.8	14.9	44.7	

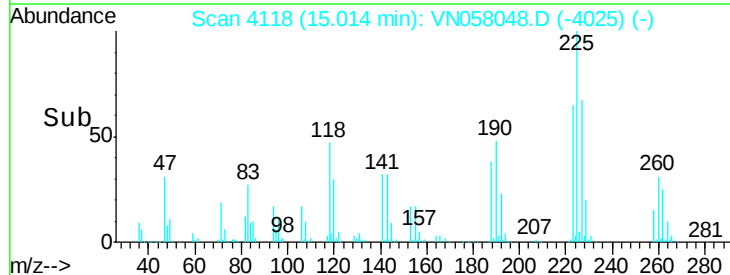
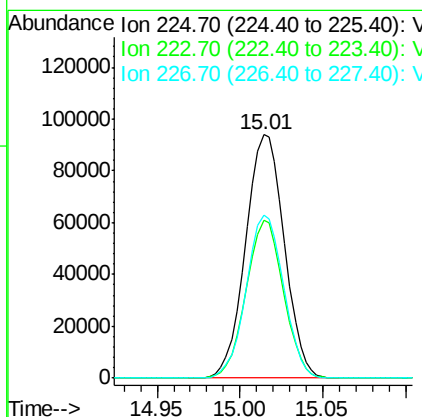
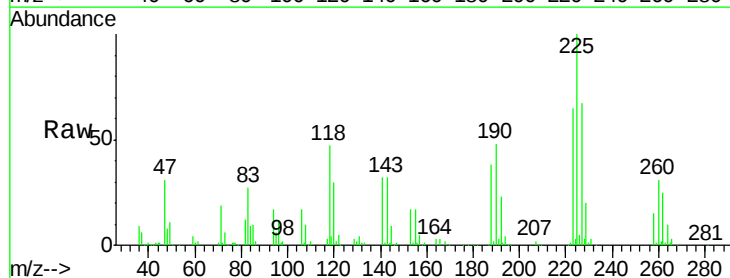
Manual Integrations
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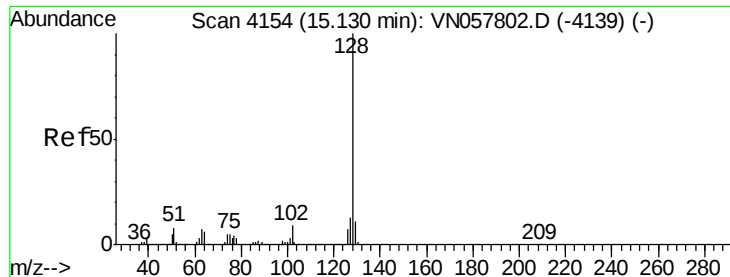
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#94
 Hexachlorobutadiene
 Concen: 51.228 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	32.4	97.2	
227	65.0	31.8	95.4	





#95

Naphthalene

Concen: 54.619 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

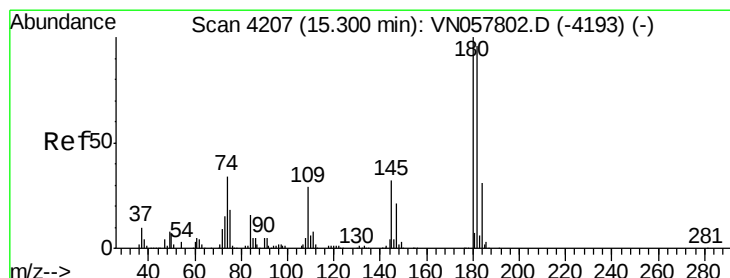
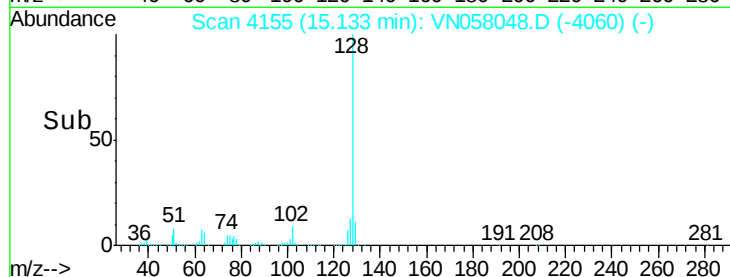
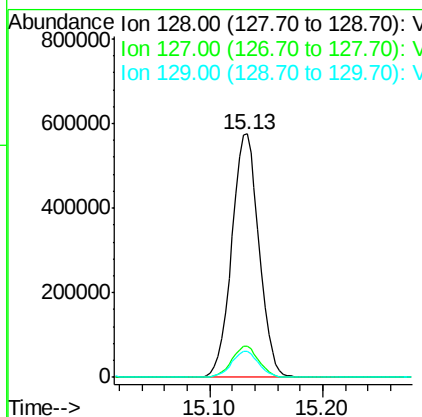
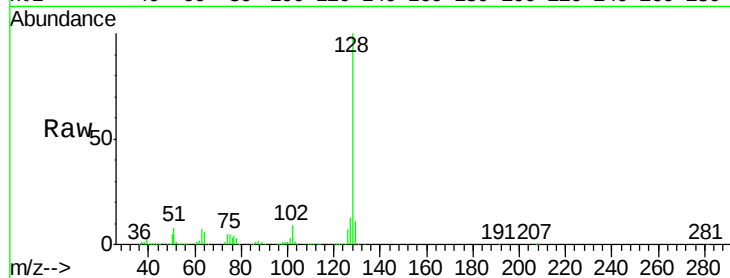
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	962622
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.894 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion:	180	Resp:	323584
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.3	144.8
145	32.5	16.3	48.8

