

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057135.D
 Acq On : 9 Aug 2019 10:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:32:02 PM

Quant Time: Aug 10 02:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1114857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1606990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1440457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	612553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	518268	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
35) Dibromofluoromethane	6.99	113	483146	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	9.56	98	1820942	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.92	95	613127	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	415022	46.317	ug/l	100
3) Chloromethane	2.00	50	530238	44.537	ug/l	99
4) Vinyl Chloride	2.11	62	521067	47.086	ug/l	99
5) Bromomethane	2.43	94	369316	49.116	ug/l	100
6) Chloroethane	2.55	64	348416	49.085	ug/l	98
7) Trichlorofluoromethane	2.82	101	772167	48.543	ug/l	100
8) Diethyl Ether	3.14	74	303615	49.403	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	476744	49.440	ug/l	99
10) Methyl Iodide	3.62	142	744609	51.099	ug/l	100
11) Tert butyl alcohol	4.23	59	374715	229.662	ug/l	99
12) 1,1-Dichloroethene	3.43	96	472614	49.820	ug/l	99
13) Acrolein	3.31	56	210711	204.143	ug/l	98
14) Allyl chloride	3.91	41	689923	50.045	ug/l	100
15) Acrylonitrile	4.44	53	1113132	252.080	ug/l	98
16) Acetone	3.47	43	954043	275.529	ug/l	98
17) Carbon Disulfide	3.72	76	1239397	49.111	ug/l	99
18) Methyl Acetate	3.89	43	530105	51.402	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1480290	51.688	ug/l	98
20) Methylene Chloride	4.10	84	546396	47.814	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	514928	49.829	ug/l	97
22) Diisopropyl ether	5.32	45	1495115	49.720	ug/l	96
23) Vinyl Acetate	5.26	43	6013162	261.136	ug/l	99
24) 1,1-Dichloroethane	5.25	63	908563	49.150	ug/l	97
25) 2-Butanone	6.20	43	1415525	267.570	ug/l	99
26) 2,2-Dichloropropane	6.21	77	734017	54.579	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	605824	51.174	ug/l	99
28) Bromochloromethane	6.59	49	406988	47.866	ug/l	97
29) Tetrahydrofuran	6.60	42	907977	254.779	ug/l	100
30) Chloroform	6.76	83	937282	48.989	ug/l	99
31) Cyclohexane	7.07	56	778857	46.832	ug/l	100
32) 1,1,1-Trichloroethane	6.98	97	813968	50.715	ug/l	100
36) 1,1-Dichloropropene	7.20	75	699861	52.895	ug/l	99
37) Ethyl Acetate	6.28	43	574236	52.649	ug/l #	100
38) Carbon Tetrachloride	7.18	117	711044	51.565	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	840428	52.232	ug/l	96
40) Benzene	7.46	78	2149627	51.320	ug/l	99
41) Methacrylonitrile	6.54	41	303716	54.819	ug/l	98
42) 1,2-Dichloroethane	7.54	62	676441	50.637	ug/l	98
43) Isopropyl Acetate	7.56	43	976860	52.482	ug/l	98
44) Trichloroethene	8.27	130	605198	51.573	ug/l	99
45) 1,2-Dichloropropane	8.56	63	564439	52.044	ug/l	97
46) Dibromomethane	8.65	93	362717	52.160	ug/l	99
47) Bromodichloromethane	8.85	83	727921	54.099	ug/l	99
48) Methyl methacrylate	8.64	41	447925	51.035	ug/l	99
49) 1,4-Dioxane	8.64	88	195379	1092.986	ug/l	97
51) 4-Methyl-2-Pentanone	9.44	43	2824695	260.756	ug/l	98
52) Toluene	9.63	92	1367489	52.596	ug/l	100
53) t-1,3-Dichloropropene	9.86	75	784626	55.818	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	890693	55.221	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	526757	51.521	ug/l	99
56) Ethyl methacrylate	9.90	69	771515	53.894	ug/l	100
57) 1,3-Dichloropropane	10.19	76	878330	52.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1341456	235.793	ug/l	99
59) 2-Hexanone	10.24	43	2021286	275.700	ug/l	100
60) Dibromochloromethane	10.39	129	590774	55.018	ug/l	99
61) 1,2-Dibromoethane	10.50	107	546052	51.757	ug/l	98
64) Tetrachloroethene	10.11	164	611955	51.084	ug/l	97
65) Chlorobenzene	10.93	112	1498472	51.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	566782	52.307	ug/l	99
67) Ethyl Benzene	11.01	91	2628491	52.694	ug/l	100
68) m/p-Xylenes	11.12	106	1987915	108.174	ug/l	99
69) o-Xylene	11.46	106	965618	52.796	ug/l	100
70) Styrene	11.47	104	1600414	56.023	ug/l	99
71) Bromoform	11.64	173	441747	55.655	ug/l	99
73) Isopropylbenzene	11.76	105	2609075	52.423	ug/l	99
74) N-amyl acetate	11.58	43	770608	49.644	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	714088	53.776	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	616703m	51.684	ug/l	
77) Bromobenzene	12.04	156	679890	46.178	ug/l	99
78) n-propylbenzene	12.11	91	2835562	48.252	ug/l	100
79) 2-Chlorotoluene	12.19	91	1714131	52.447	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	2194355	46.401	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	218416	52.428	ug/l	98
82) 4-Chlorotoluene	12.30	91	1651197	48.527	ug/l	100
83) tert-Butylbenzene	12.52	119	1912024	51.345	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	2087268	45.663	ug/l	99
85) sec-Butylbenzene	12.70	105	2483254	46.530	ug/l	99
86) p-Isopropyltoluene	12.82	119	2221105	47.429	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1090279	52.014	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	1023676	51.544	ug/l	99
89) n-Butylbenzene	13.15	91	1629851	50.376	ug/l	99
90) Hexachloroethane	13.41	117	388001	52.164	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	1066847	50.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	107833	50.078	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	440190	49.634	ug/l	100
94) Hexachlorobutadiene	14.55	225	446262	61.994	ug/l	98
95) Naphthalene	14.67	128	867854	49.027	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	427130	46.919	ug/l	98

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

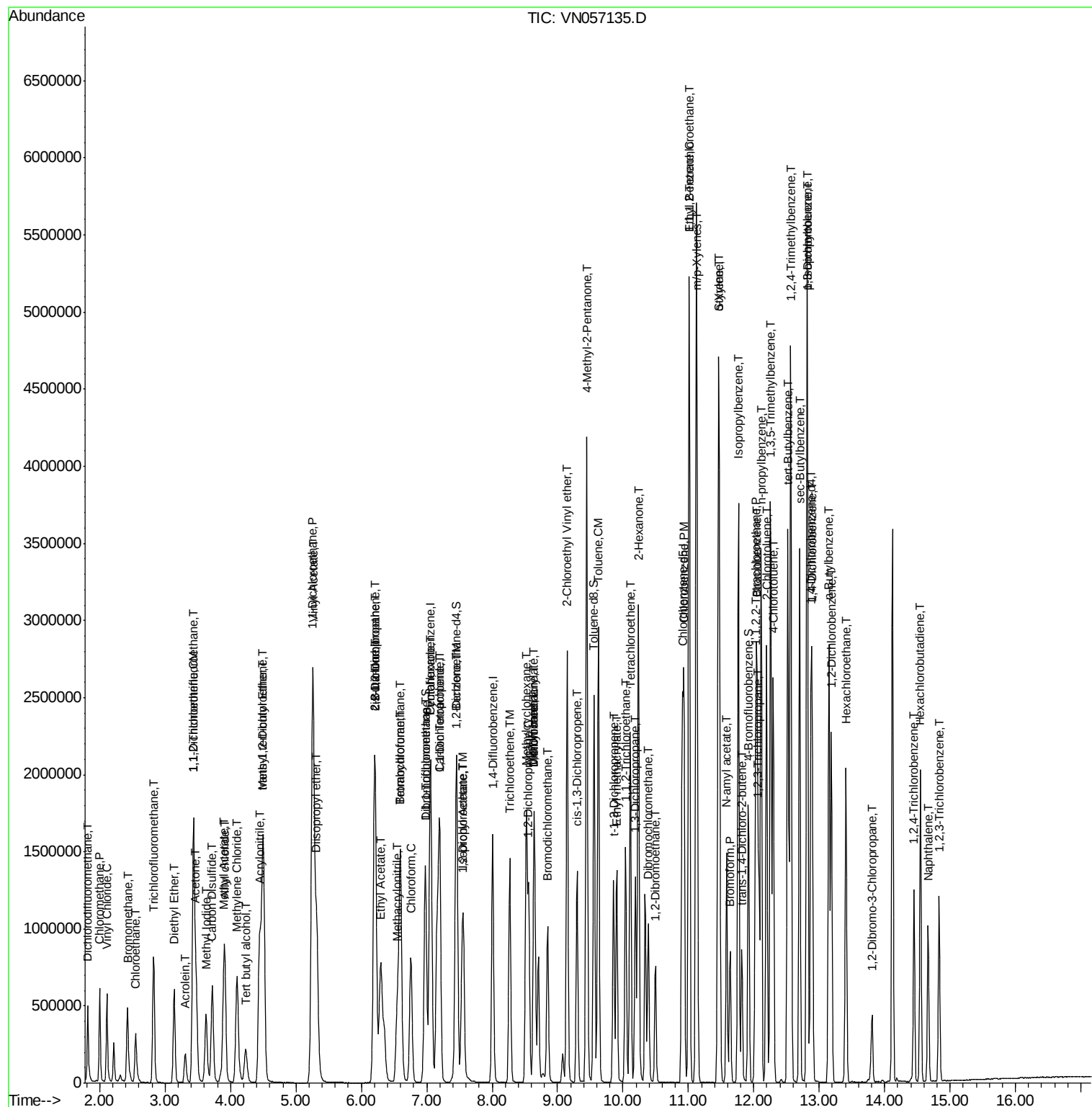
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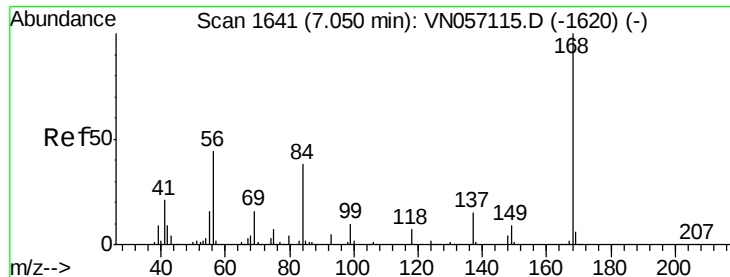
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1114857

Ion Ratio Lower Upper

168 100

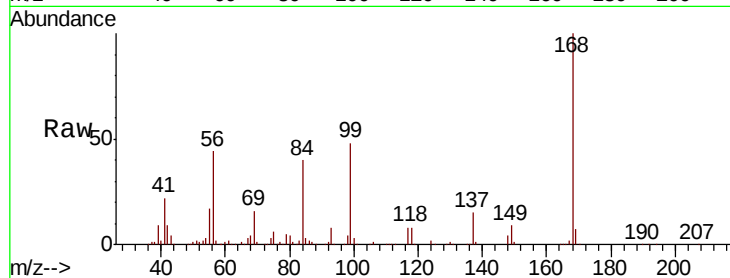
99 48.1 38.6 57.8

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

7.05

400000

300000

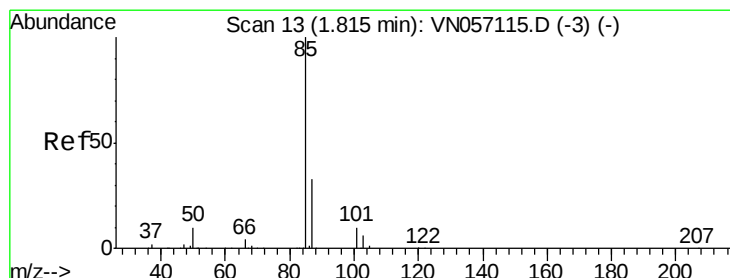
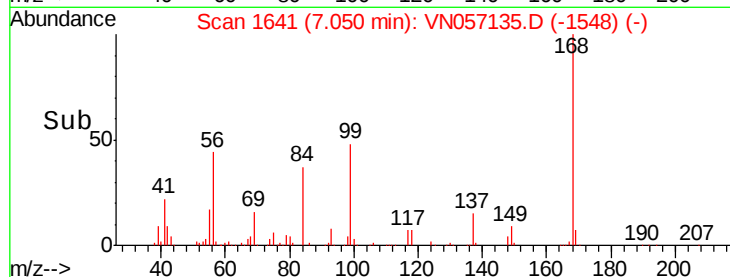
200000

100000

0

7.00 7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.317 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057135.D

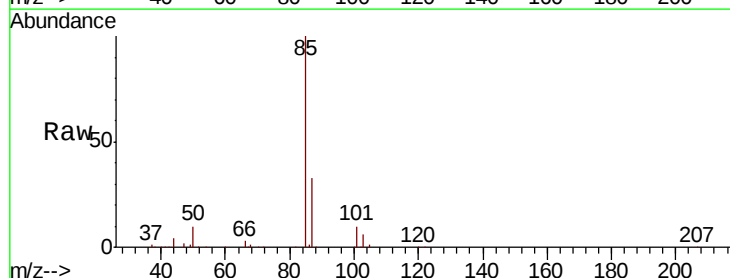
Acq: 9 Aug 2019 10:23

Tgt Ion: 85 Resp: 415022

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

300000

250000

200000

150000

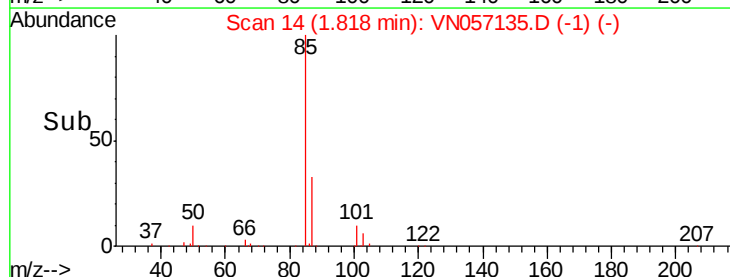
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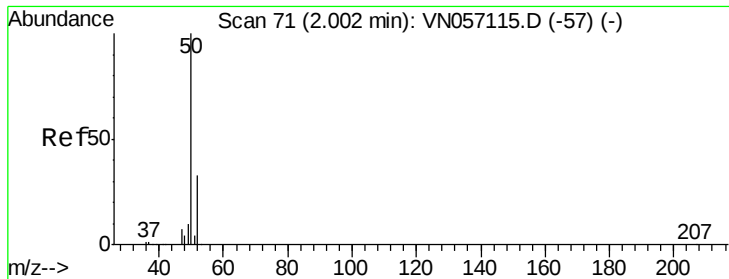
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.537 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 530238

Ion Ratio Lower Upper

50 100

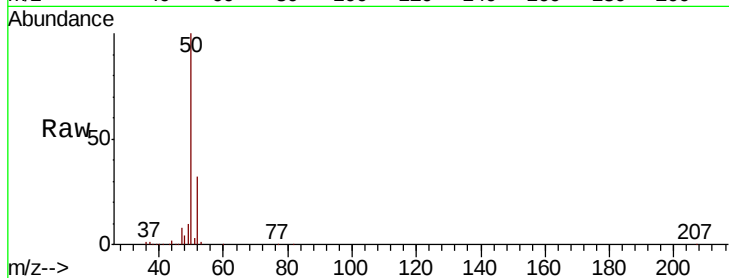
52 32.2 26.1 39.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.00

400000

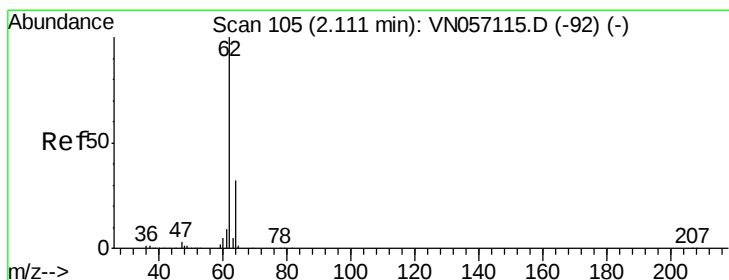
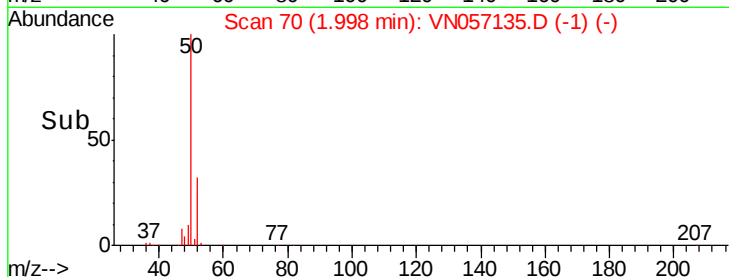
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 47.086 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057135.D

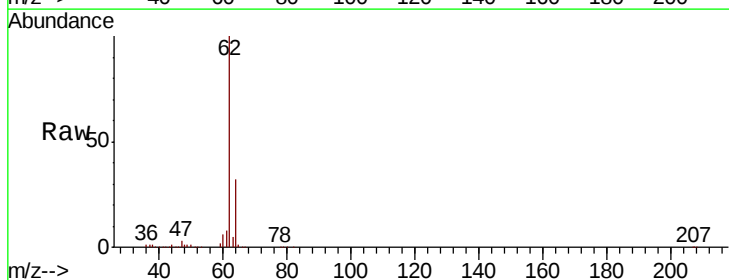
Acq: 9 Aug 2019 10:23

Tgt Ion: 62 Resp: 521067

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.11

400000

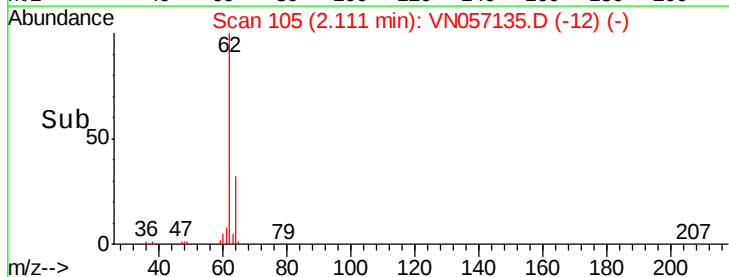
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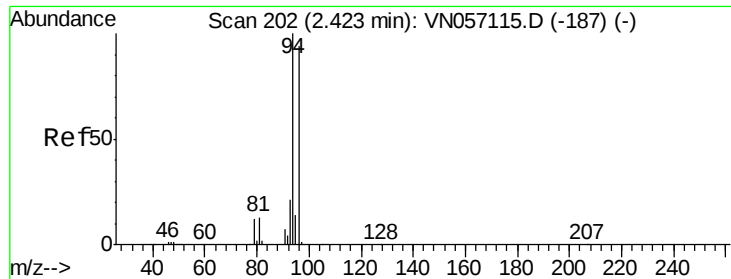
200000

100000

0

Time-->





#5

Bromomethane

Concen: 49.116 ug/l

RT: 2.43 min Scan# 203

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 369316

Ion Ratio Lower Upper

94 100

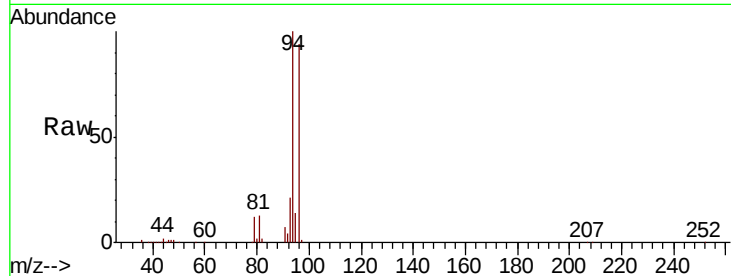
96 93.5 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.43

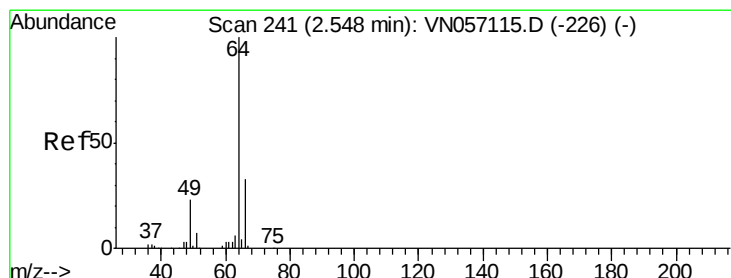
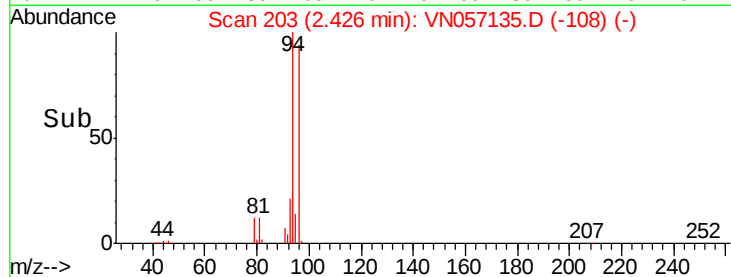
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 49.085 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057135.D

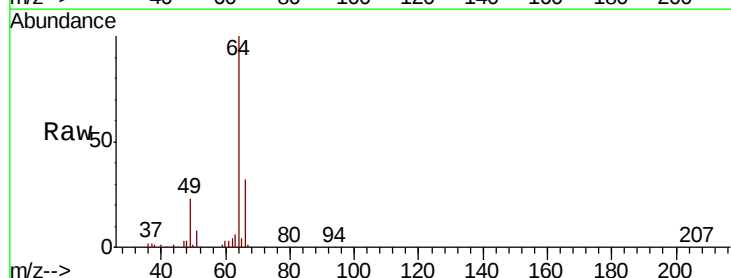
Acq: 9 Aug 2019 10:23

Tgt Ion: 64 Resp: 348416

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.55

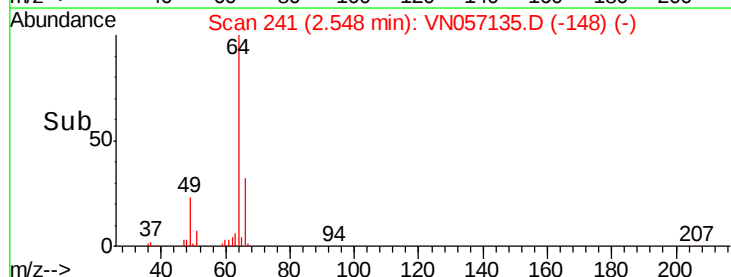
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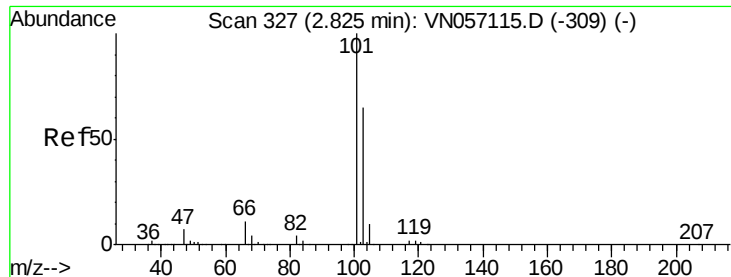
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Time-->





#7

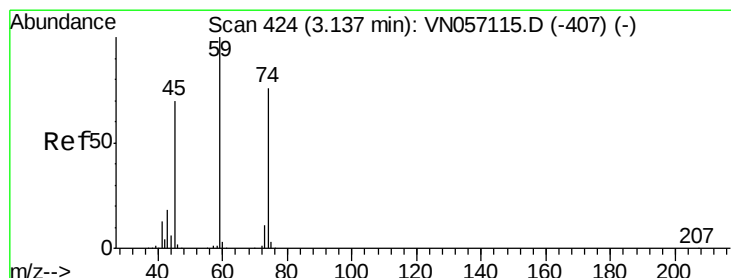
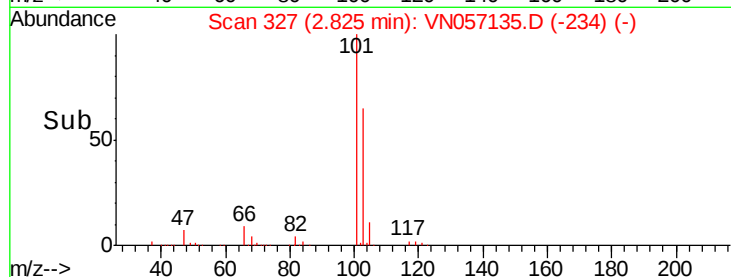
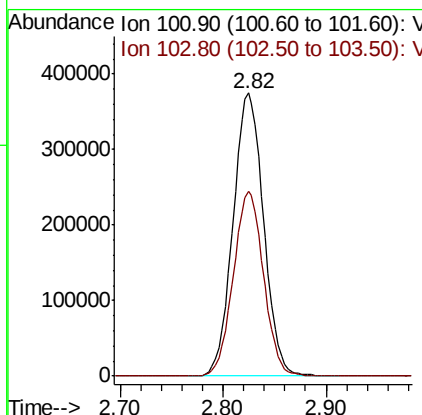
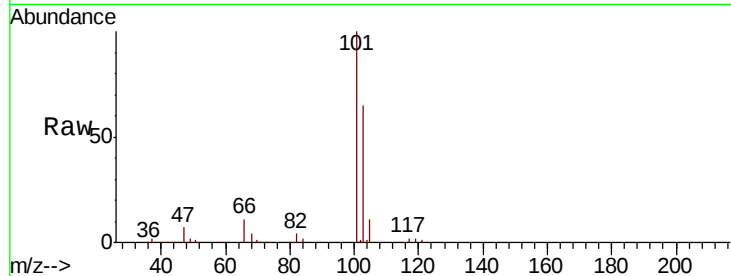
Trichlorofluoromethane
 Concen: 48.543 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

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 MSVOA_N
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

Manual Integrations
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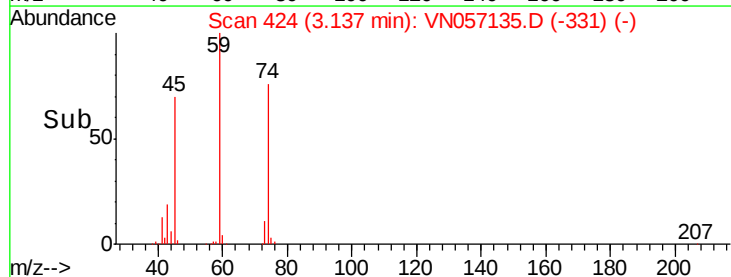
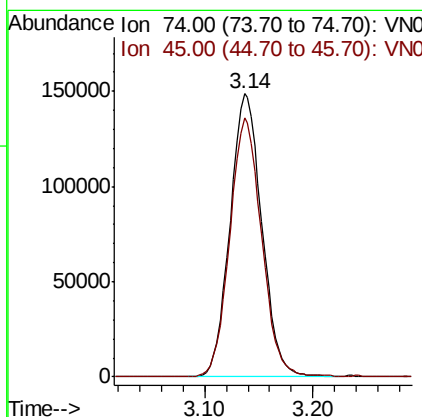
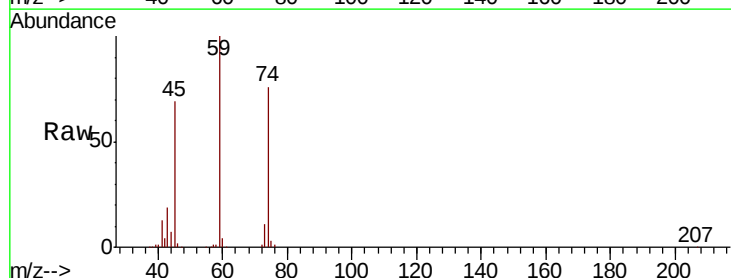
MMDadoda
 8/12/2019 3:32:02 PM

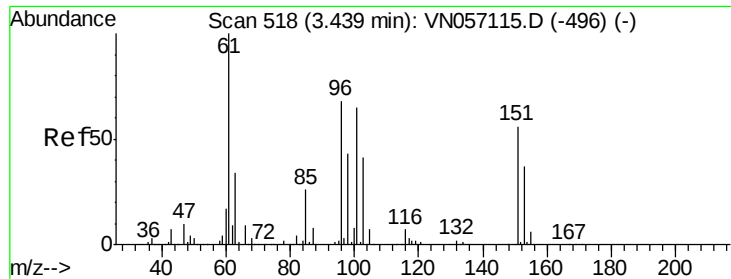


#8

Diethyl Ether
 Concen: 49.403 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.440 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

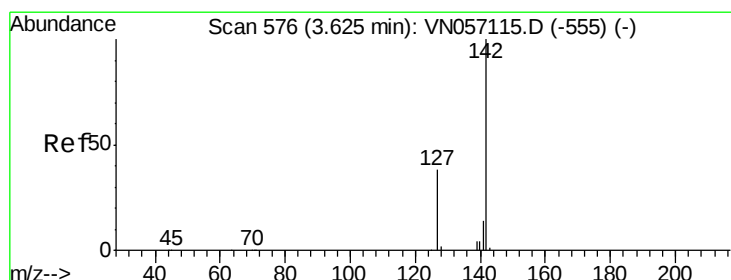
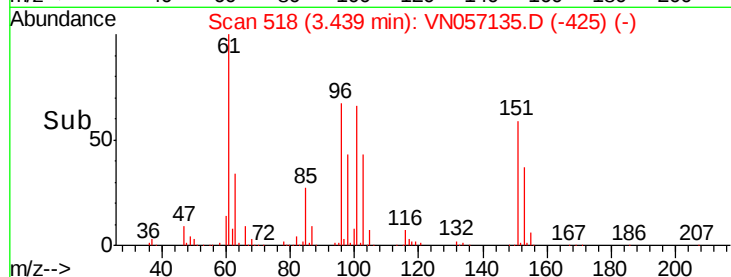
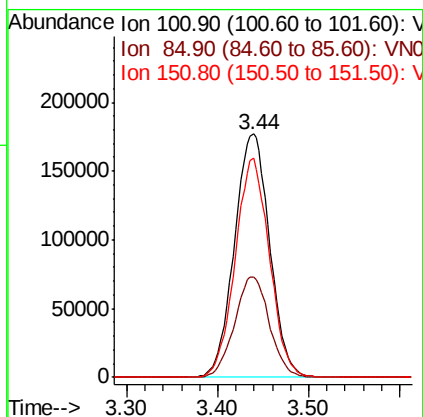
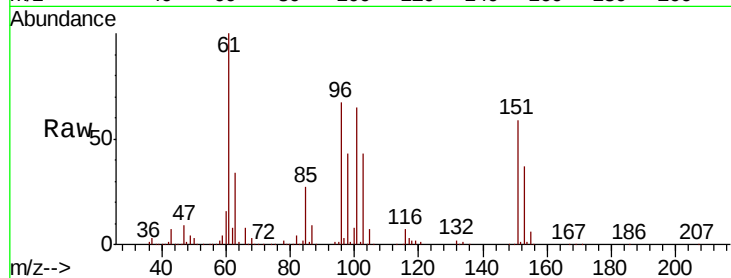
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	476744
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.3	48.5
151	87.3	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 51.099 ug/l

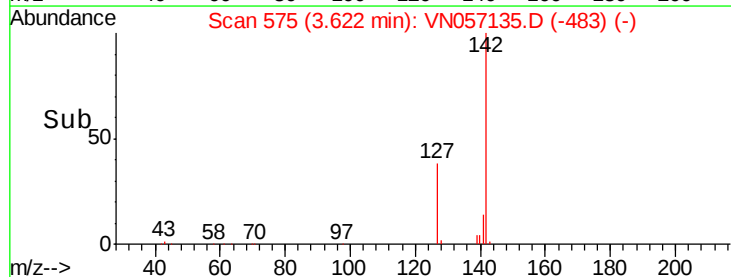
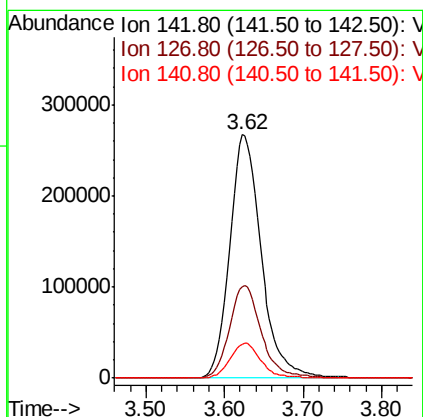
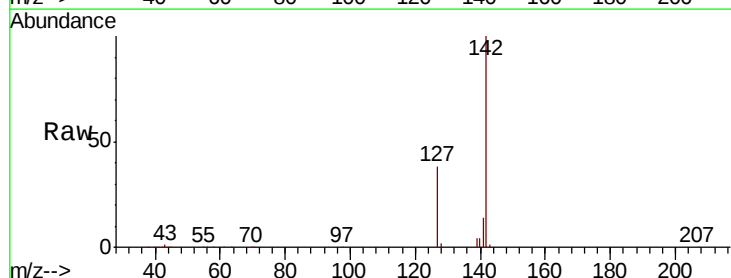
RT: 3.62 min Scan# 575

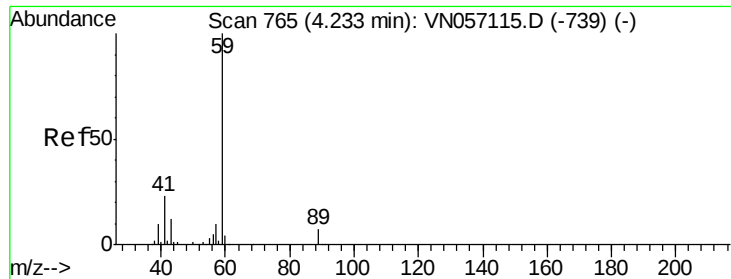
Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion:	142	Resp:	744609
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.6
141	14.0	11.2	16.8





#11

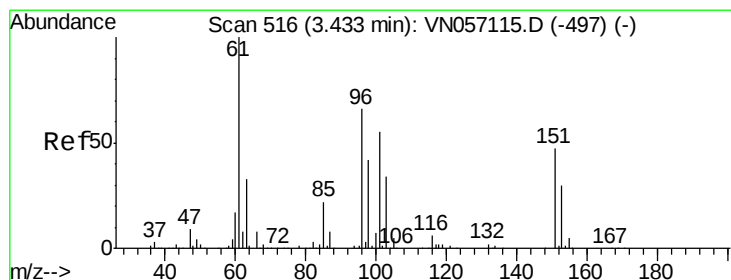
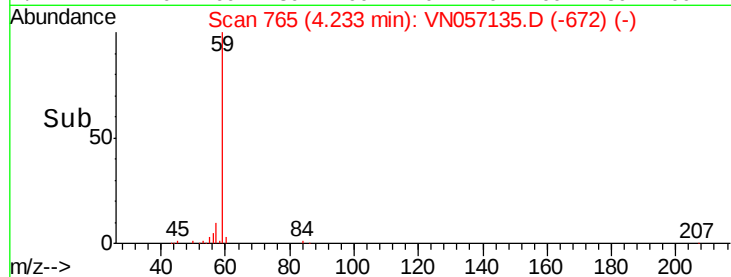
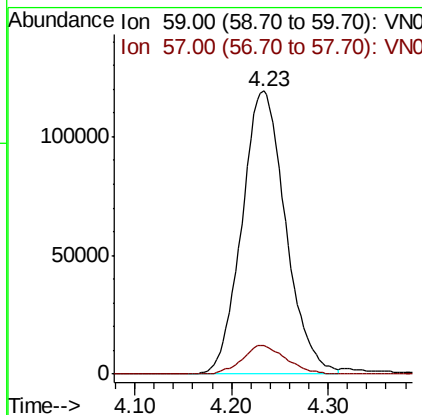
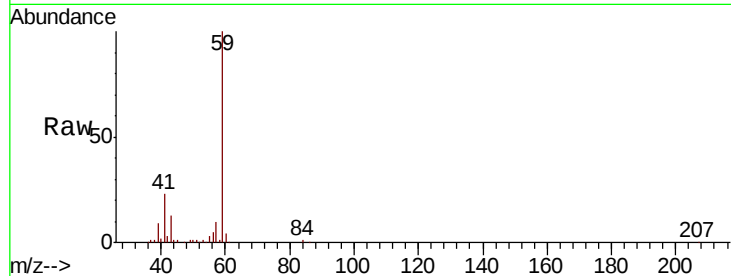
Tert butyl alcohol
 Concen: 229.662 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
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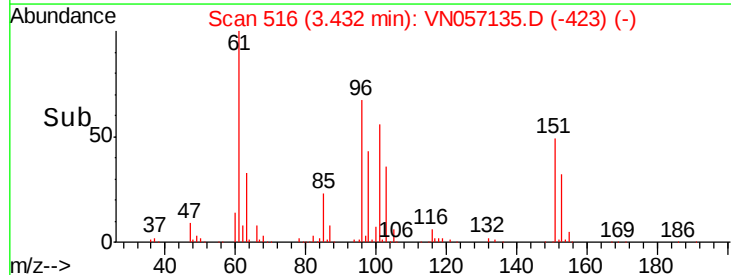
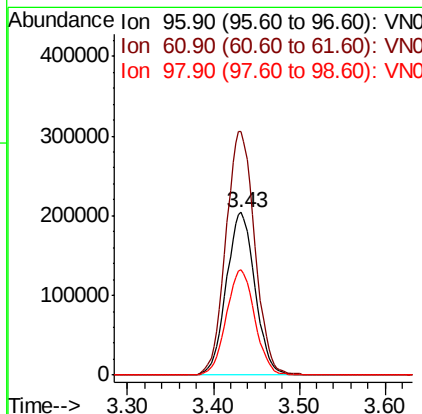
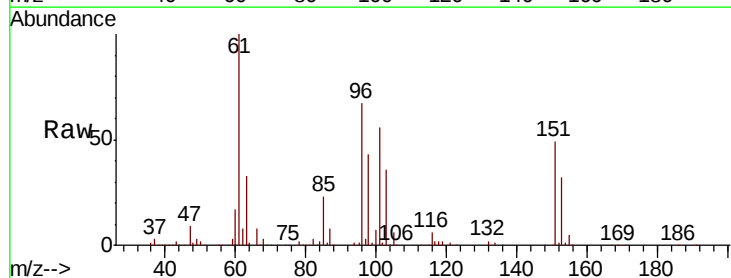
MMDadoda
 8/12/2019 3:32:02 PM

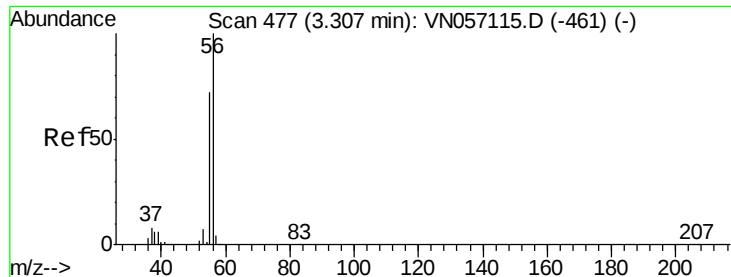


#12

1,1-Dichloroethene
 Concen: 49.820 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	121.0	181.6
98	64.7	50.8	76.2





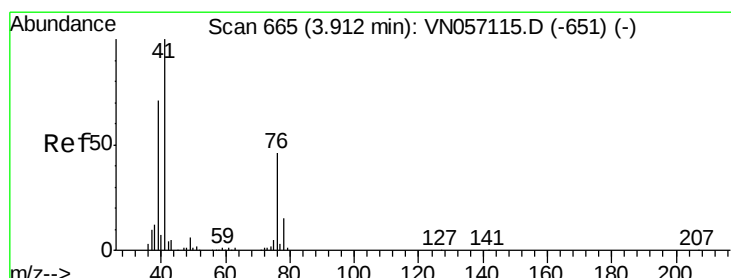
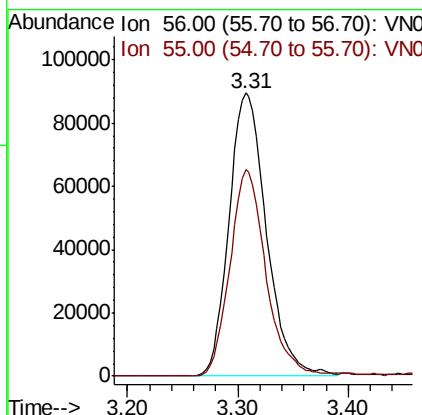
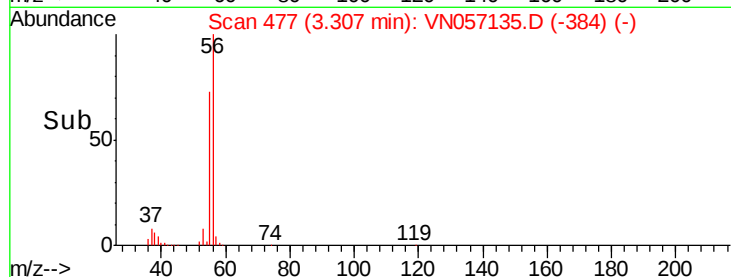
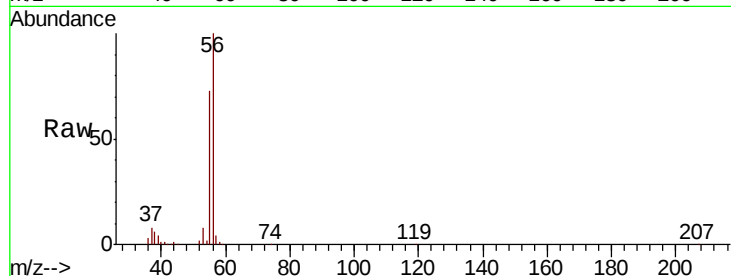
#13
Acrolein
Concen: 204.143 ug/l
RT: 3.31 min Scan# 477
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	210711
Ion Ratio	Lower	Upper	
56	100		
55	70.2	57.7	86.5

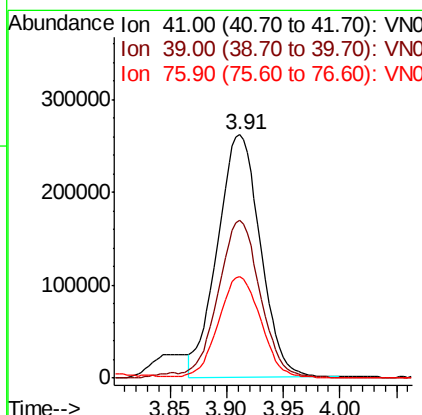
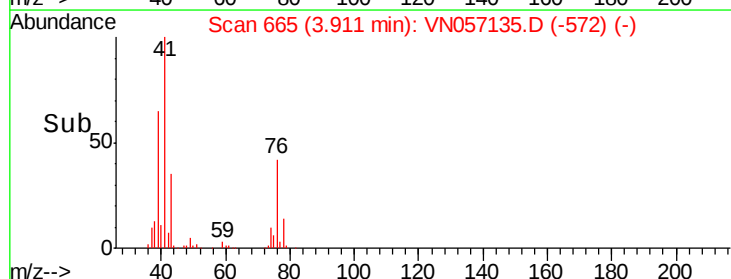
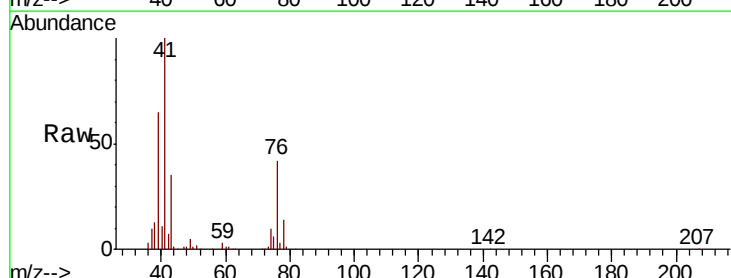
Manual Integrations
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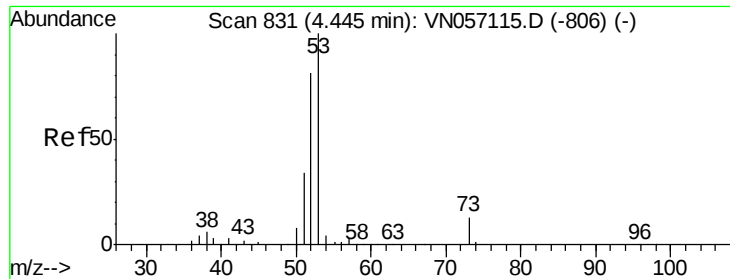
MMDadoda
8/12/2019 3:32:02 PM



#14
Allyl chloride
Concen: 50.045 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	41	Resp	689923
Ion Ratio	Lower	Upper	
41	100		
39	63.5	51.1	76.7
76	41.2	32.8	49.2





#15

Acrylonitrile

Concen: 252.080 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1113132

Ion Ratio Lower Upper

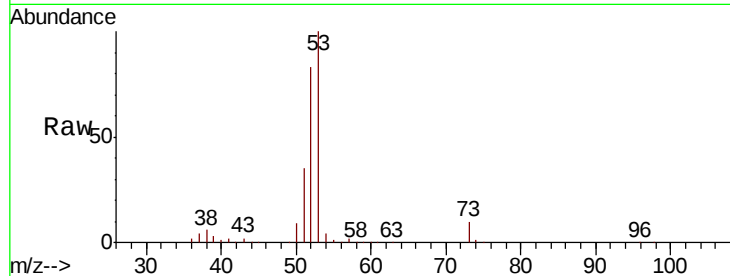
53 100

52 83.2 64.9 97.3

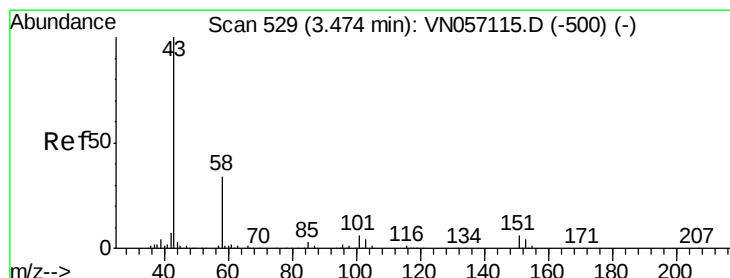
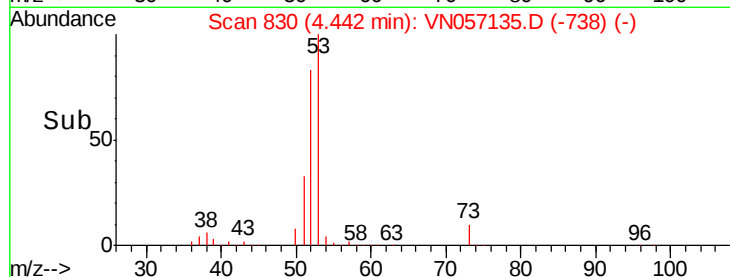
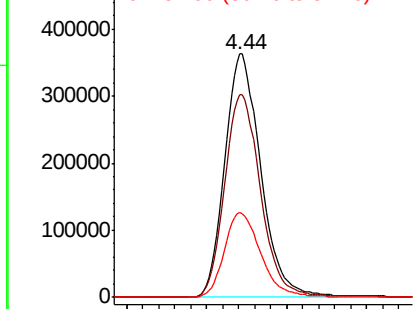
51 35.3 27.8 41.6

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 275.529 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057135.D

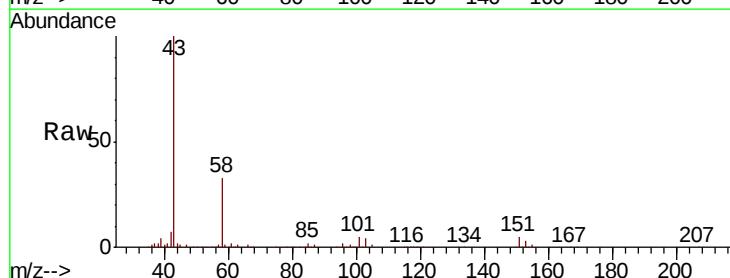
Acq: 9 Aug 2019 10:23

Tgt Ion: 43 Resp: 954043

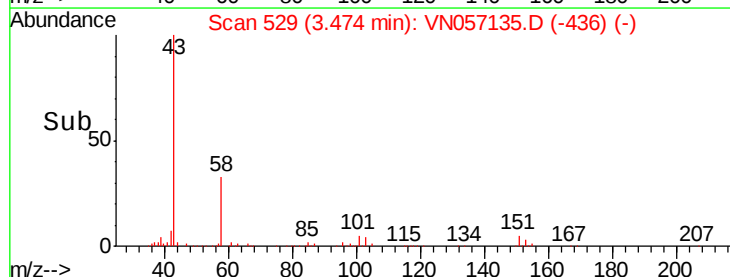
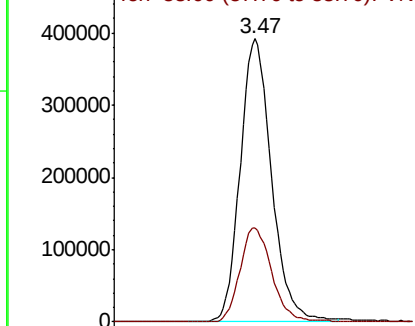
Ion Ratio Lower Upper

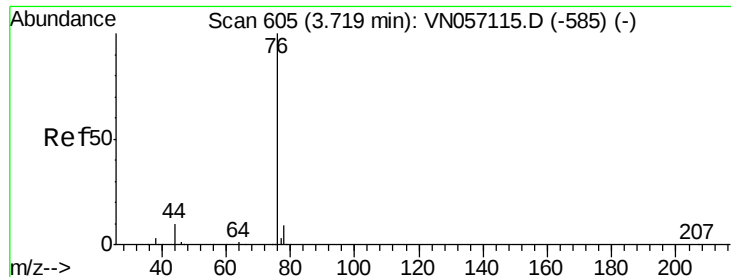
43 100

58 33.3 27.4 41.2



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





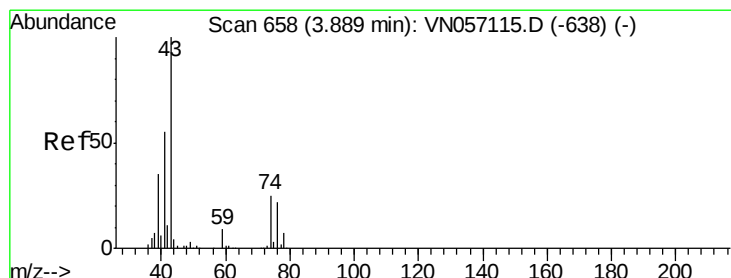
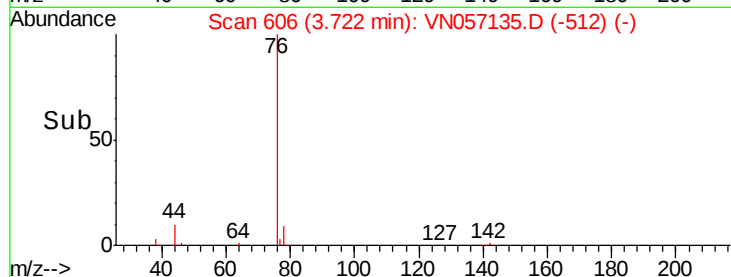
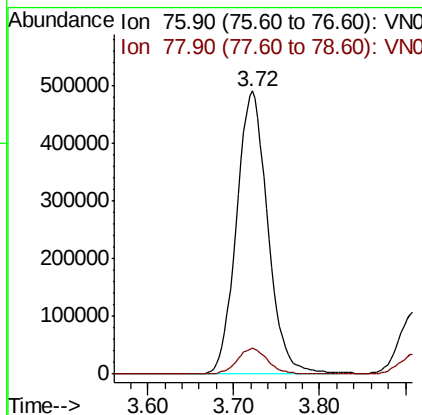
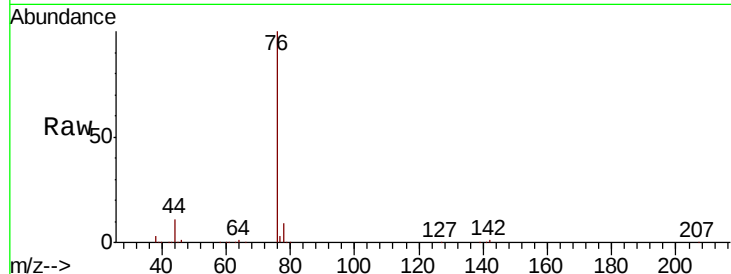
#17
Carbon Disulfide
Concen: 49.111 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1239397
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

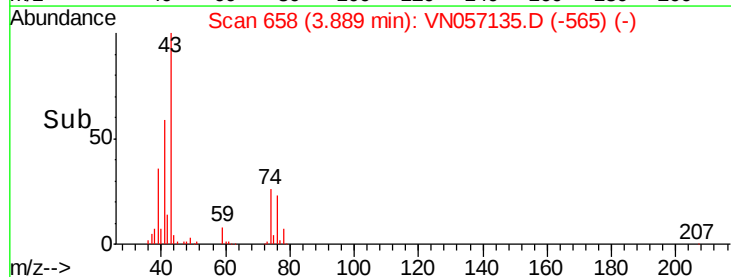
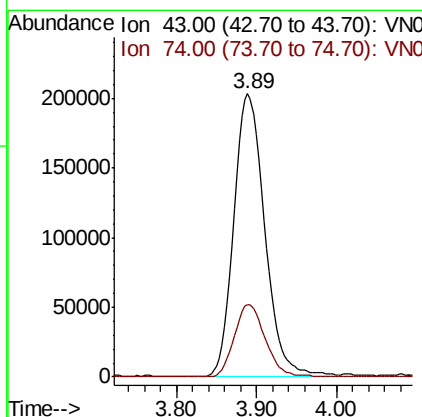
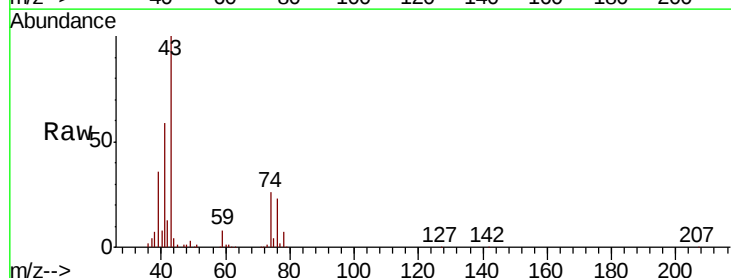
Manual Integrations
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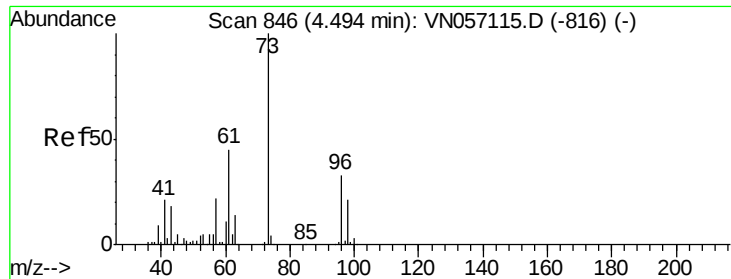
MMDadoda
8/12/2019 3:32:02 PM



#18
Methyl Acetate
Concen: 51.402 ug/l
RT: 3.89 min Scan# 658
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 43 Resp: 530105
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.4





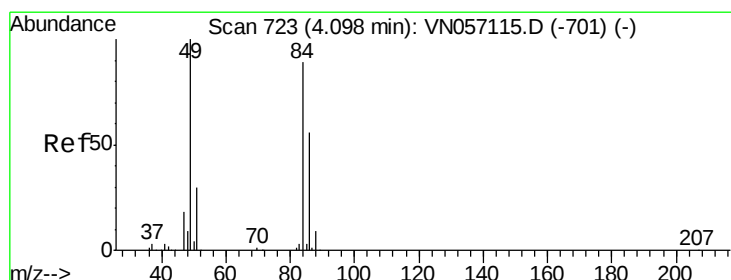
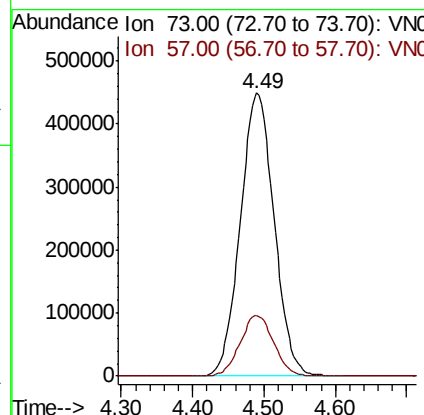
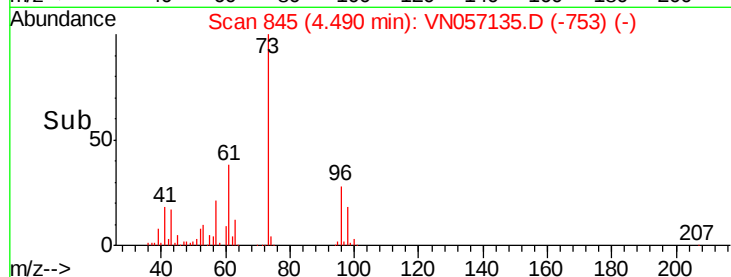
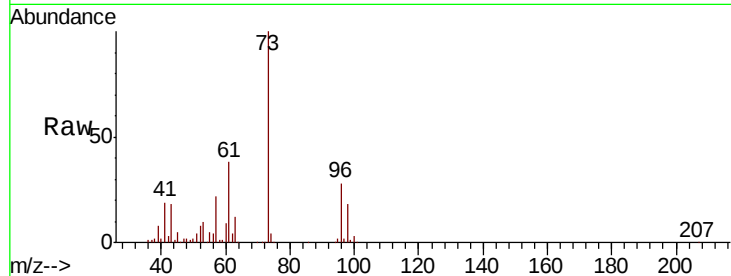
#19
Methvl tert-butvl Ether
Concen: 51.688 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1480290
Ion Ratio Lower Upper
73 100
57 21.6 18.0 27.0

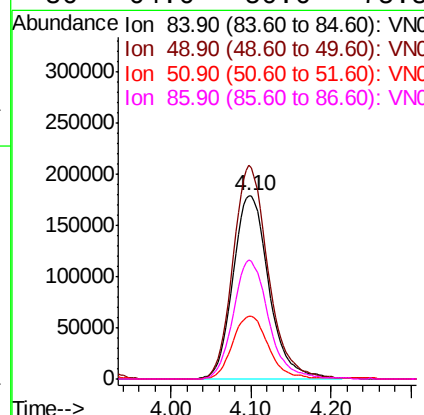
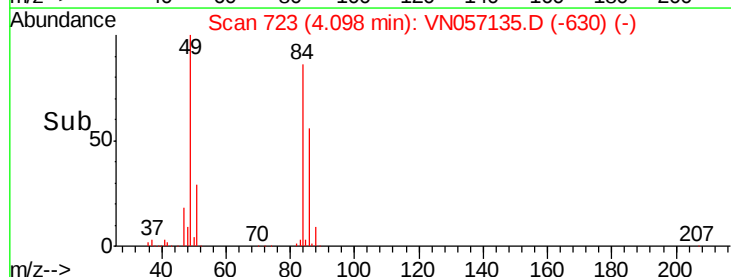
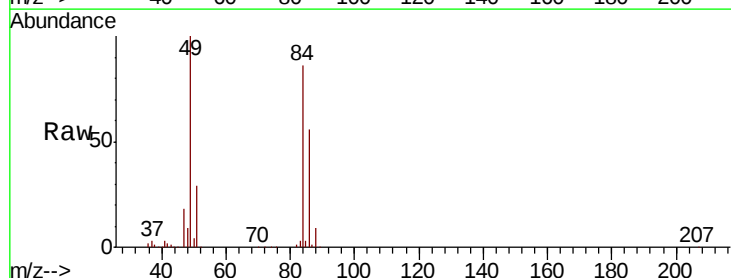
Manual Integrations
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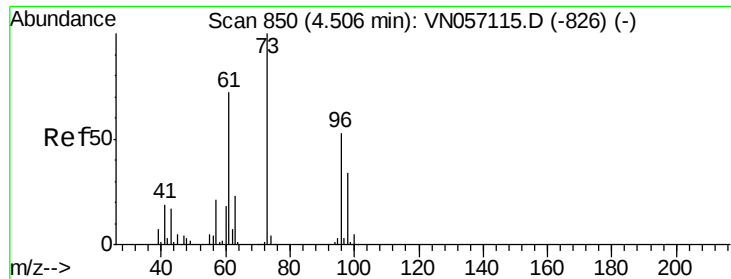
MMDadoda
8/12/2019 3:32:02 PM



#20
Methylene Chloride
Concen: 47.814 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 84 Resp: 546396
Ion Ratio Lower Upper
84 100
49 116.2 89.5 134.3
51 34.2 27.2 40.8
86 64.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.829 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

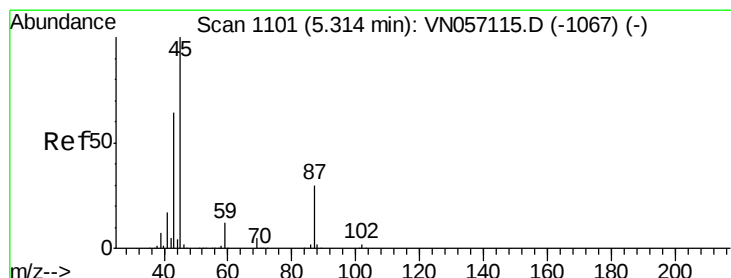
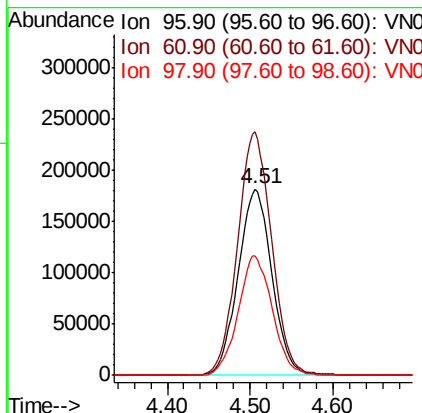
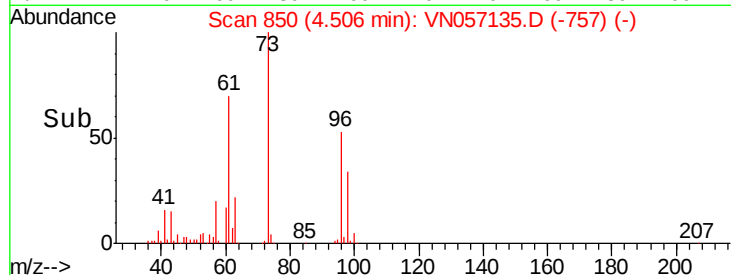
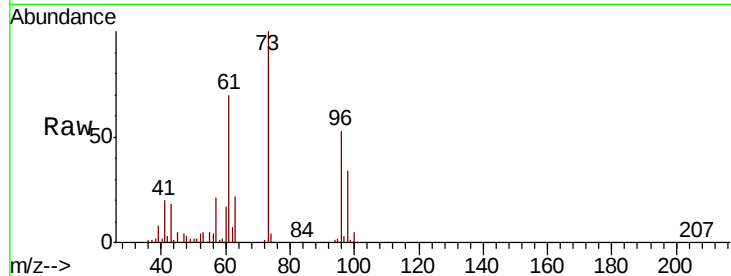
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	514928
Ion	Ratio	Lower	Upper
96	100		
61	130.9	108.1	162.1
98	64.3	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.720 ug/l

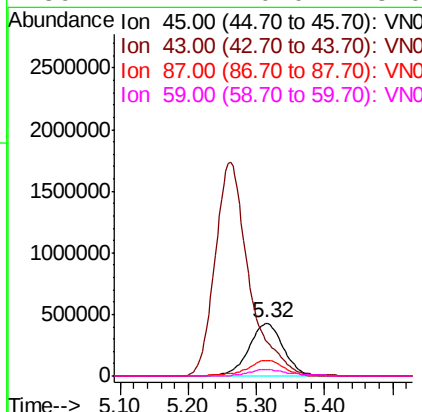
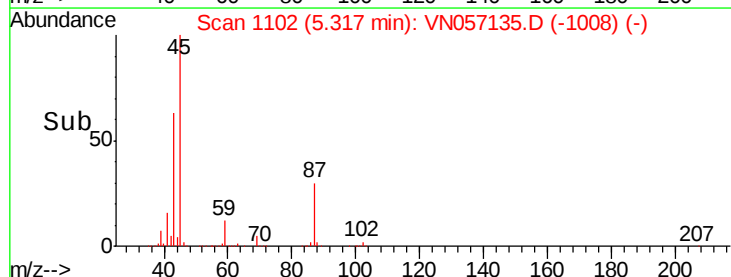
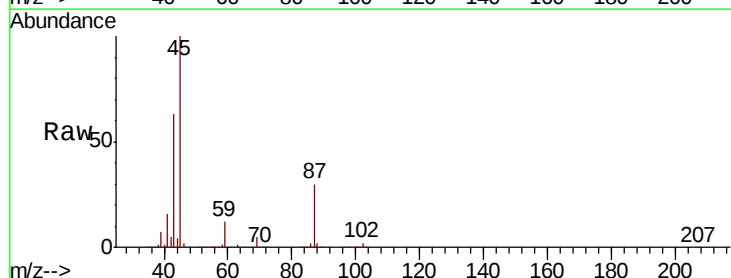
RT: 5.32 min Scan# 1102

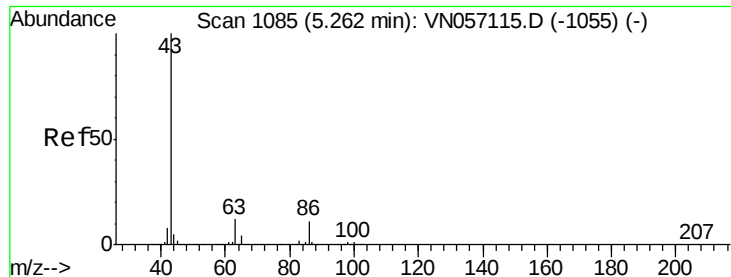
Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion:	45	Resp:	1495115
Ion	Ratio	Lower	Upper
45	100		
43	62.2	54.1	81.1
87	30.0	24.0	36.0
59	12.4	10.0	15.0





#23

Vinyl Acetate

Concen: 261.136 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tot Ion: 43 Resp: 6013162

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8

Instrument :

MSVOA_N

ClientSampleId :

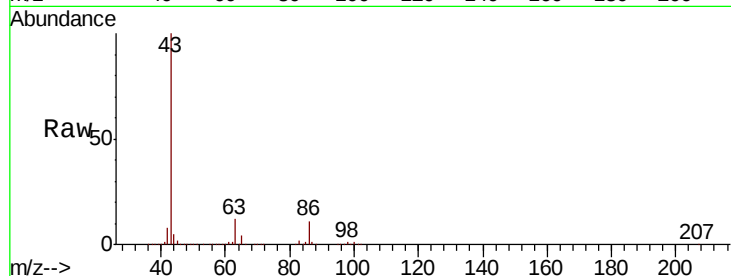
VSTDCCC050

Manual Integrations

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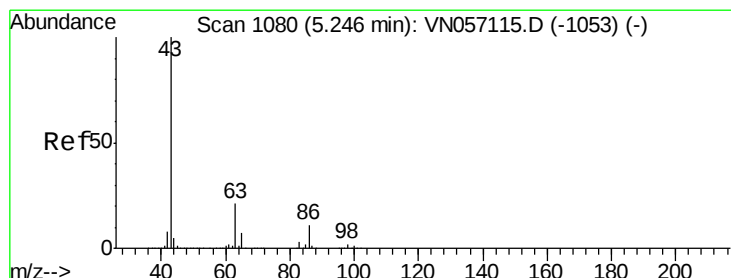
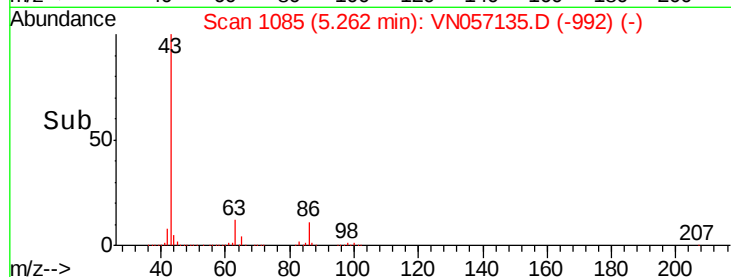
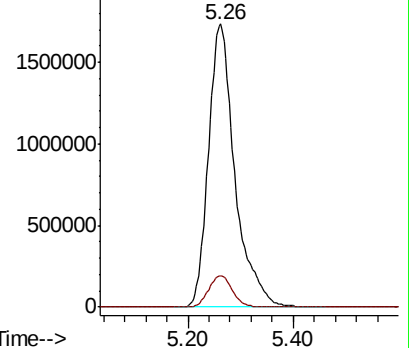
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.150 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

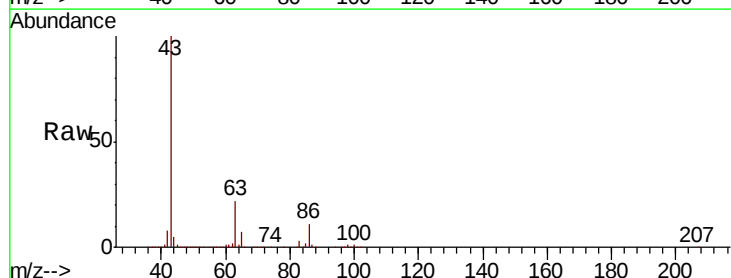
Tgt Ion: 63 Resp: 908563

Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.2

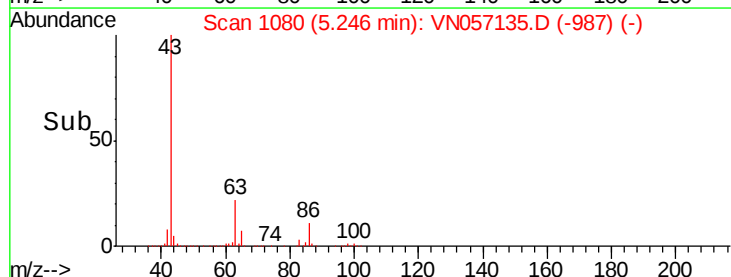
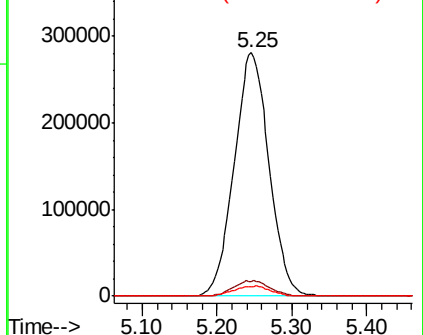
100 4.0 2.1 6.3

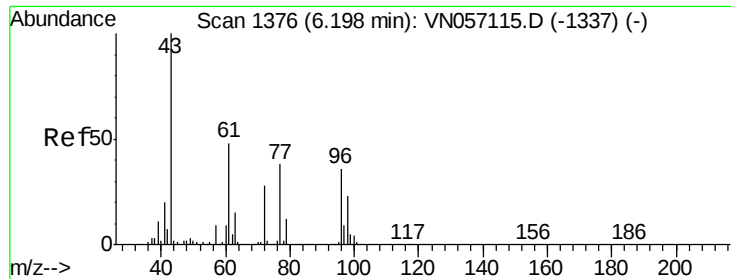


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





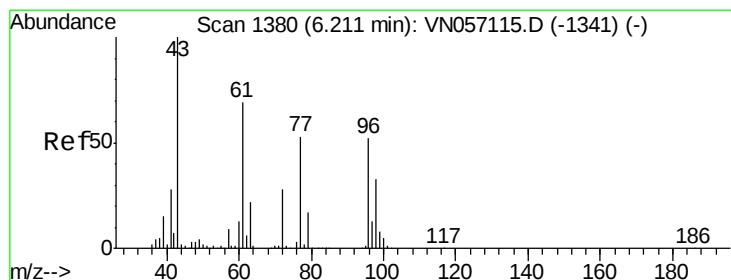
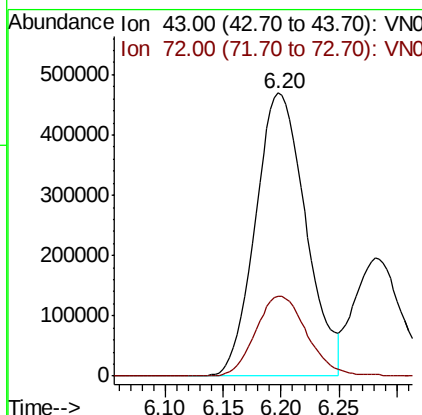
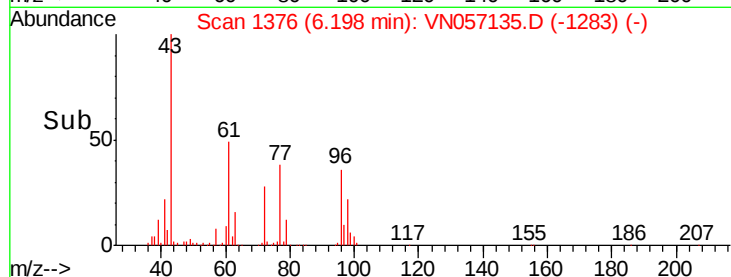
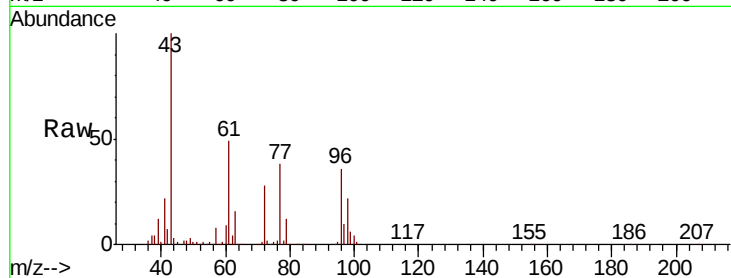
#25
2-Butanone
Concen: 267.570 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1415525
Ion Ratio Lower Upper
43 100
72 28.4 22.2 33.4

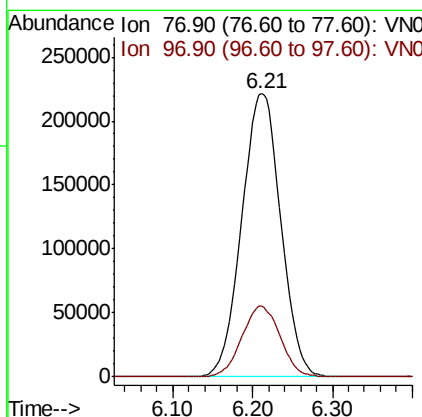
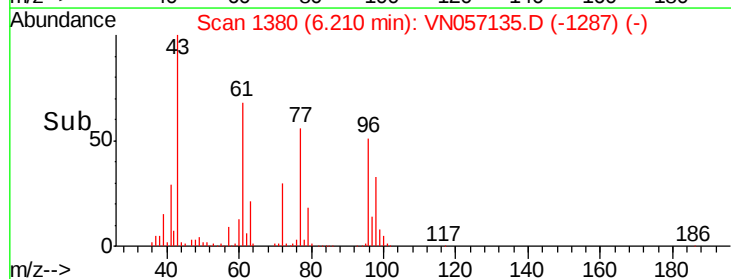
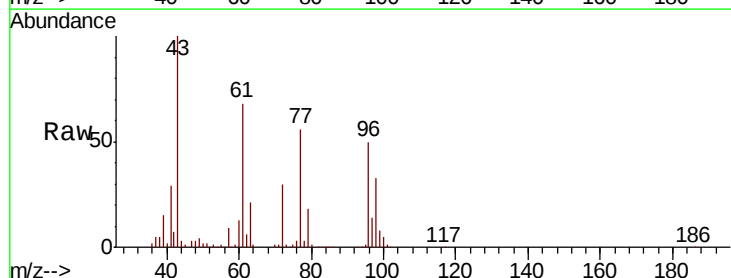
Manual Integrations
APPROVED

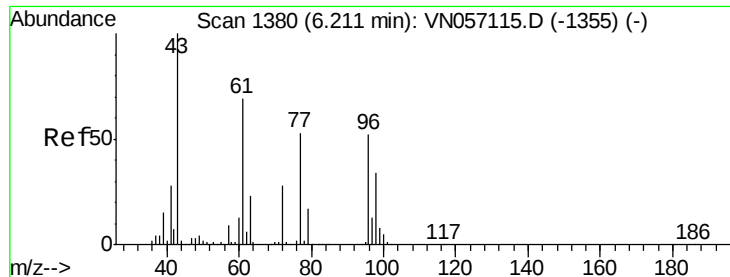
MMDadoda
8/12/2019 3:32:02 PM



#26
2,2-Dichloropropane
Concen: 54.579 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 77 Resp: 734017
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 51.174 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

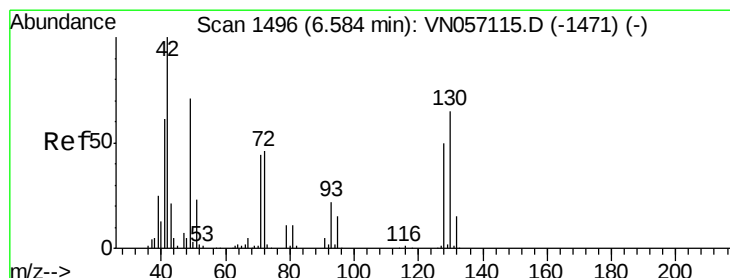
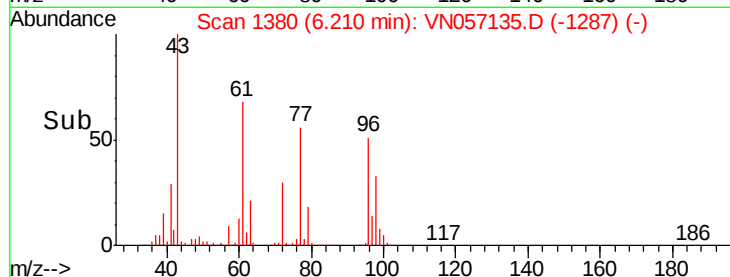
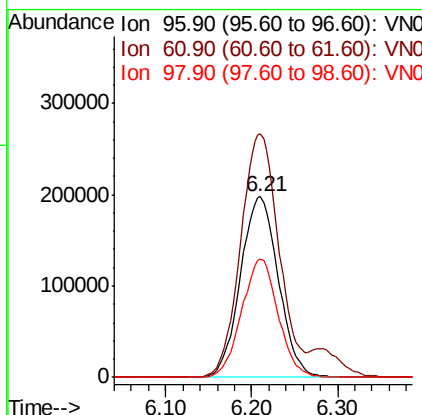
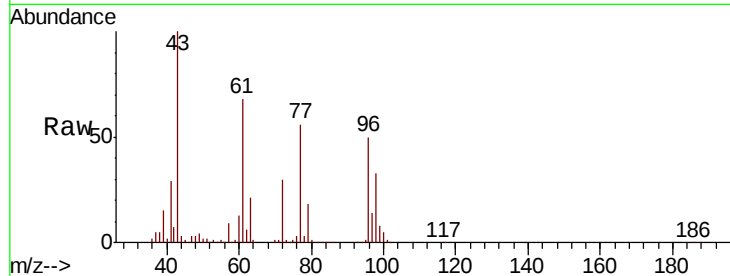
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	605824
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	273.4
98	63.5	0.0	130.4

Manual Integrations
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8/12/2019 3:32:02 PM



#28

Bromochloromethane

Concen: 47.866 ug/l

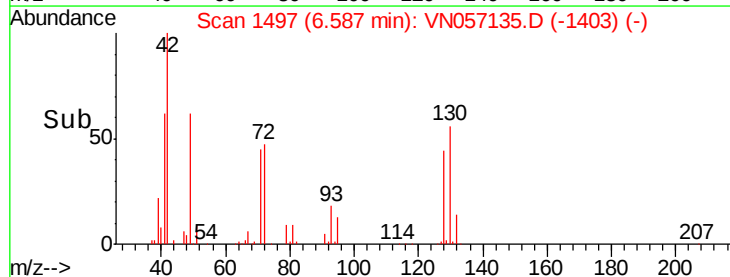
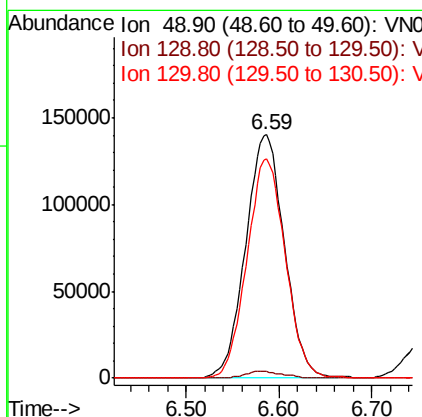
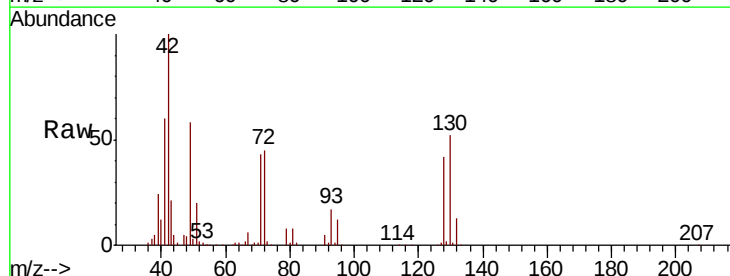
RT: 6.59 min Scan# 1497

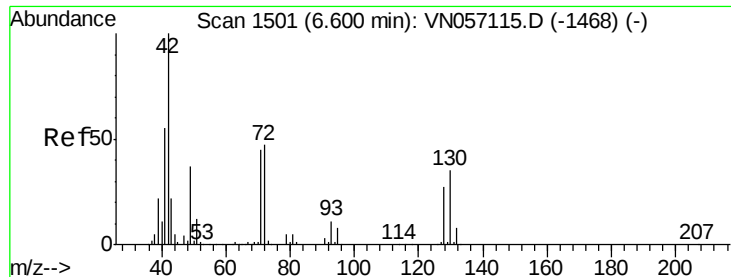
Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion:	49	Resp:	406988
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	89.6	73.8	110.8





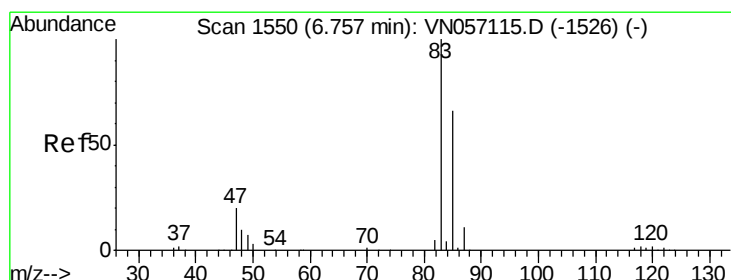
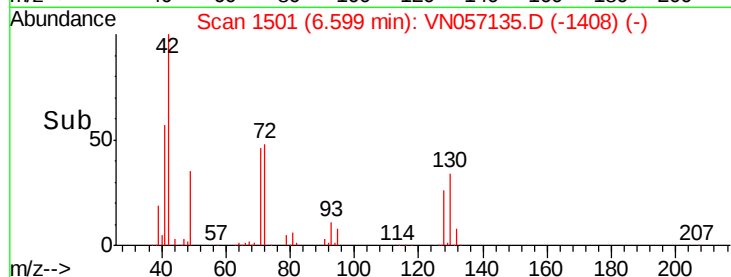
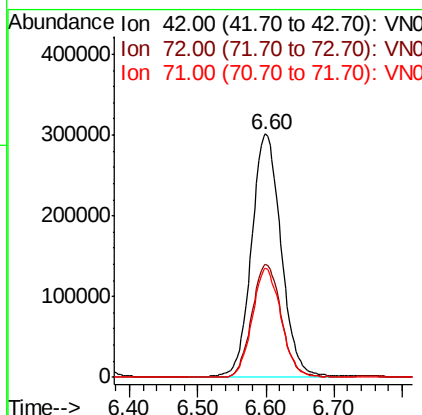
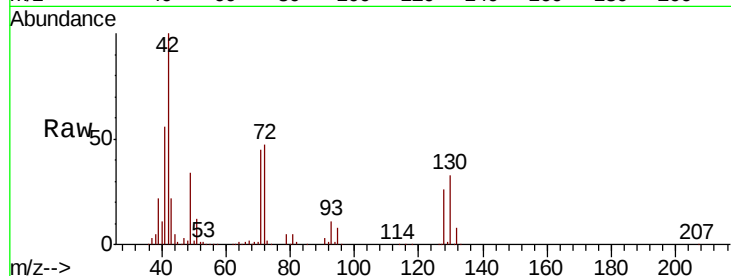
#29
Tetrahydrofuran
Concen: 254.779 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.1	55.7
71	43.5	34.8	52.2

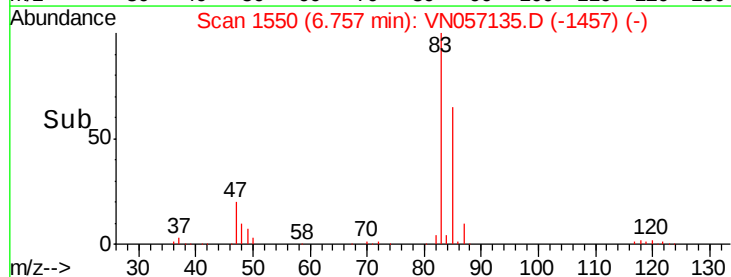
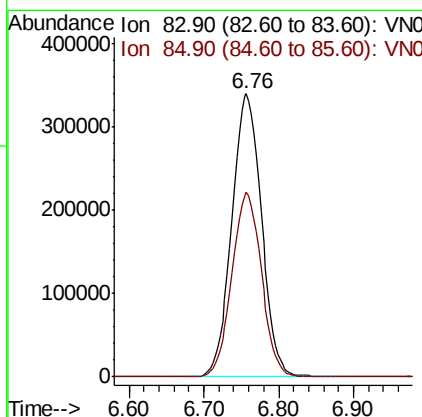
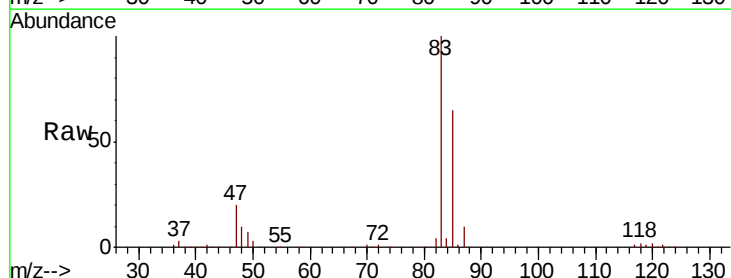
Manual Integrations
APPROVED

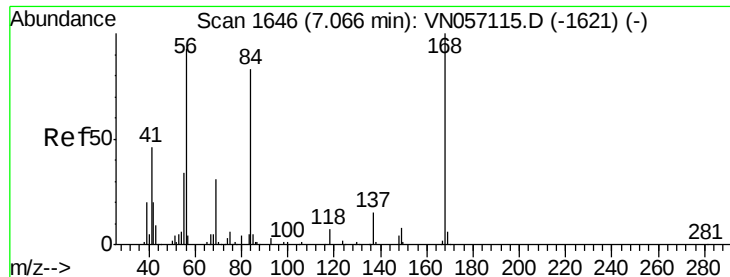
MMDadoda
8/12/2019 3:32:02 PM



#30
Chloroform
Concen: 48.989 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





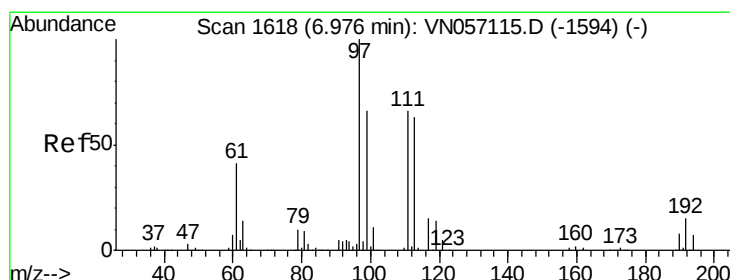
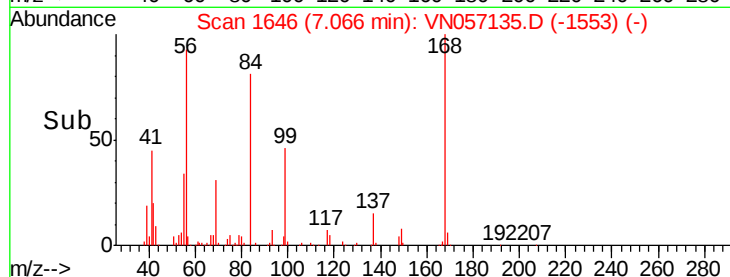
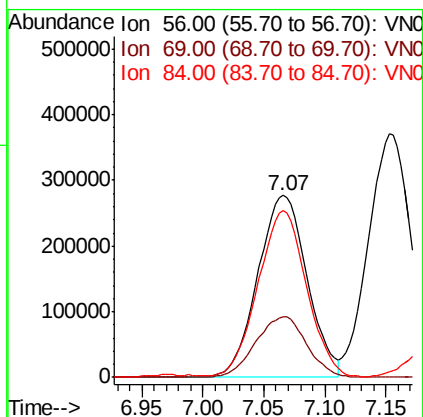
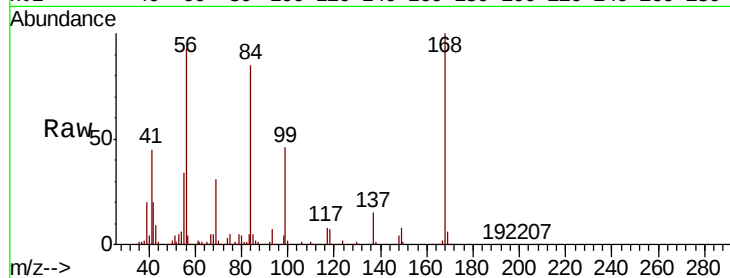
#31
Cyclohexane
Concen: 46.832 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.9	40.3
84	90.2	71.9	107.9

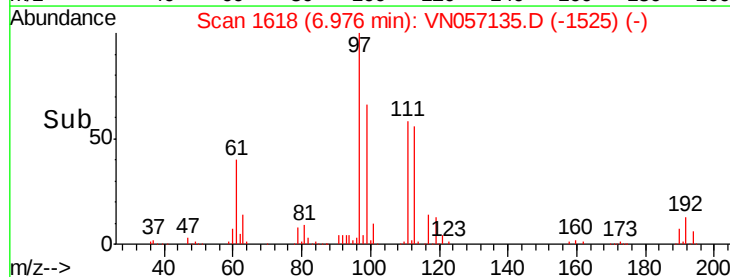
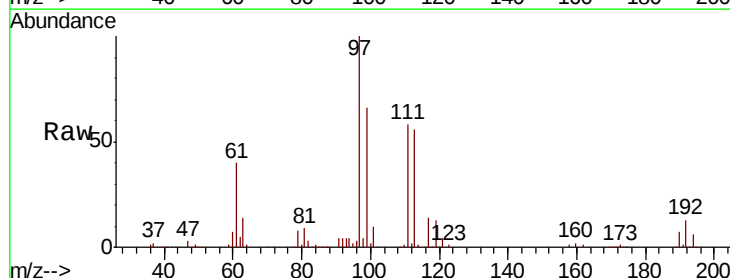
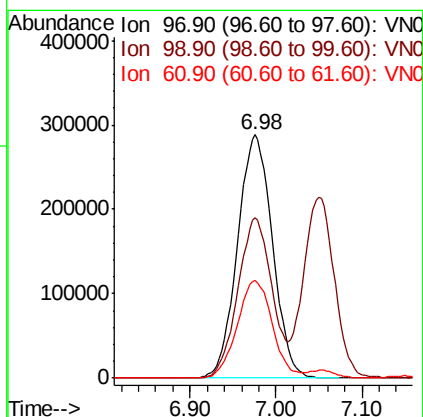
Manual Integrations
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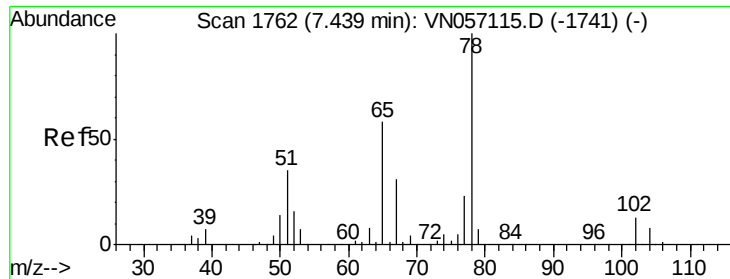
MMDadoda
8/12/2019 3:32:02 PM



#32
1,1,1-Trichloroethane
Concen: 50.715 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	40.4	32.7	49.1





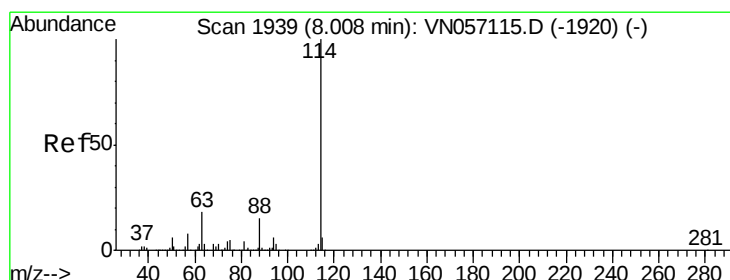
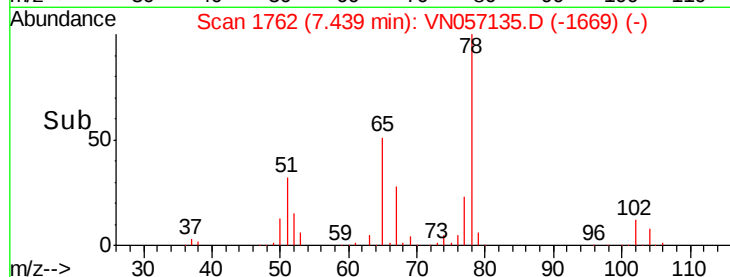
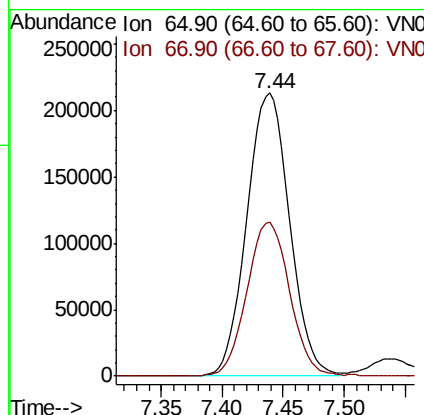
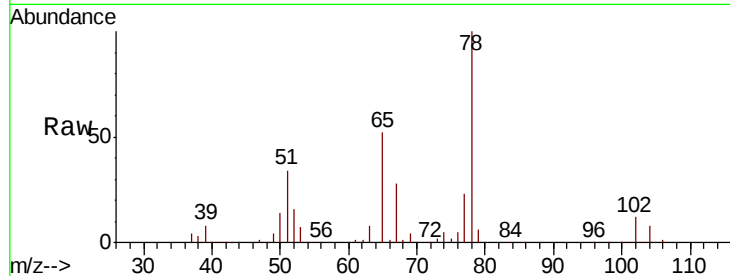
#33
 1,2-Dichloroethane-d4
 Concen: 45.202 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.2	

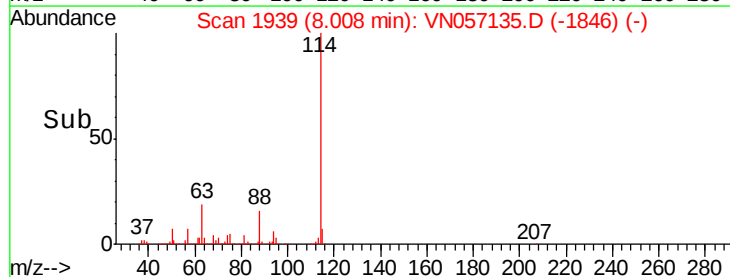
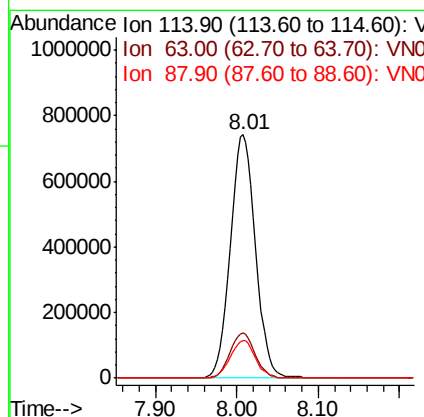
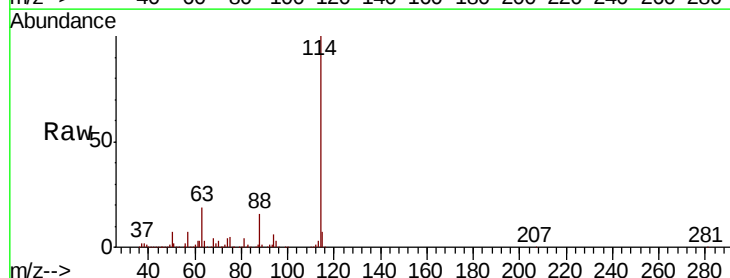
Manual Integrations
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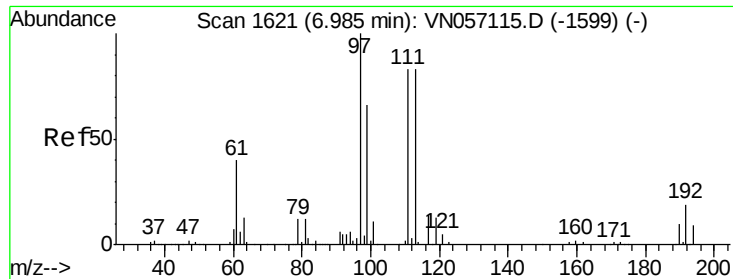
MMDadoda
 8/12/2019 3:32:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	36.2	
88	15.6	0.0	30.0	





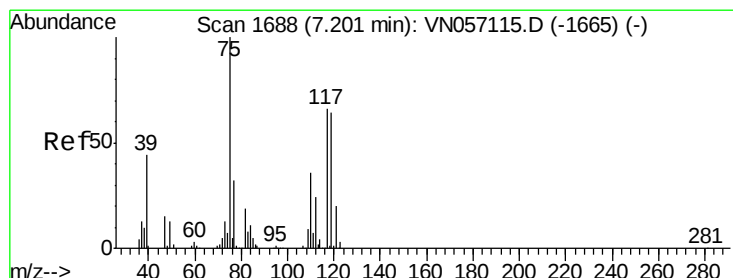
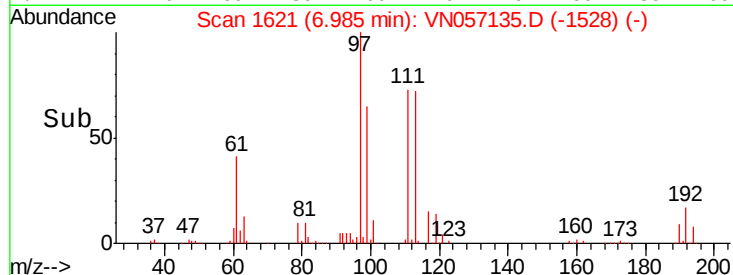
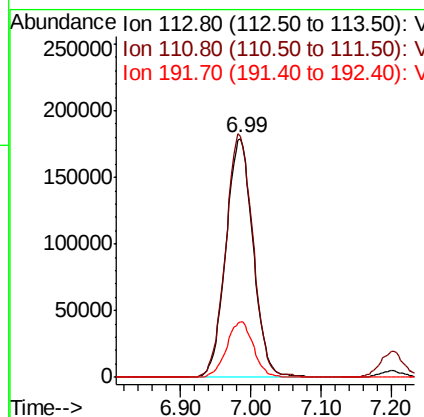
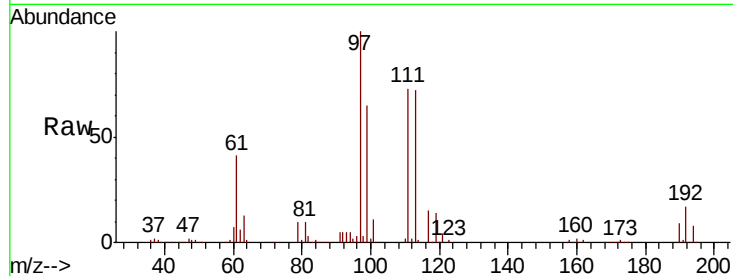
#35
 Dibromofluoromethane
 Concen: 47.912 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	483146		
111	102.0	81.3	121.9	
192	23.0	19.0	28.4	

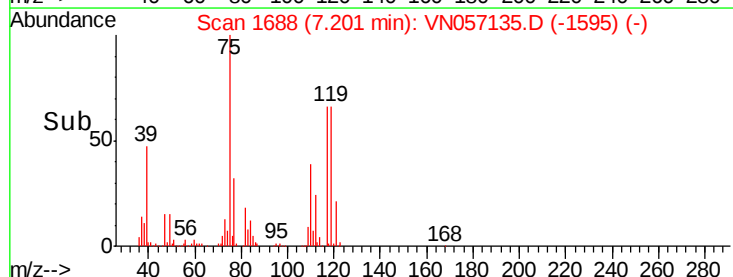
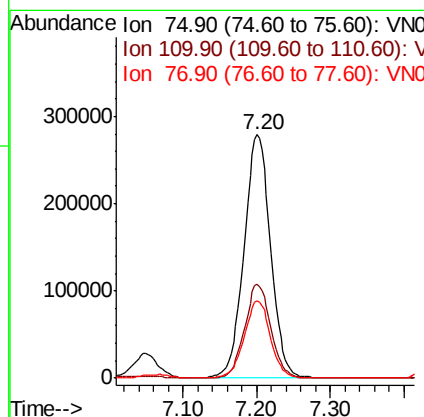
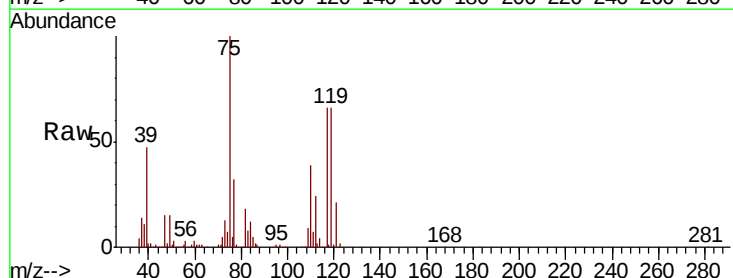
Manual Integrations
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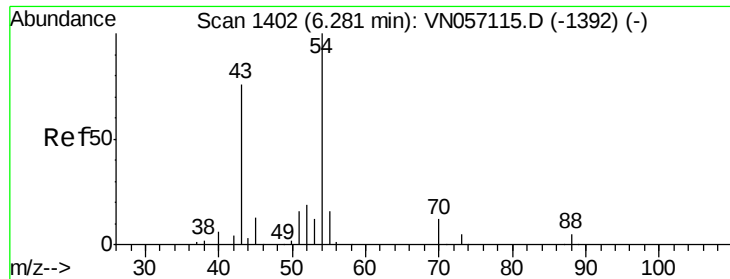
MMDadoda
 8/12/2019 3:32:02 PM



#36
 1,1-Dichloropropene
 Concen: 52.895 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	699861		
110	38.1	18.7	56.1	
77	31.5	25.0	37.4	





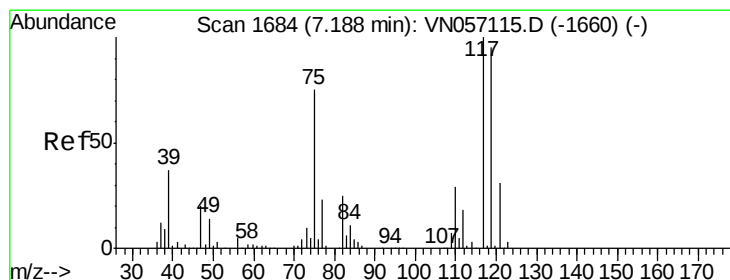
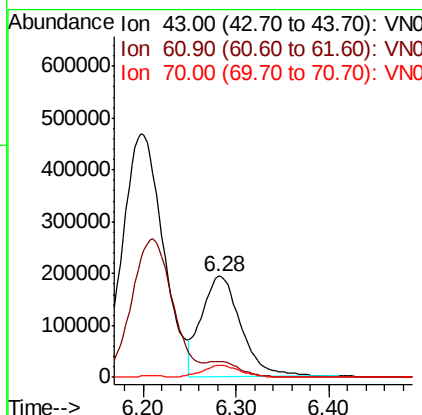
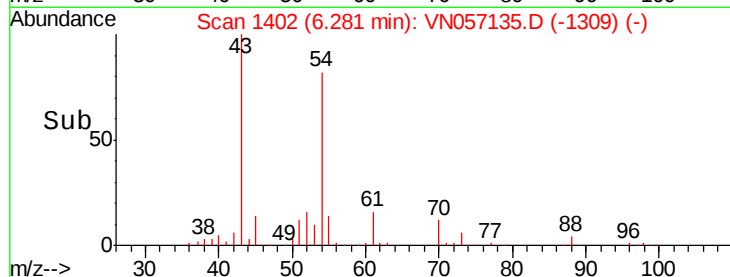
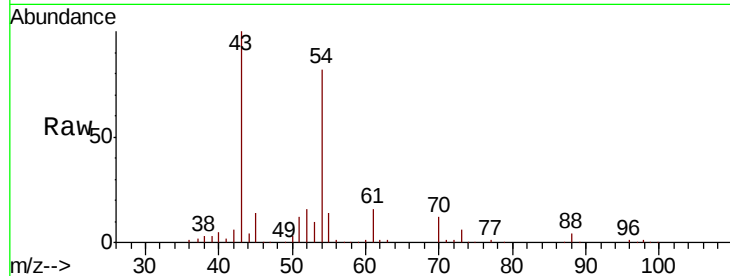
#37
Ethyl Acetate
Concen: 52.649 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.5	9.1	13.7

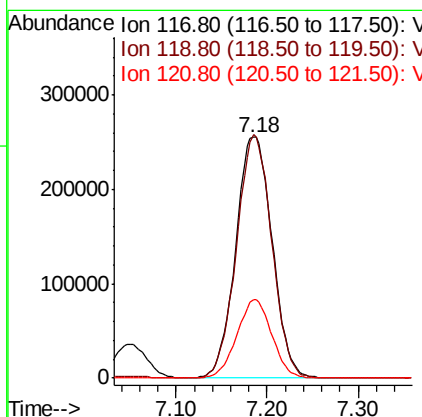
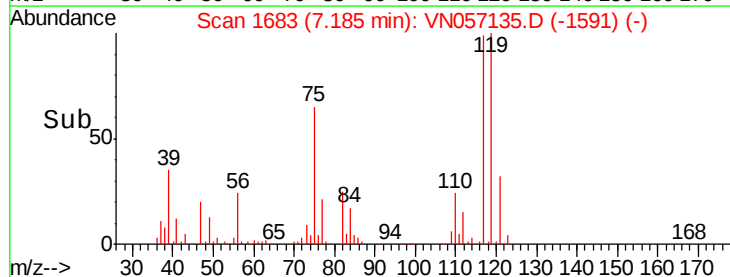
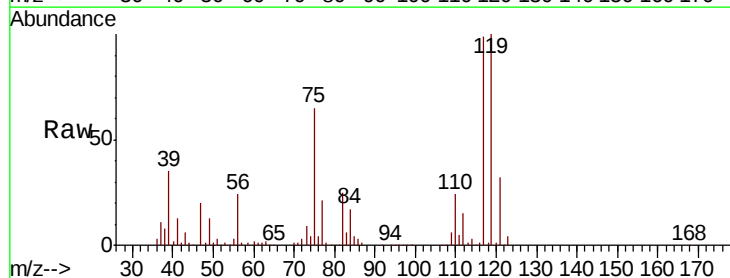
Manual Integrations
APPROVED

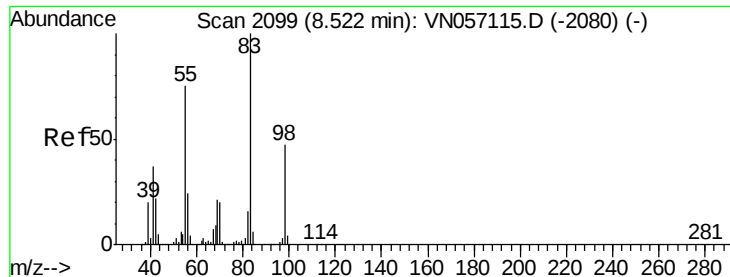
MMDadoda
8/12/2019 3:32:02 PM



#38
Carbon Tetrachloride
Concen: 51.565 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.2	75.8	113.6
121	32.6	24.4	36.6





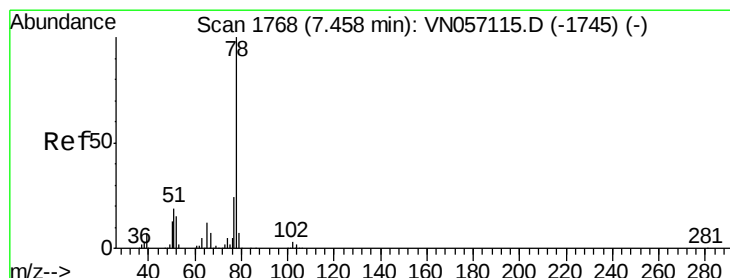
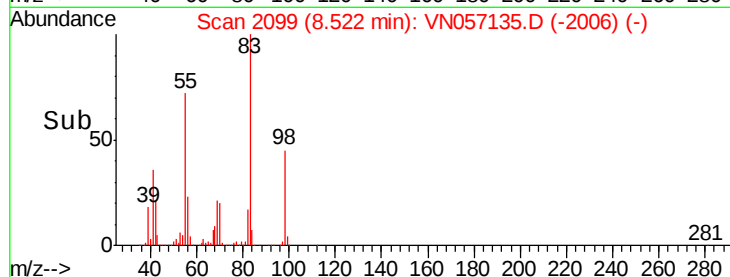
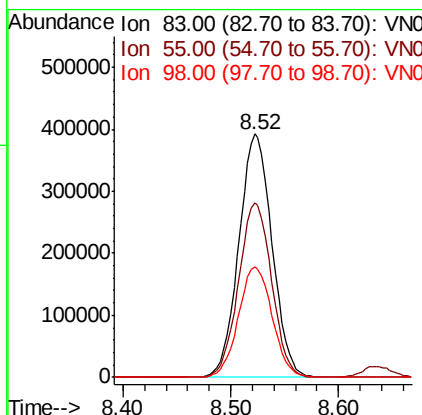
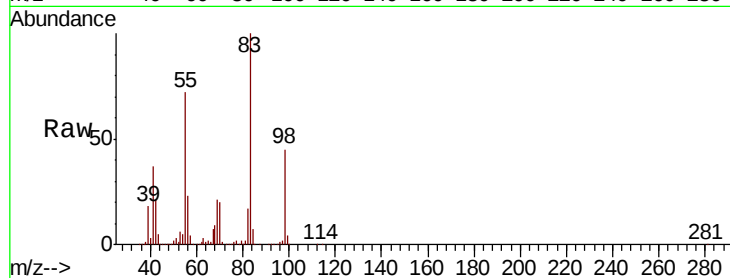
#39
Methylvlcyclohexane
Concen: 52.232 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	60.3	90.5
98	45.4	37.9	56.9

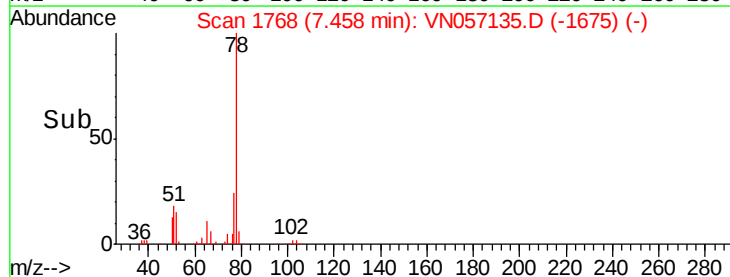
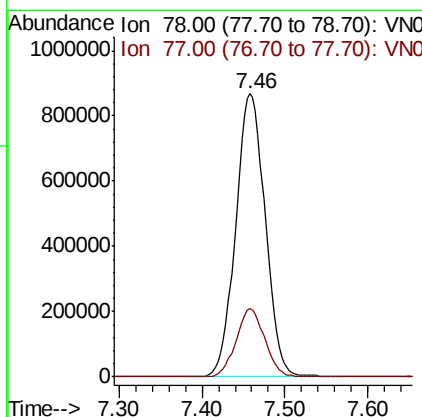
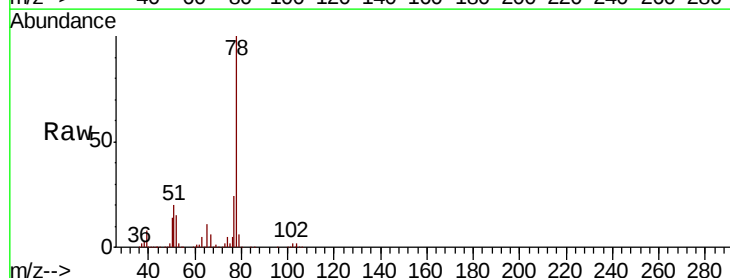
Manual Integrations
APPROVED

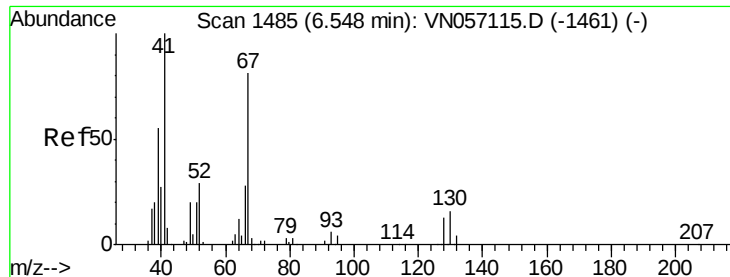
MMDadoda
8/12/2019 3:32:02 PM



#40
Benzene
Concen: 51.320 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





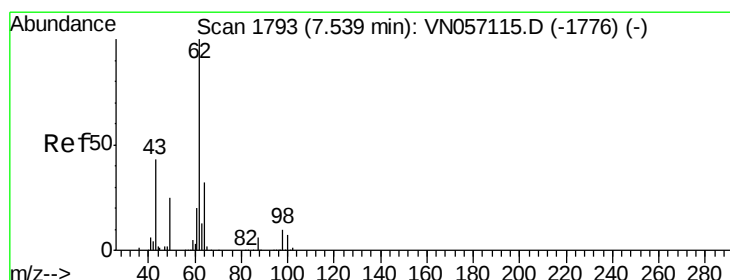
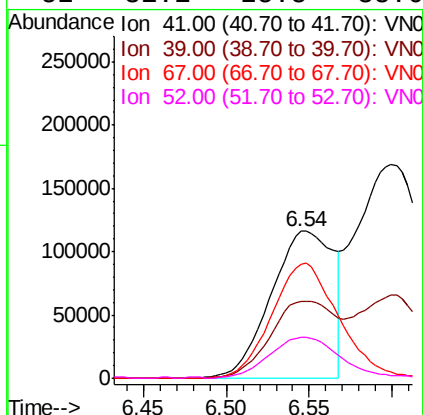
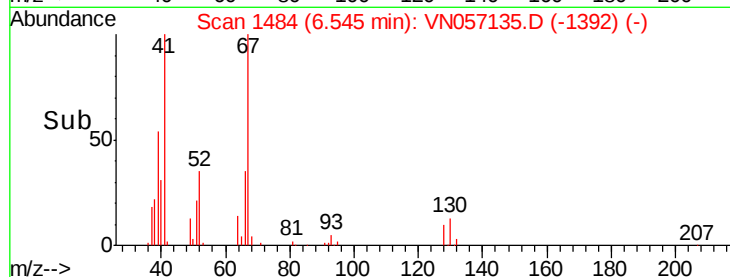
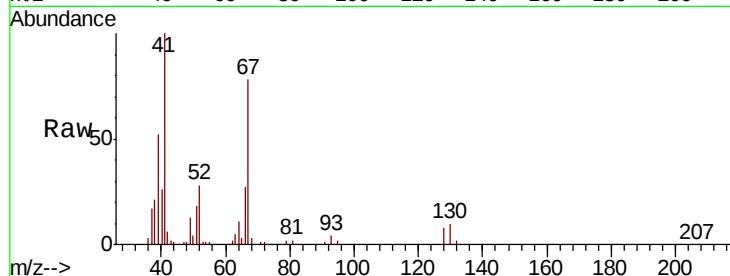
#41
Methacrylonitrile
Concen: 54.819 ug/l
RT: 6.54 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	303716
Ion Ratio	Lower	Upper	
41	100		
39	55.6	44.9	67.3
67	84.2	69.1	103.7
52	31.1	25.8	38.6

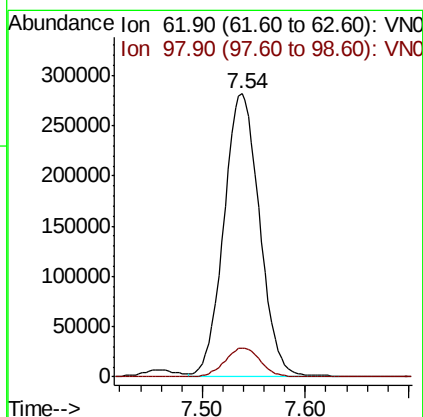
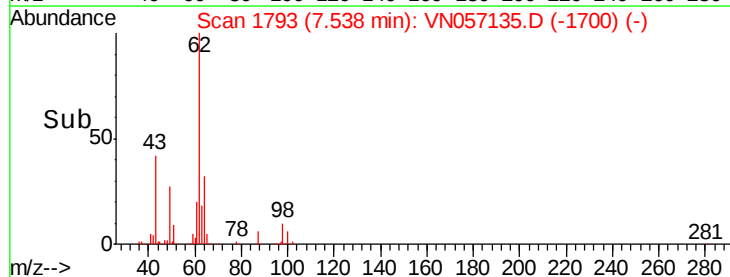
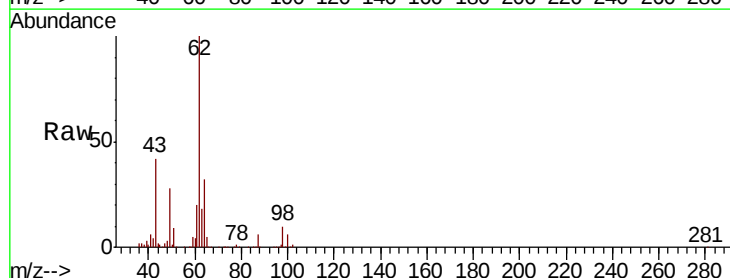
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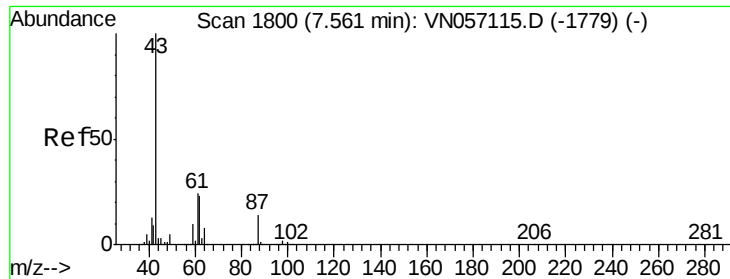
MMDadoda
8/12/2019 3:32:02 PM



#42
1,2-Dichloroethane
Concen: 50.637 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	62	Resp	676441
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	19.4





#43

Isopropyl Acetate

Concen: 52.482 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

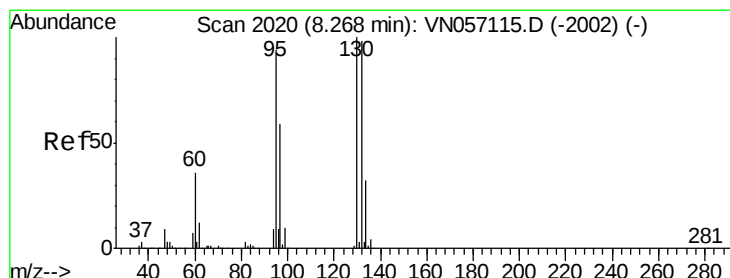
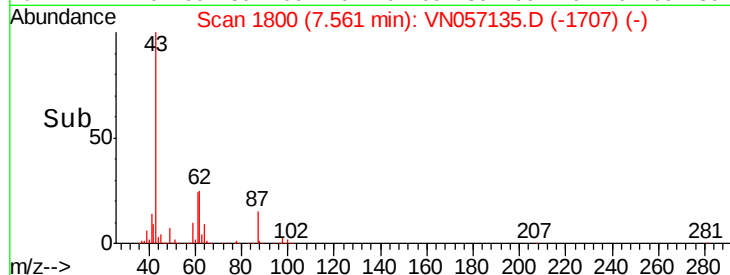
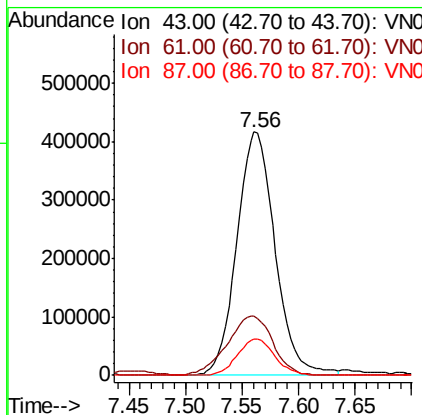
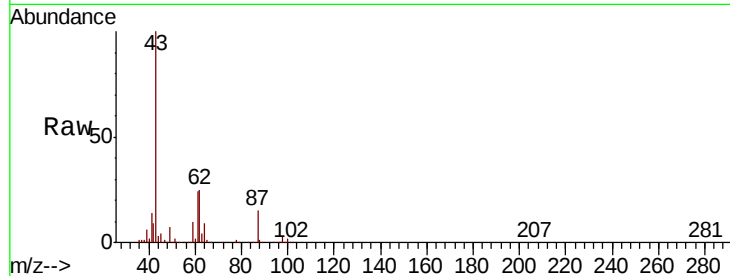
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	976860
Ion	Ratio	Lower	Upper
43	100		
61	28.7	24.2	36.2
87	14.6	11.8	17.8

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8/12/2019 3:32:02 PM



#44

Trichloroethene

Concen: 51.573 ug/l

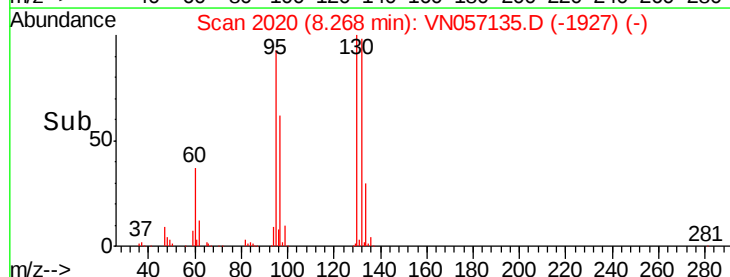
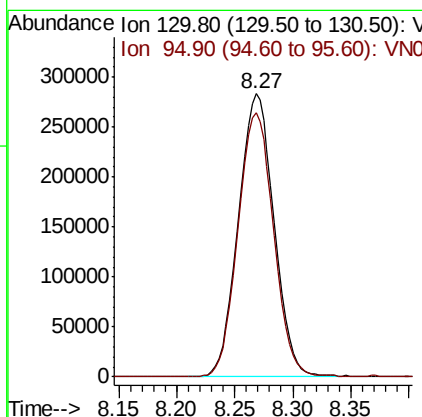
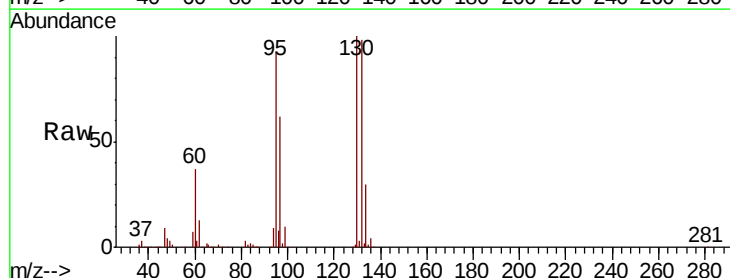
RT: 8.27 min Scan# 2020

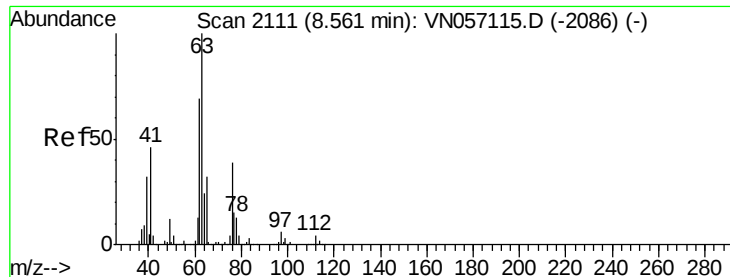
Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion:	130	Resp:	605198
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	187.4





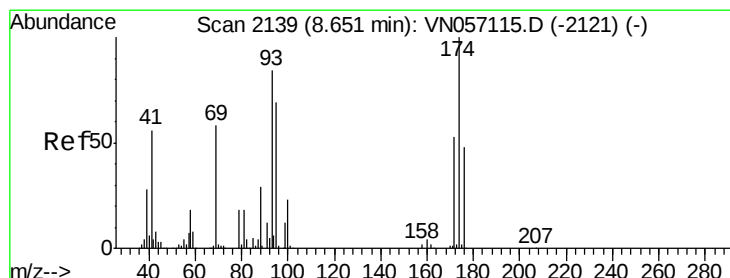
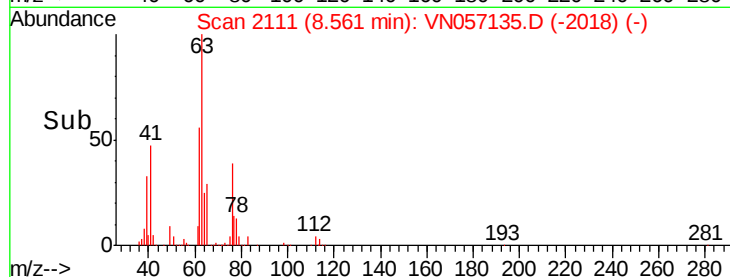
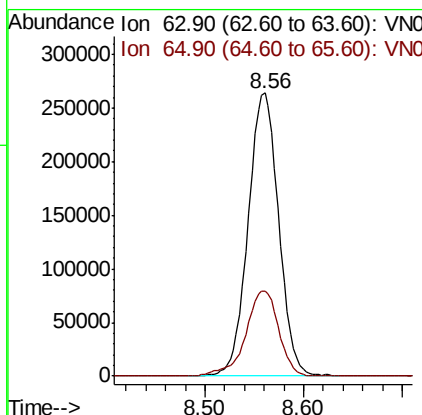
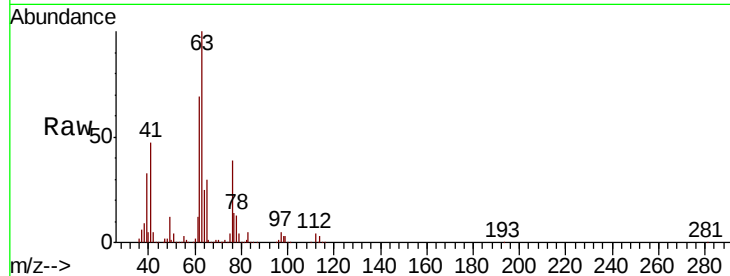
#45
 1,2-Dichloropropane
 Concen: 52.044 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	25.2	37.8

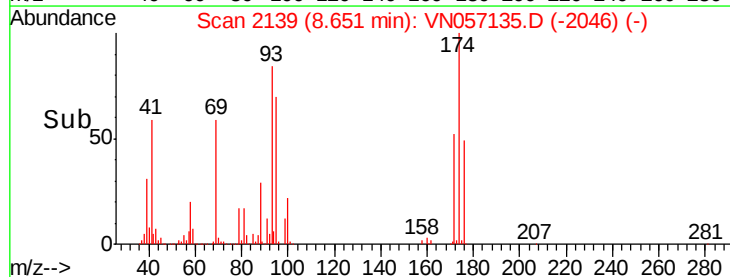
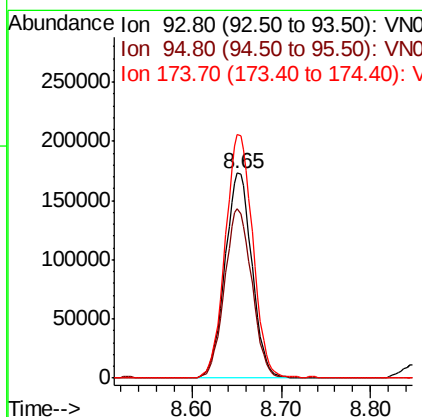
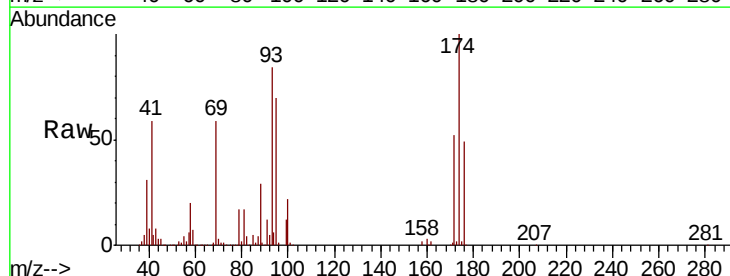
Manual Integrations
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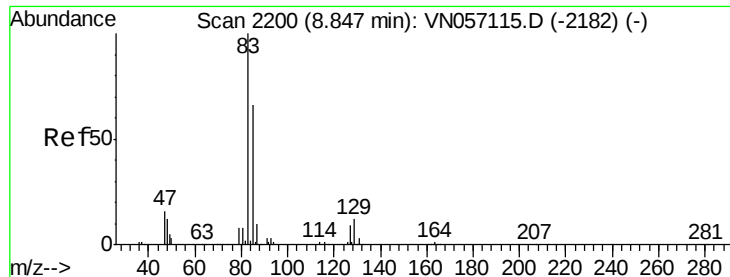
MMDadoda
 8/12/2019 3:32:02 PM



#46
 Dibromomethane
 Concen: 52.160 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.0	99.0
174	120.9	96.0	144.0





#47

Bromodichloromethane

Concen: 54.099 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

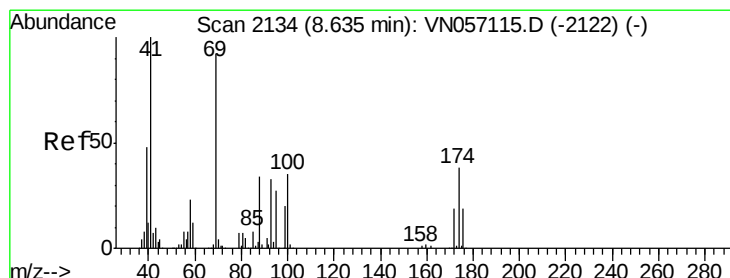
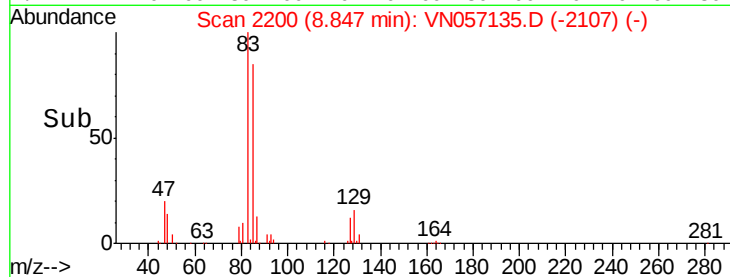
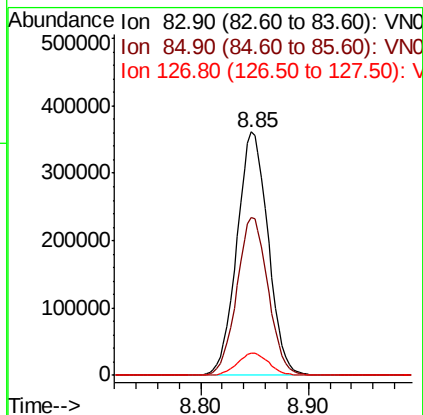
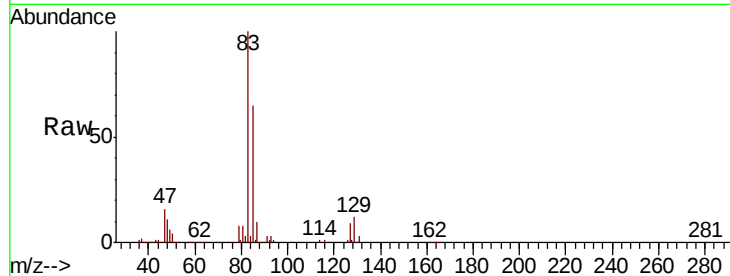
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	727921
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.6	78.8
127	9.2	7.5	11.3

Manual Integrations
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8/12/2019 3:32:02 PM



#48

Methyl methacrylate

Concen: 51.035 ug/l

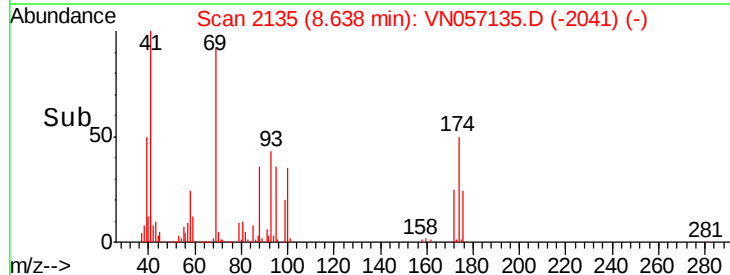
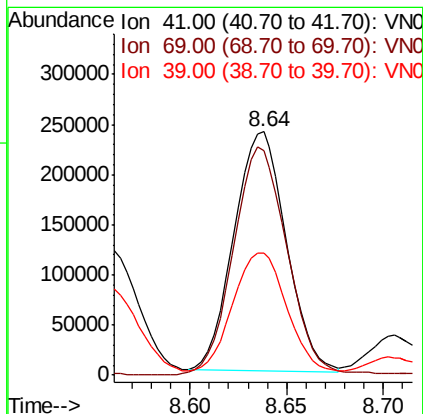
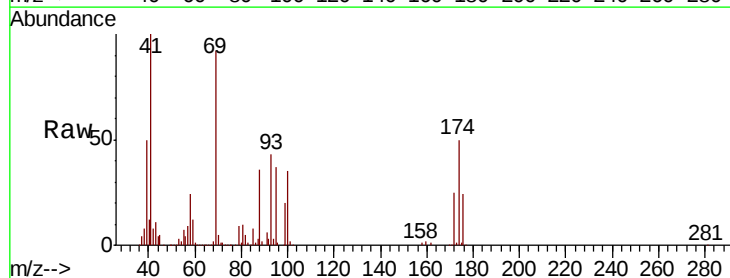
RT: 8.64 min Scan# 2135

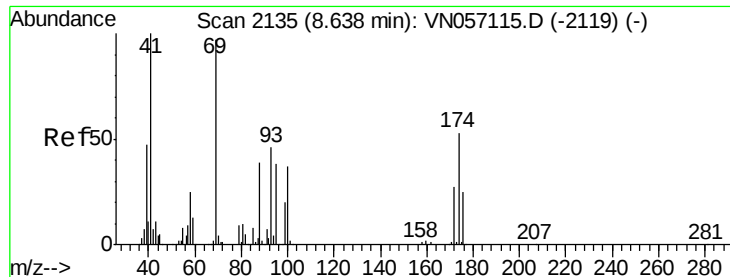
Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion:	41	Resp:	447925
Ion Ratio	Lower	Upper	
41	100		
69	98.1	77.5	116.3
39	51.0	39.8	59.6





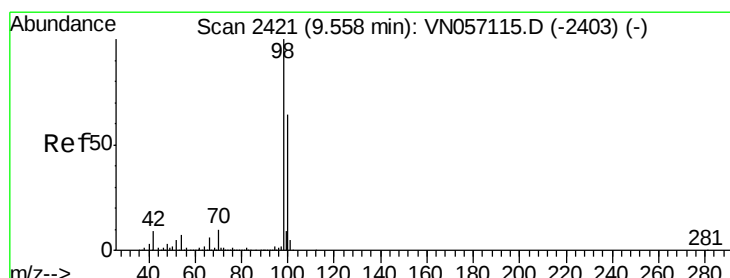
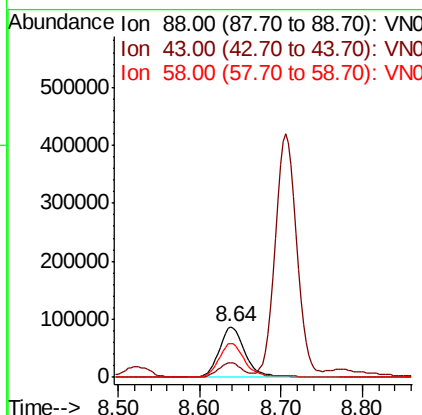
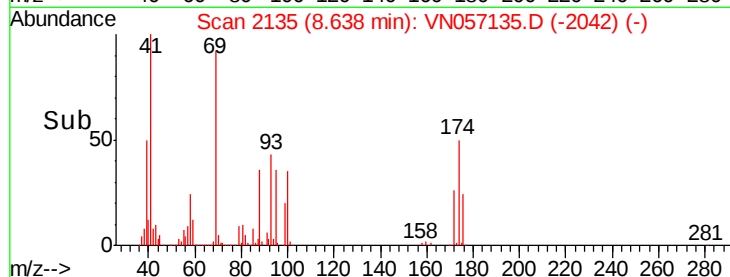
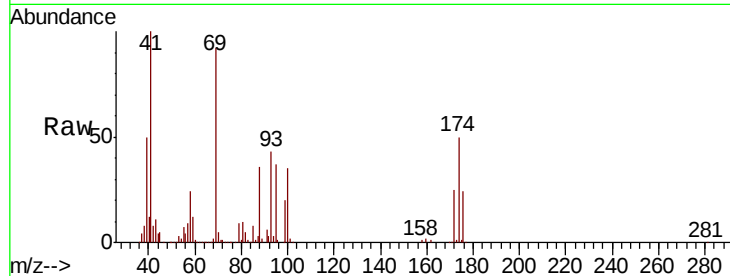
#49
1,4-Dioxane
Concen: 1092.986 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	21.7	32.5
58	66.4	51.1	76.7

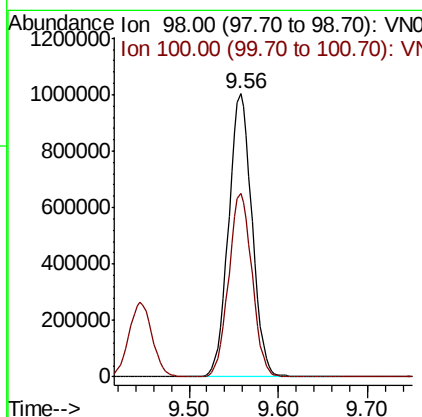
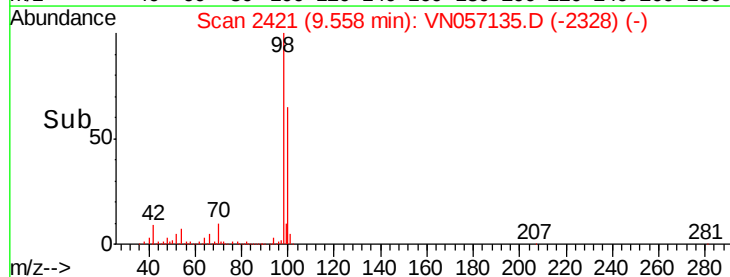
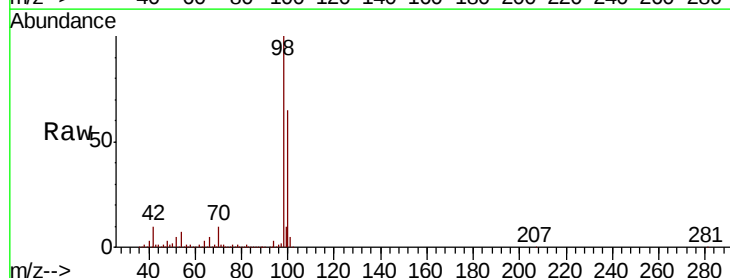
Manual Integrations
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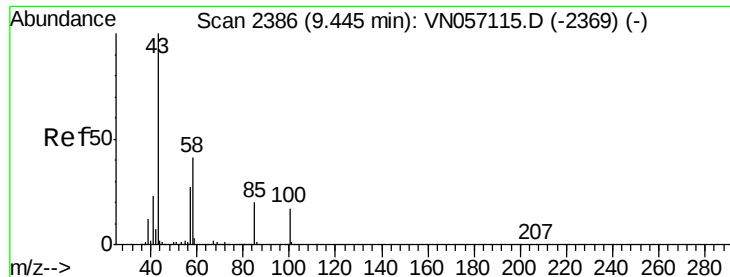
MMDadoda
8/12/2019 3:32:02 PM



#50
Toluene-d8
Concen: 47.199 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





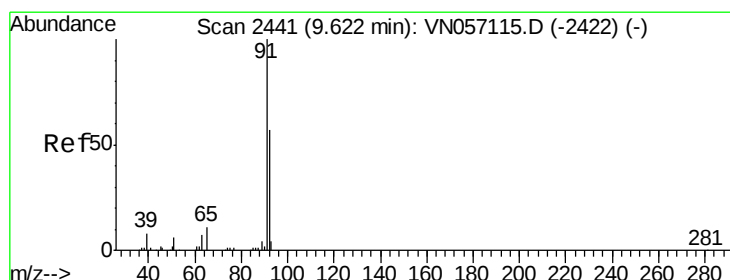
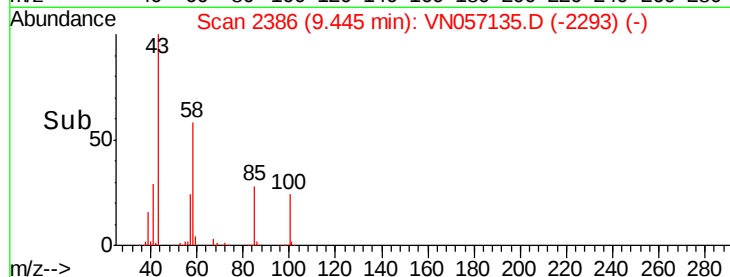
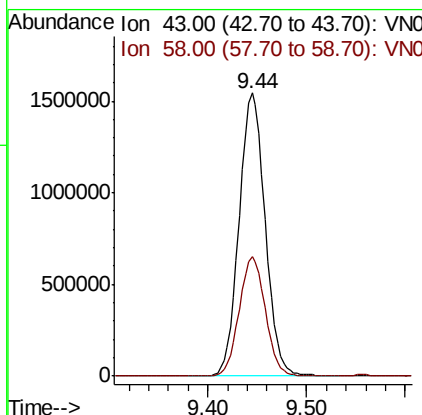
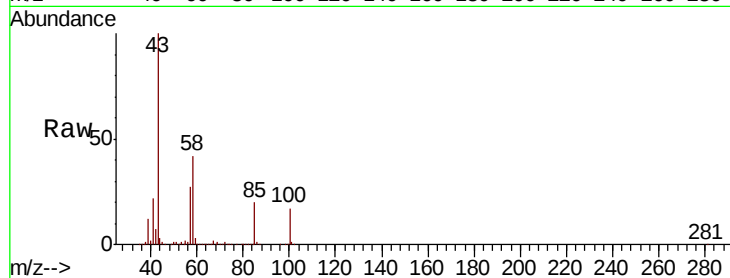
#51
4-Methyl-2-Pentanone
Concen: 260.756 ug/l
RT: 9.44 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2824695
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8

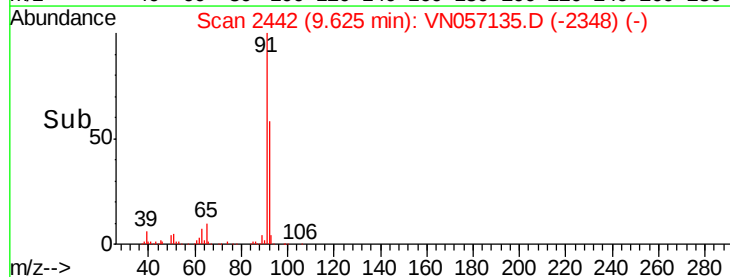
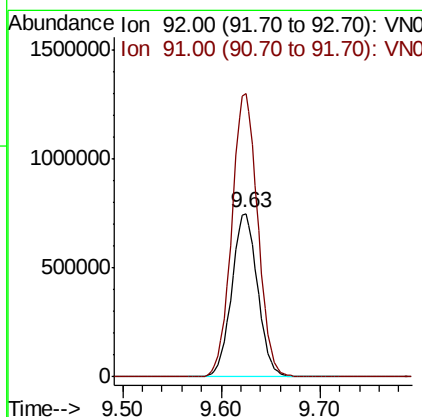
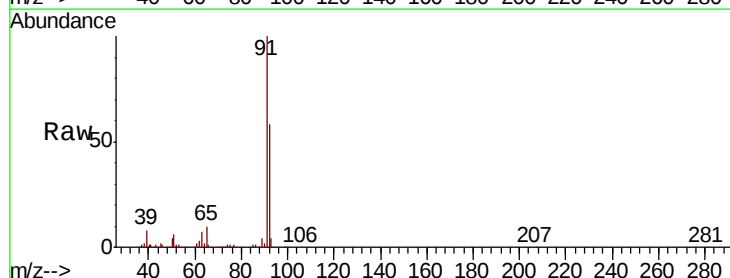
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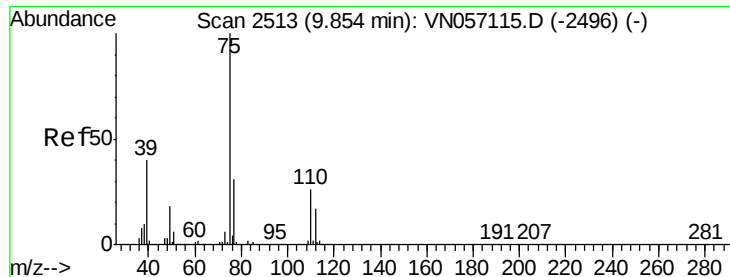
MMDadoda
8/12/2019 3:32:02 PM



#52
Toluene
Concen: 52.596 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 92 Resp: 1367489
Ion Ratio Lower Upper
92 100
91 174.2 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 55.818 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 784626

Ion Ratio Lower Upper

75 100

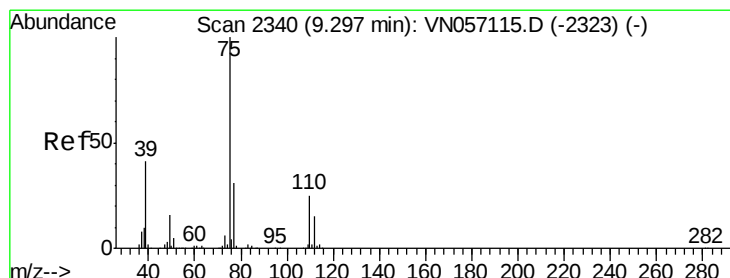
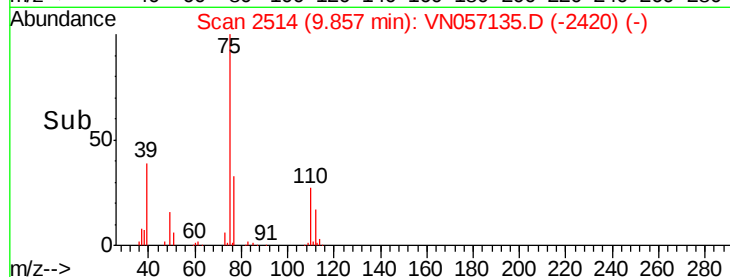
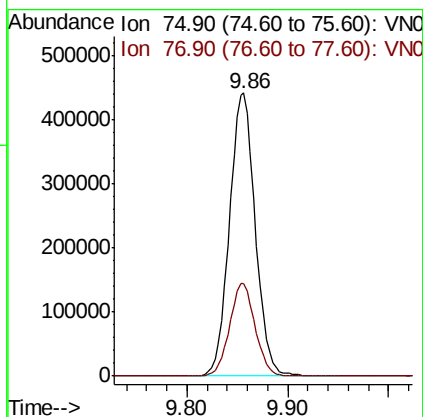
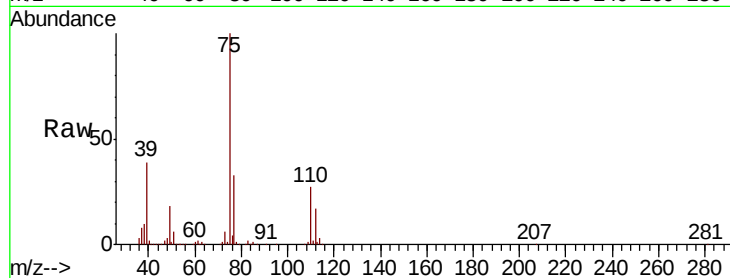
77 32.8 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.221 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

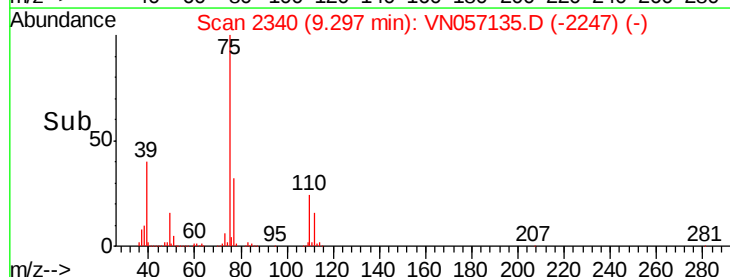
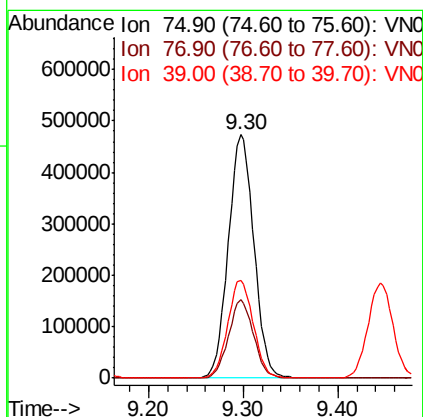
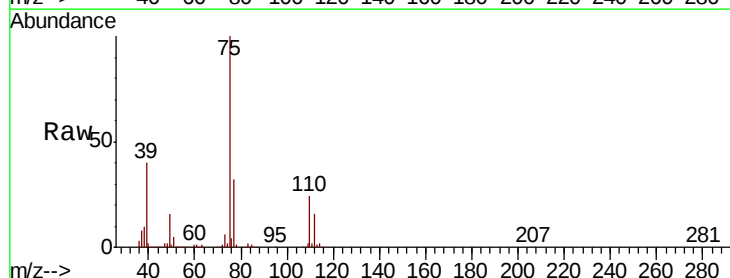
Tgt Ion: 75 Resp: 890693

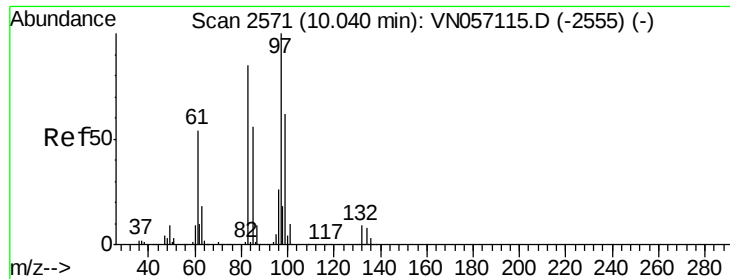
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 40.3 32.5 48.7





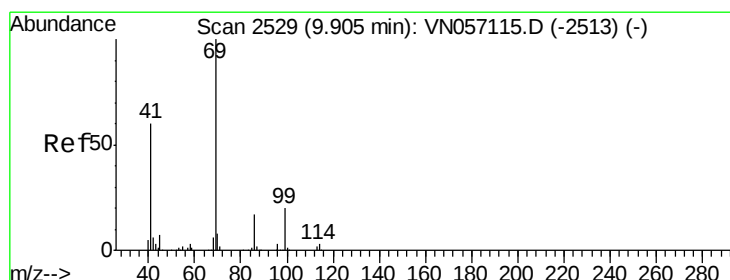
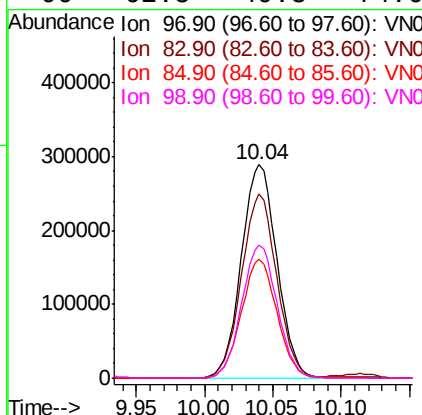
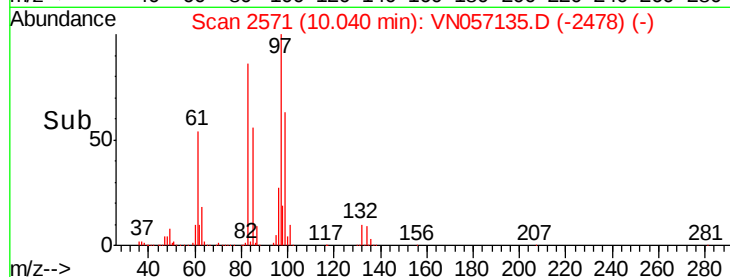
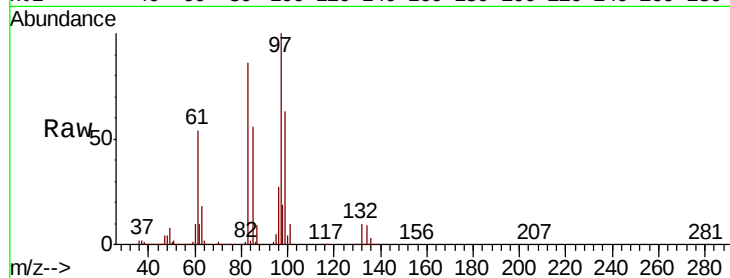
#55
 1,1,2-Trichloroethane
 Concen: 51.521 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		526757		
83	86.1	67.8	101.8		
85	56.0	44.4	66.6		
99	62.5	49.8	74.6		

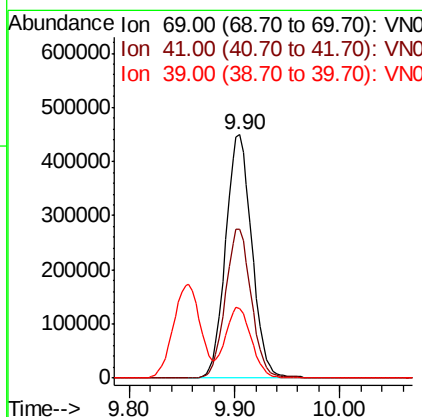
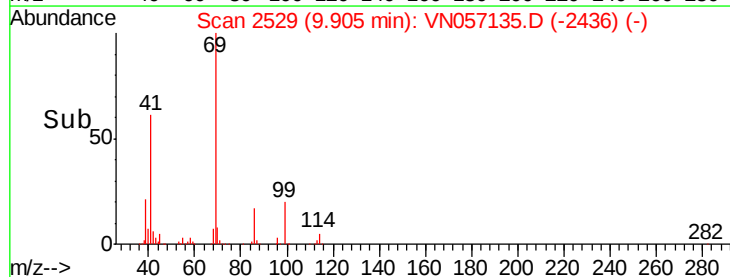
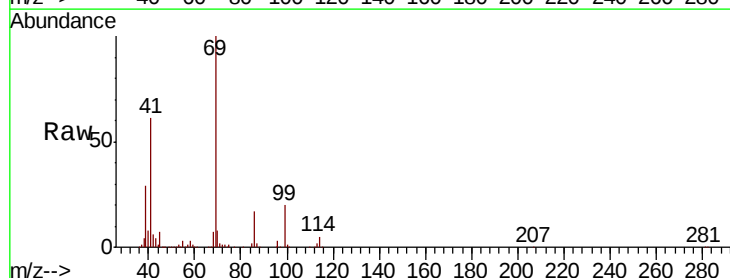
Manual Integrations
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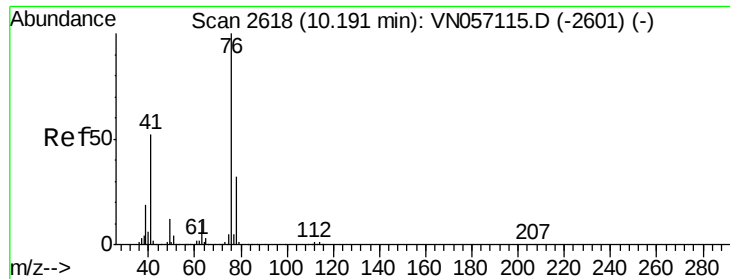
MMDadoda
 8/12/2019 3:32:02 PM



#56
 Ethyl methacrylate
 Concen: 53.894 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		771515		
41	60.1	48.1	72.1		
39	29.3	23.6	35.4		





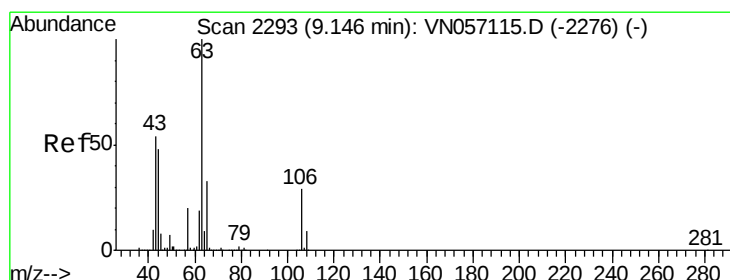
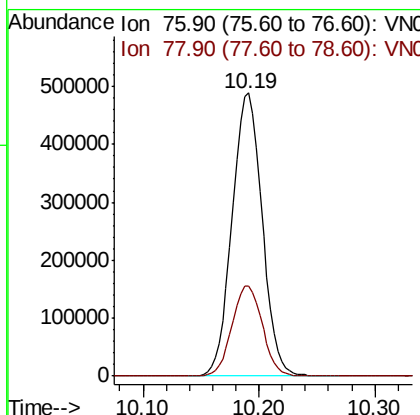
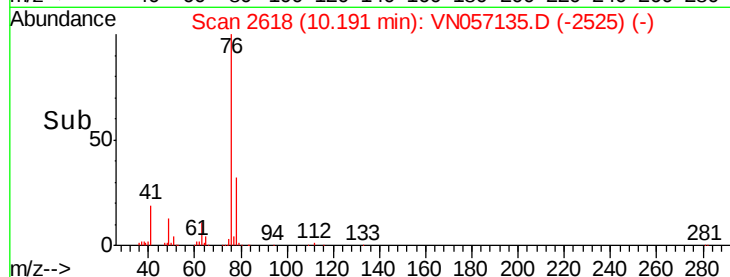
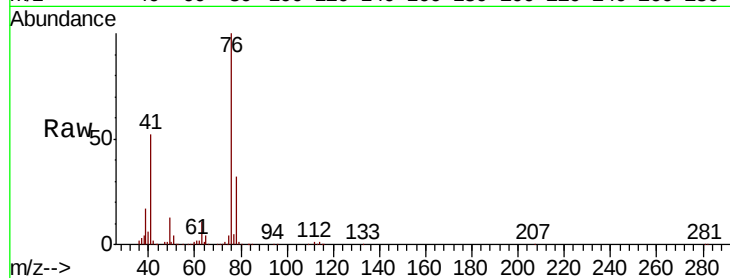
#57
 1,3-Dichloropropane
 Concen: 52.094 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

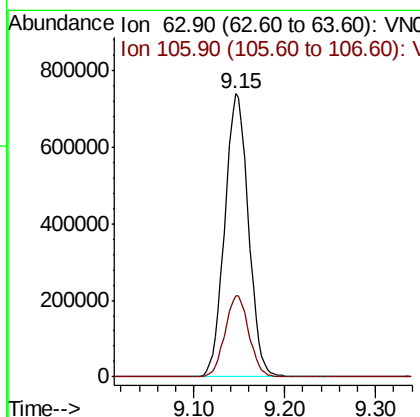
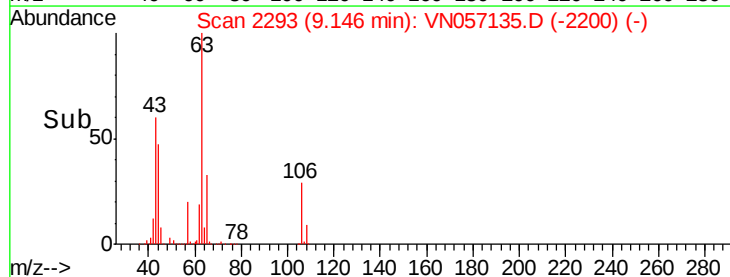
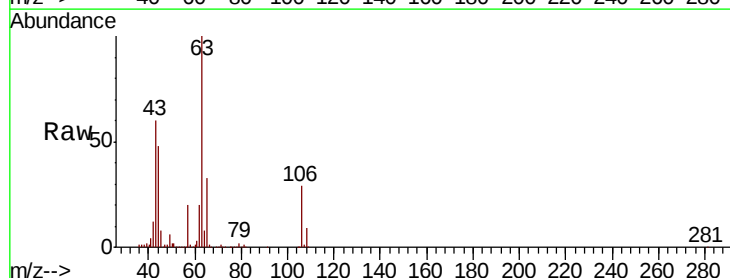
Manual Integrations
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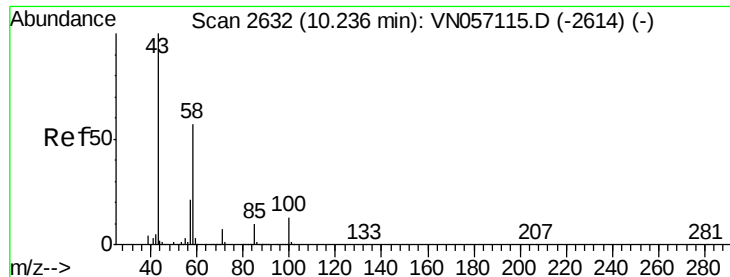
MMDadoda
 8/12/2019 3:32:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.793 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.6	33.8





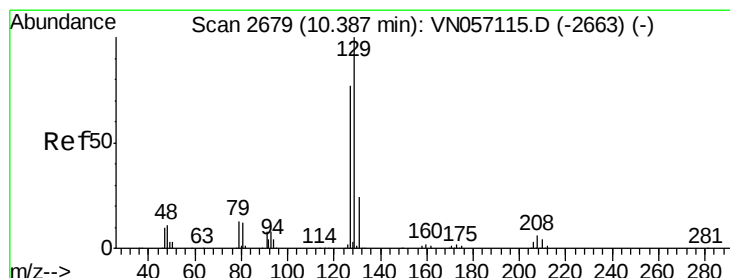
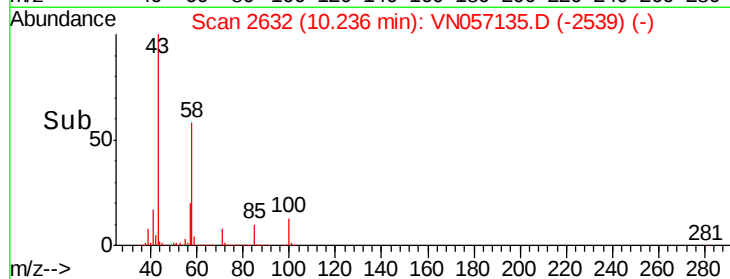
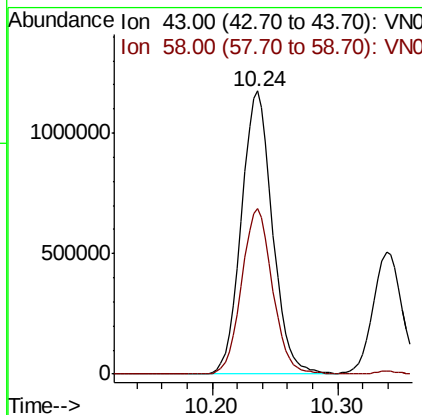
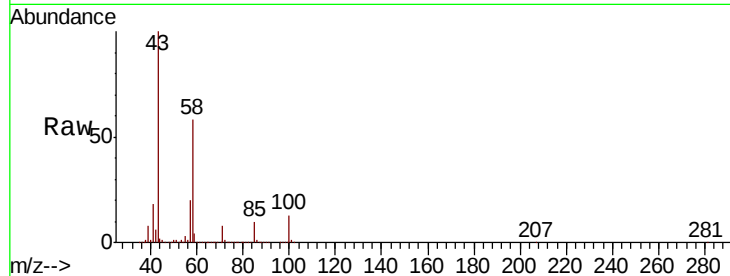
#59
2-Hexanone
Concen: 275.700 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2021286
Ion Ratio Lower Upper
43 100
58 58.3 29.2 87.6

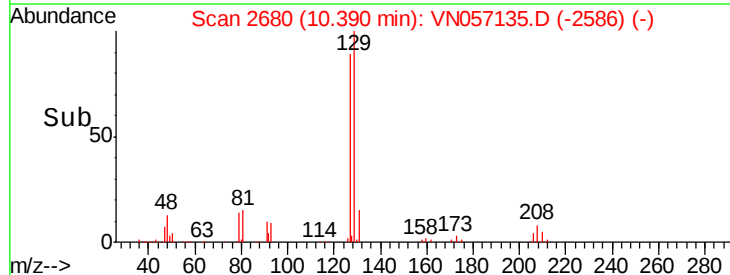
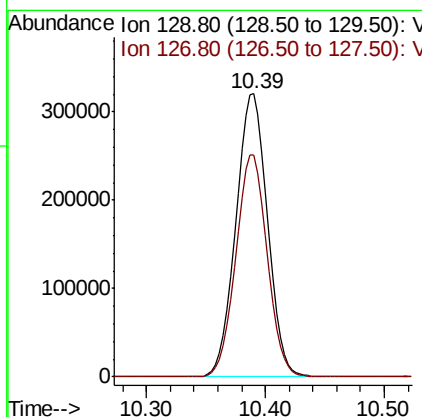
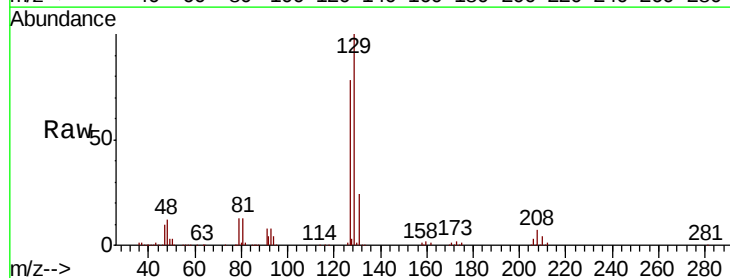
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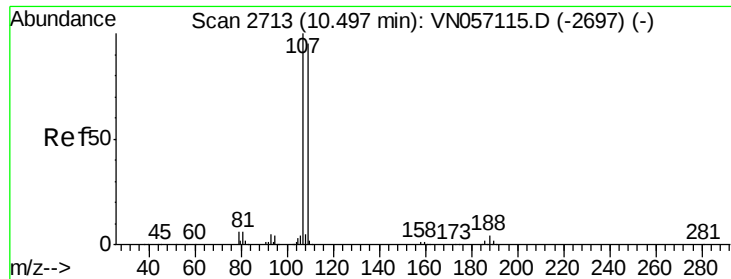
MMDadoda
8/12/2019 3:32:02 PM



#60
Dibromochloromethane
Concen: 55.018 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 129 Resp: 590774
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





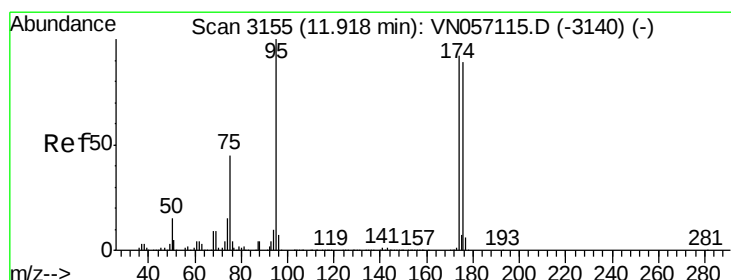
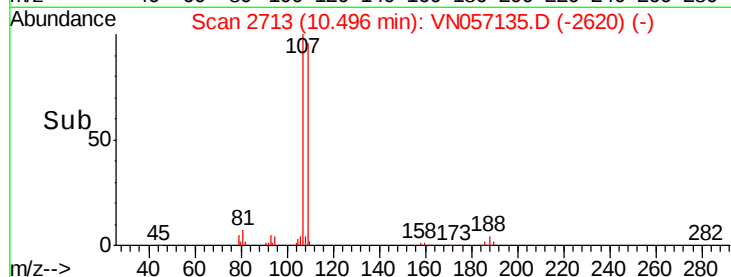
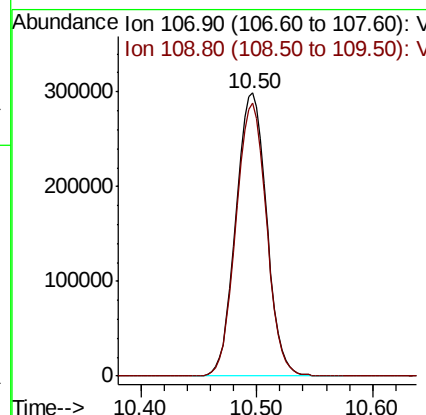
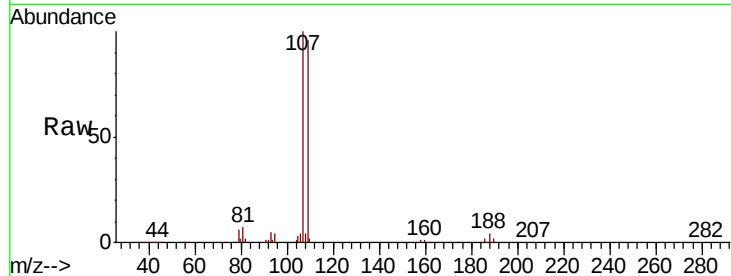
#61
 1,2-Dibromoethane
 Concen: 51.757 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.6	113.4

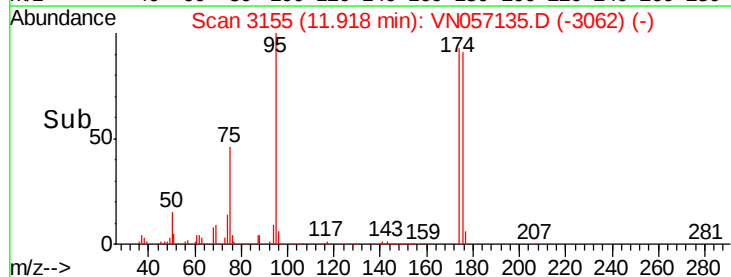
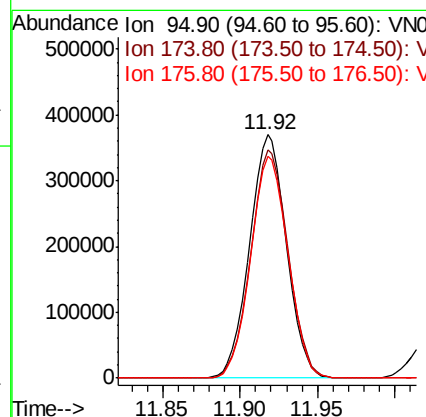
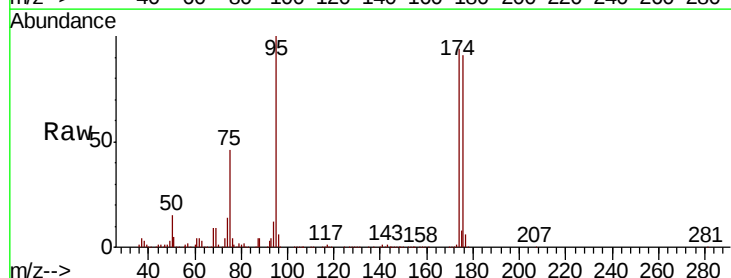
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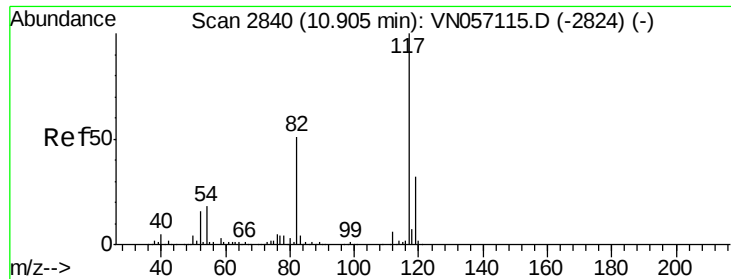
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 8/12/2019 3:32:02 PM



#62
 4-Bromofluorobenzene
 Concen: 49.323 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	185.0
176	92.6	0.0	181.2





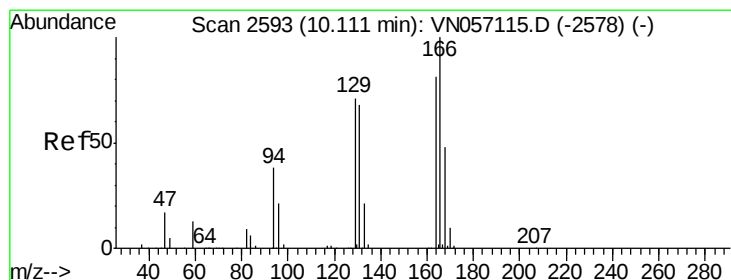
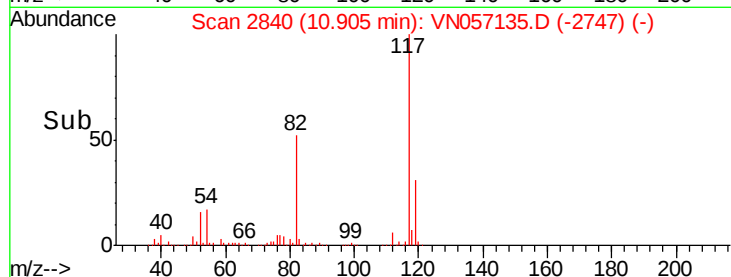
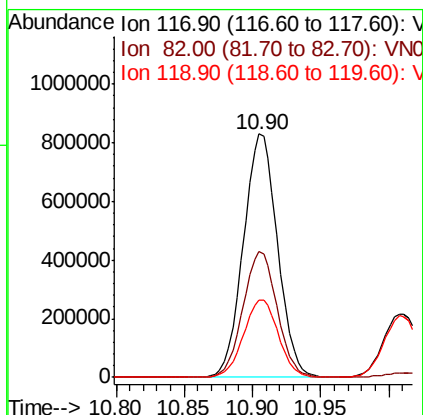
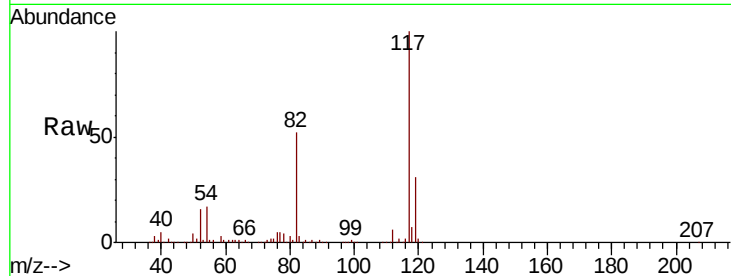
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	40.8	61.2
119	31.5	25.7	38.5

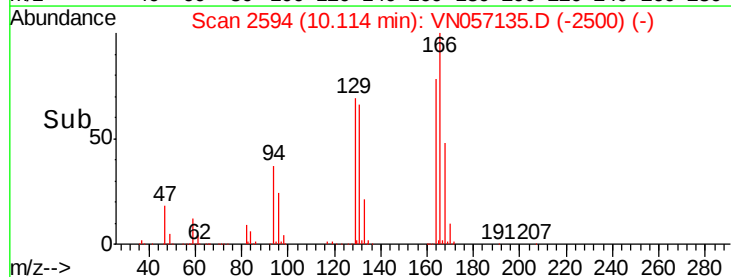
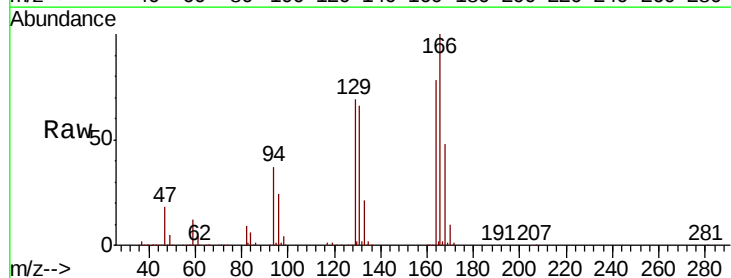
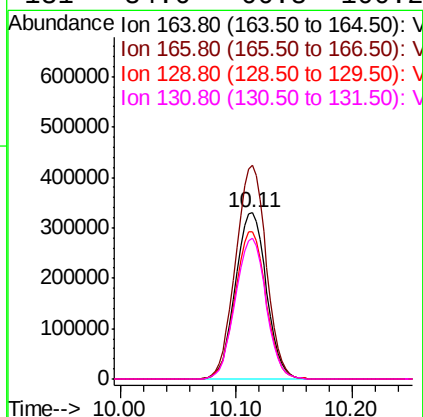
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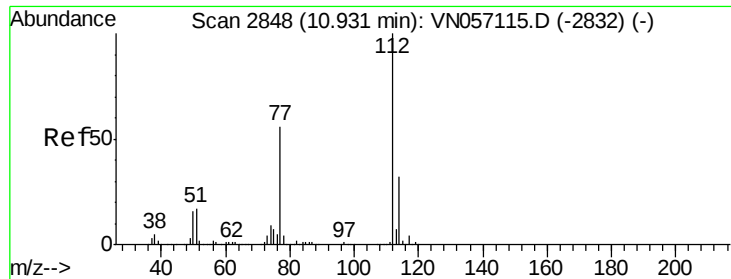
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#64
Tetrachloroethene
Concen: 51.084 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	98.3	147.5
129	88.7	69.8	104.6
131	84.6	66.8	100.2





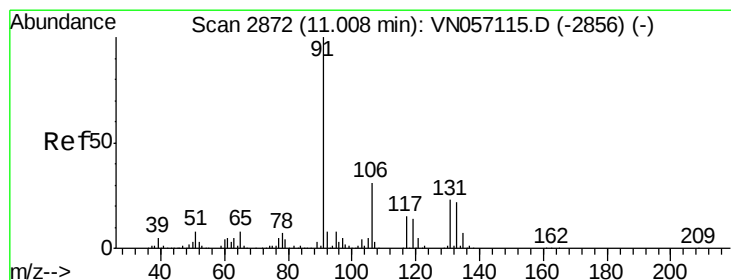
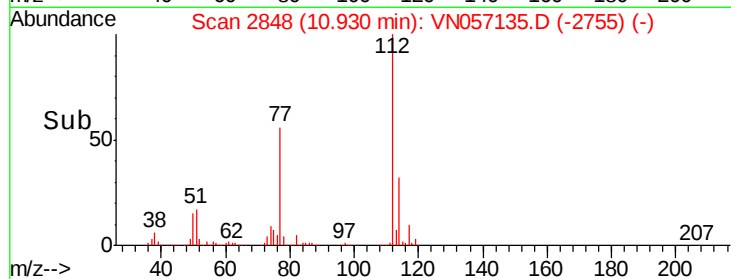
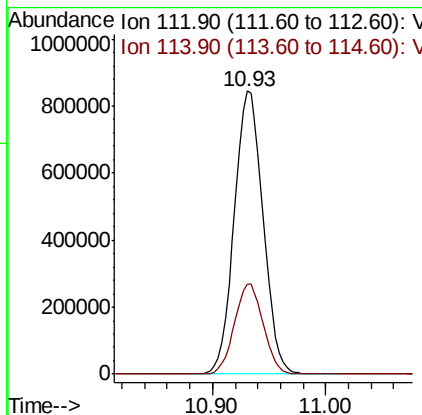
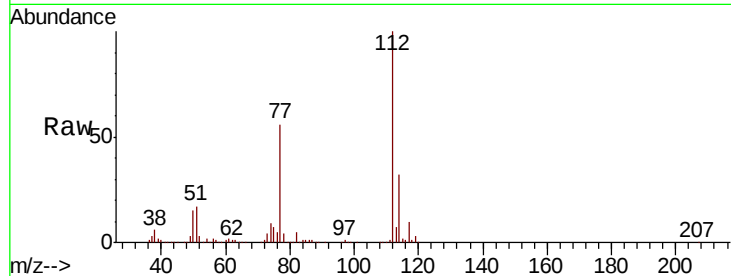
#65
Chlorobenzene
Concen: 51.702 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1498472
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

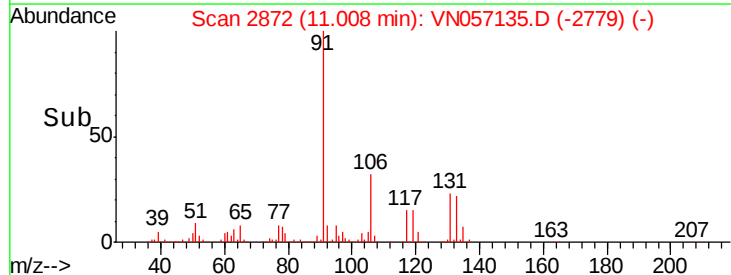
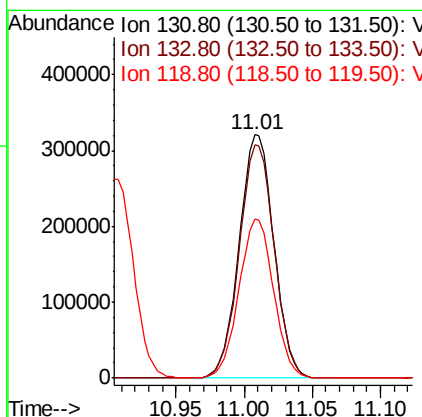
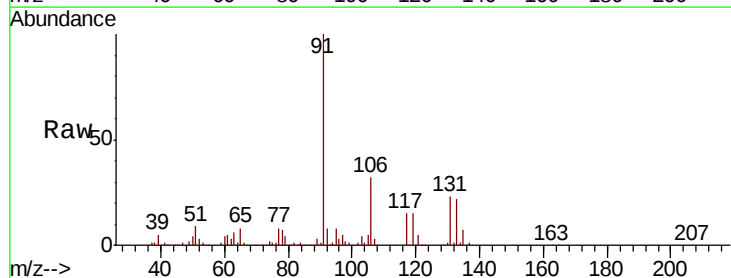
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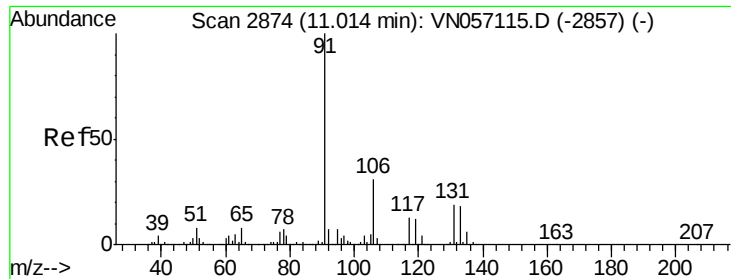
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.307 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion:131 Resp: 566782
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.8
119 65.2 32.6 97.7





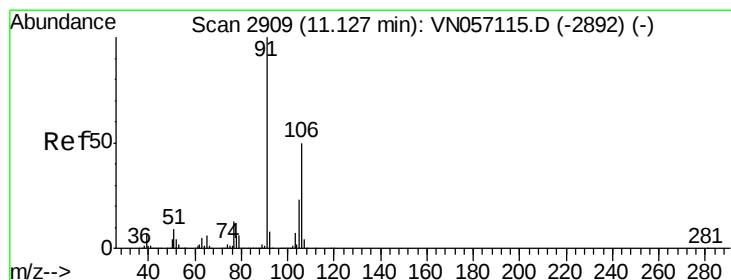
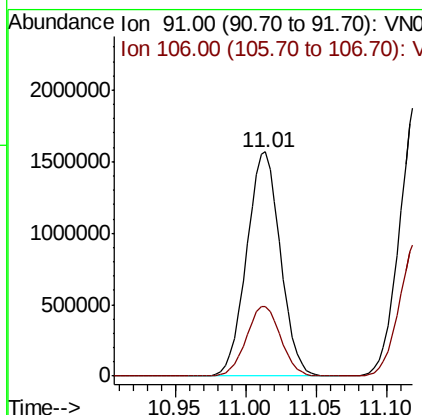
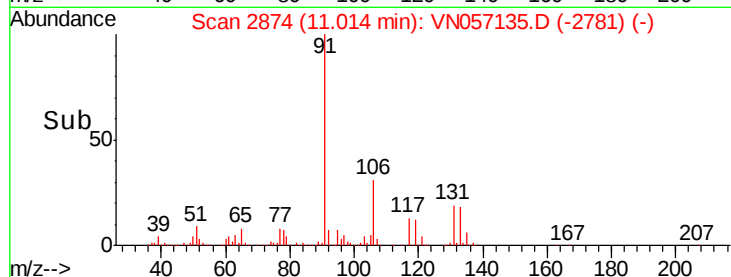
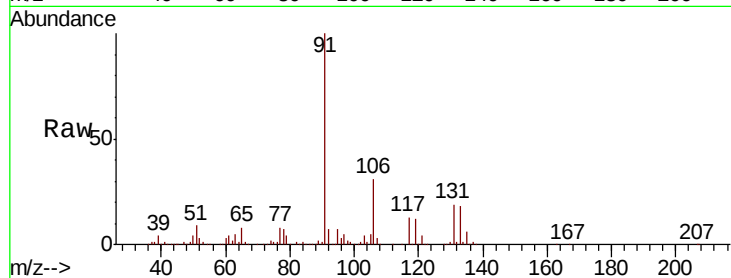
#67
Ethyl Benzene
Concen: 52.694 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2628491
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

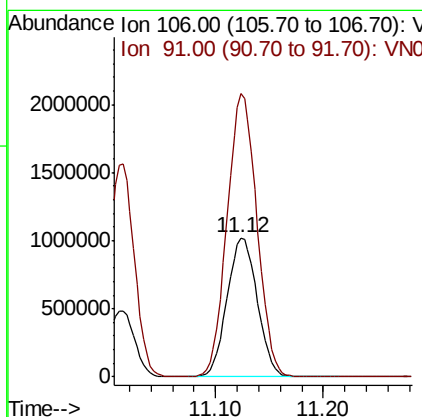
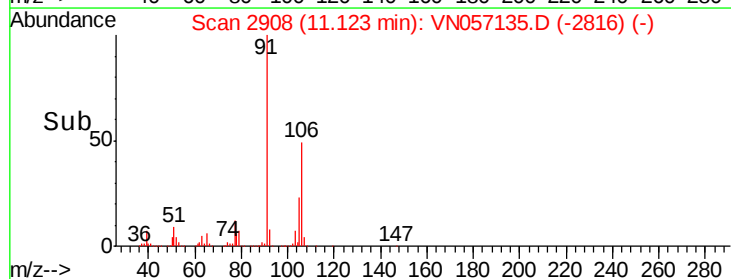
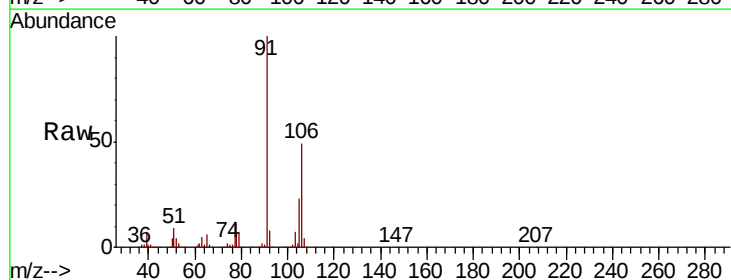
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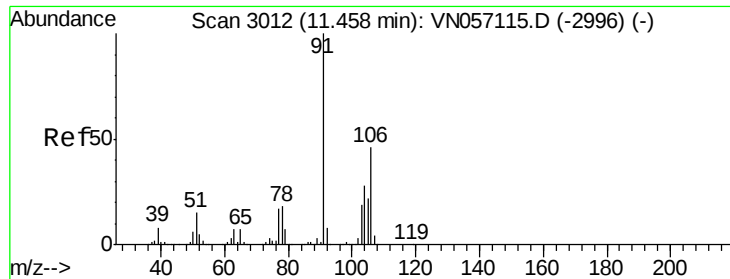
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#68
m/p-Xylenes
Concen: 108.174 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 106 Resp: 1987915
Ion Ratio Lower Upper
106 100
91 201.6 159.8 239.8





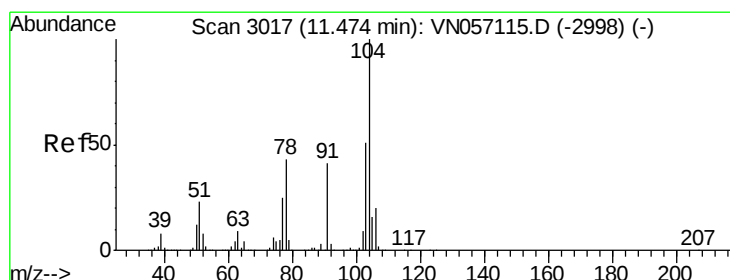
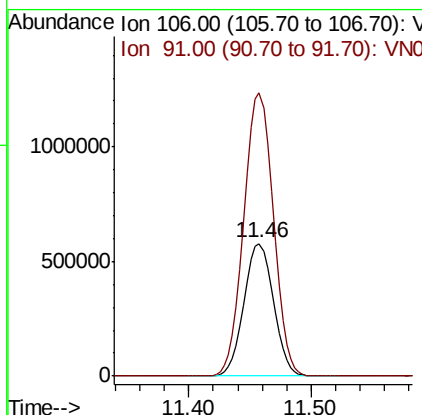
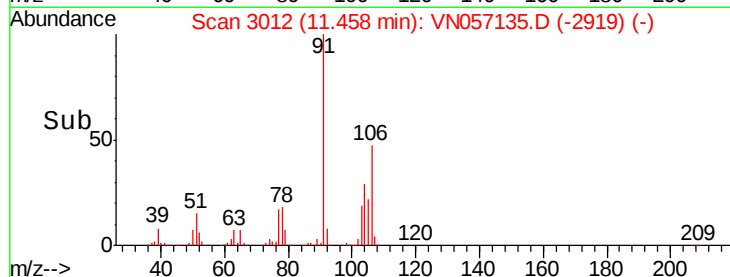
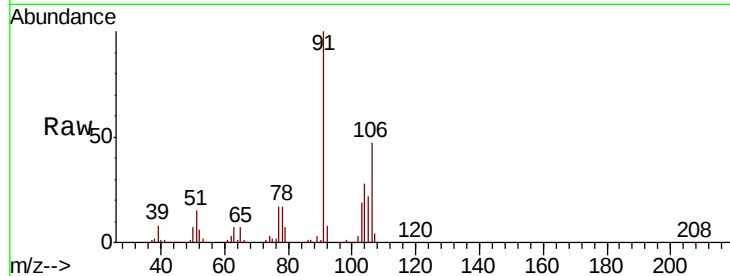
#69
o-Xylene
Concen: 52.796 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.7	106.8	320.5

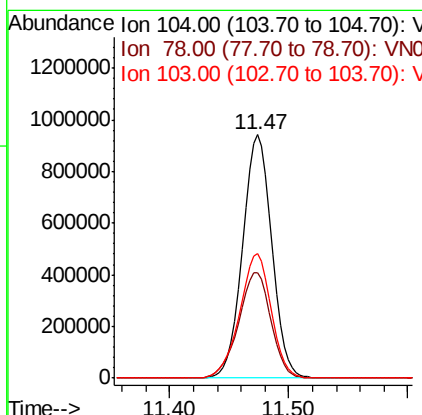
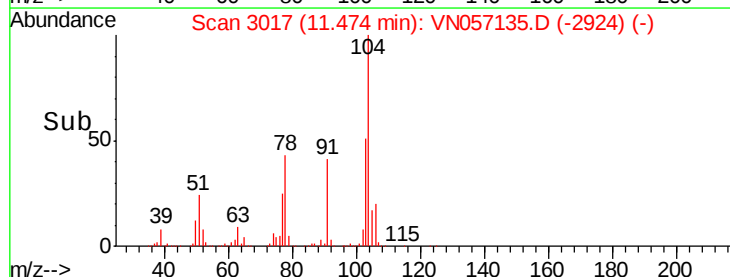
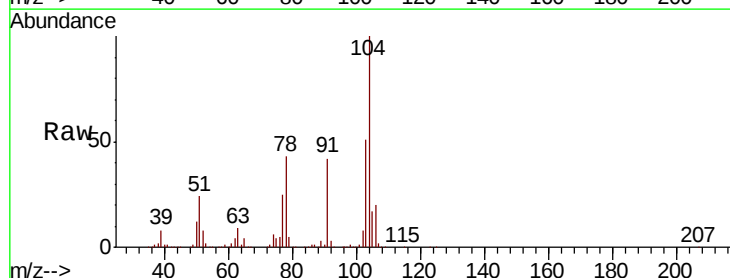
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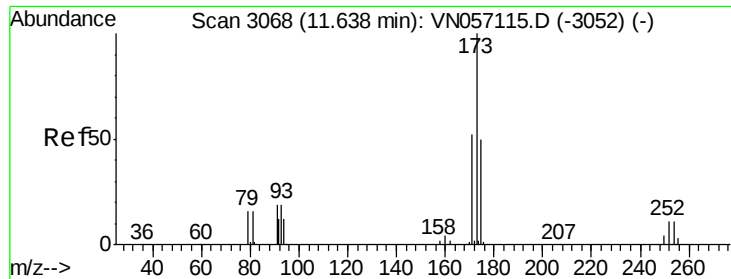
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#70
Styrene
Concen: 56.023 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.5	57.7
103	55.1	44.6	66.8





#71

Bromoform

Concen: 55.655 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

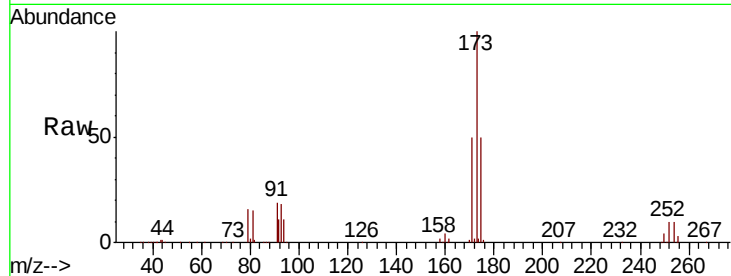
ClientSampleId :

VSTDCCC050

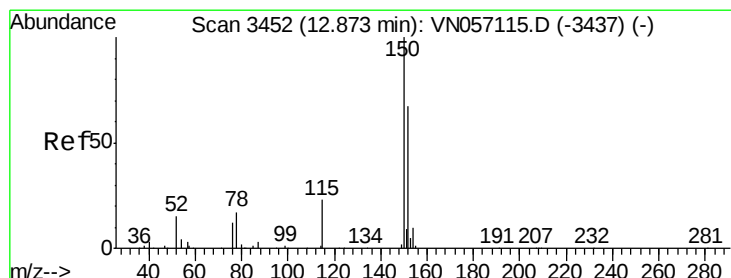
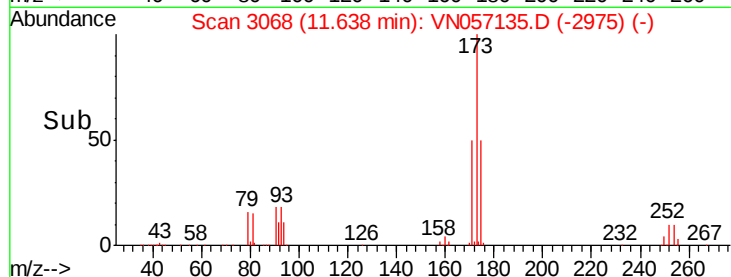
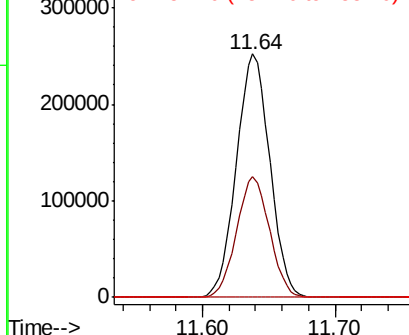
Tot Ion:	173	Resp:	441747
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
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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

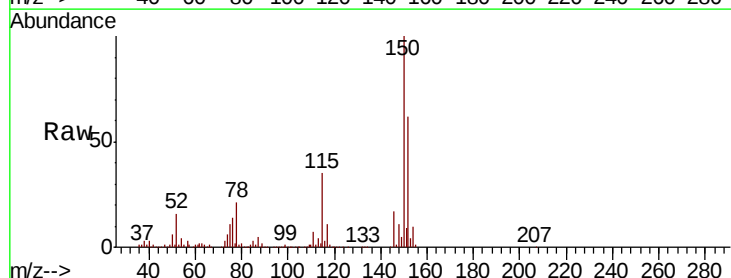
RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

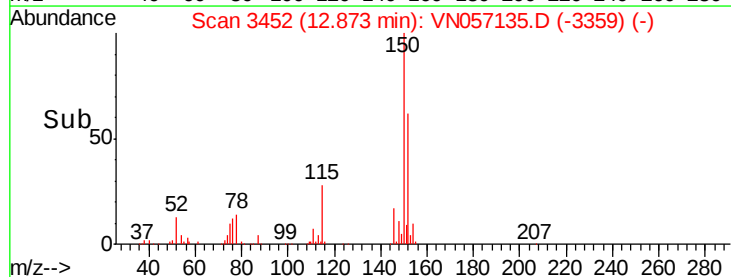
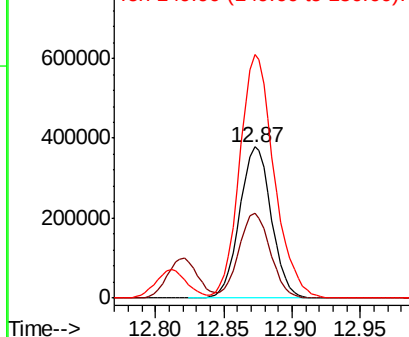
Lab File: VN057135.D

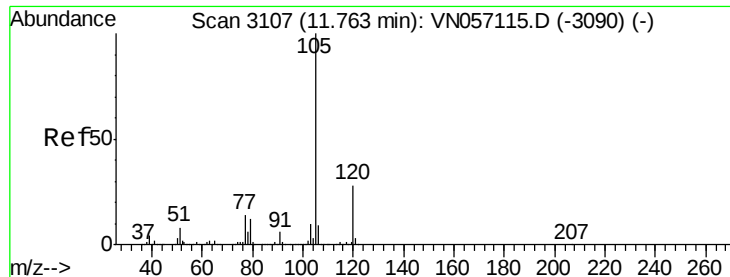
Acq: 9 Aug 2019 10:23

Tgt Ion:	152	Resp:	612553
Ion Ratio	Lower	Upper	
152	100		
115	55.8	27.5	82.5
150	174.4	0.0	341.6



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: 52.423 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2609075

Ion Ratio Lower Upper

105 100

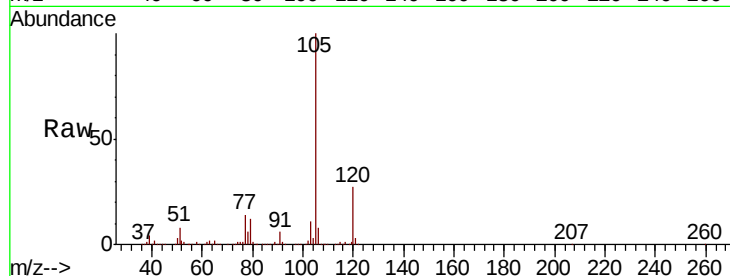
120 26.9 13.7 41.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.76

1500000

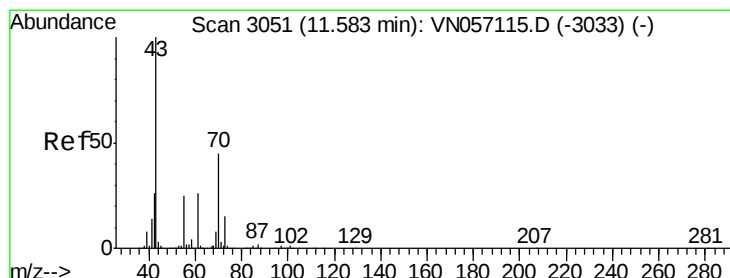
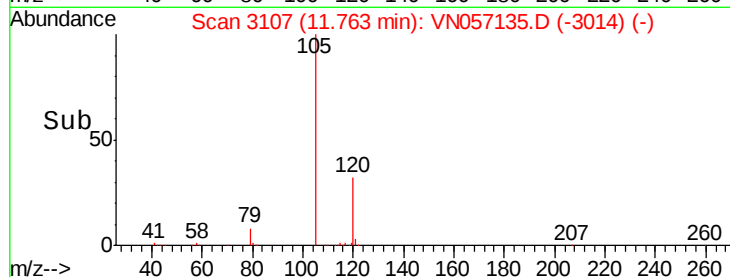
1000000

500000

0

Time-->

11.70 11.80



#74

N-ethyl acetate

Concen: 49.644 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion: 43 Resp: 770608

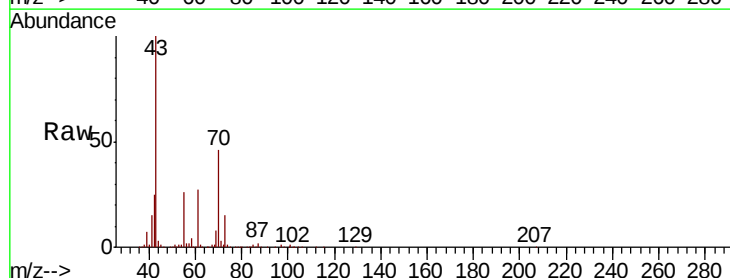
Ion Ratio Lower Upper

43 100

70 46.0 36.8 55.2

55 25.9 20.6 31.0

61 26.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

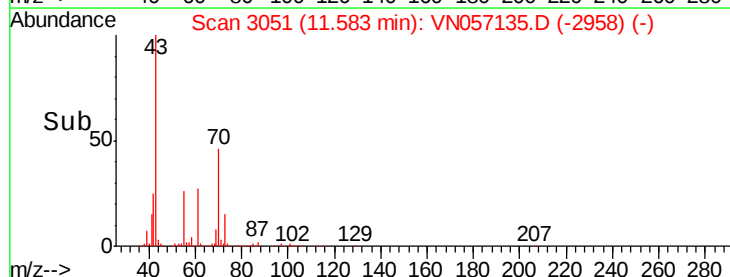
400000

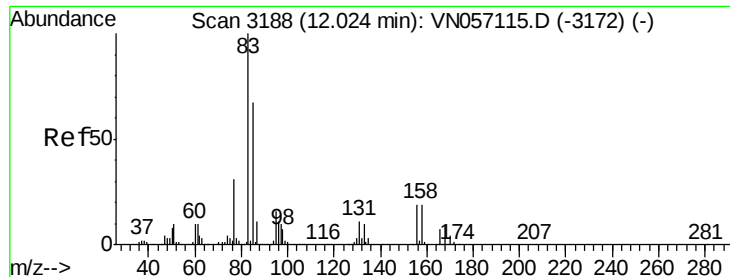
200000

0

Time-->

11.50 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 53.776 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 714088

Ion Ratio Lower Upper

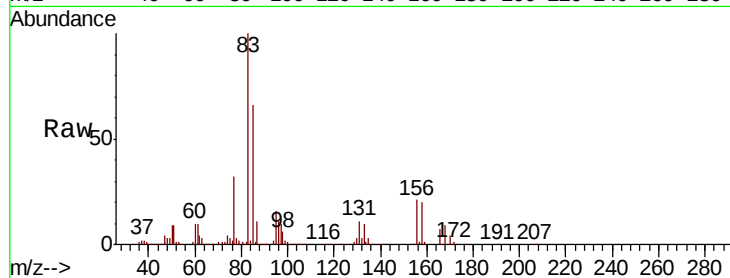
83 100

131 11.0 5.5 16.4

85 64.8 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-3172) (-)

Ion 130.80 (130.50 to 131.50): VN057115.D (-3172) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-3172) (-)

12.02

400000

300000

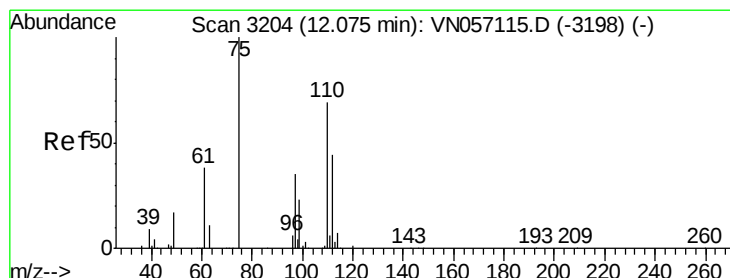
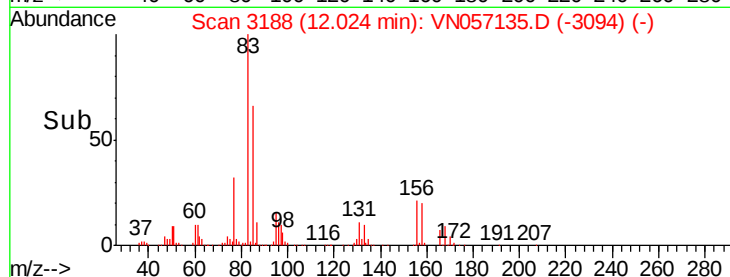
200000

100000

0

11.95 12.00 12.05

Time-->



#76

1,2,3-Trichloropropane

Concen: 51.684 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057135.D

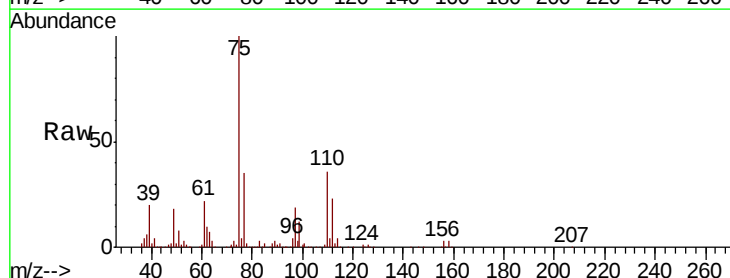
Acq: 9 Aug 2019 10:23

Tgt Ion: 75 Resp: 616703

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057115.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057115.D (-3198) (-)

600000

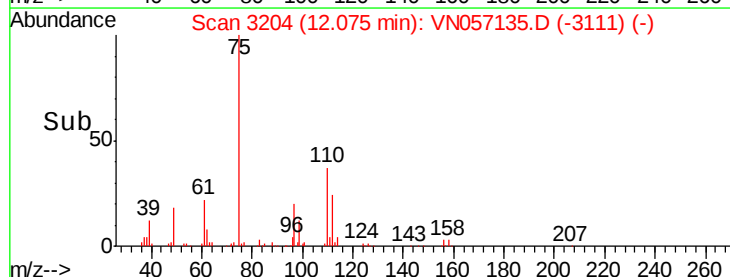
400000

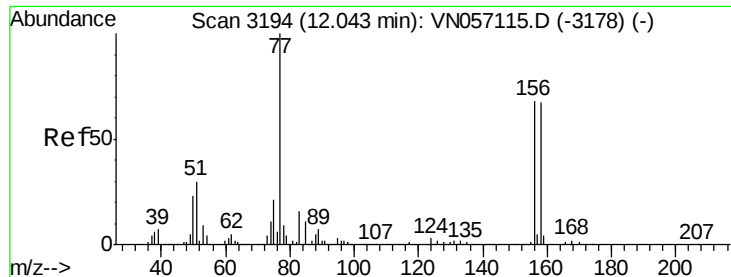
200000

0

12.05 12.10

Time-->





#77

Bromobenzene

Concen: 46.178 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

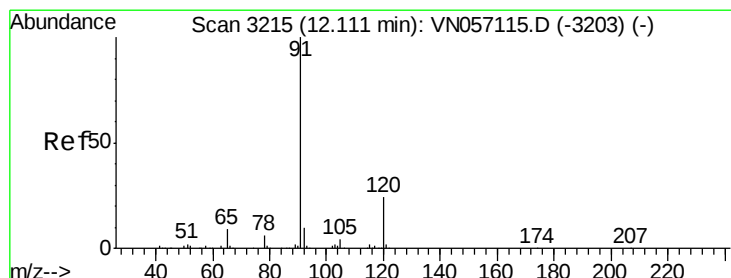
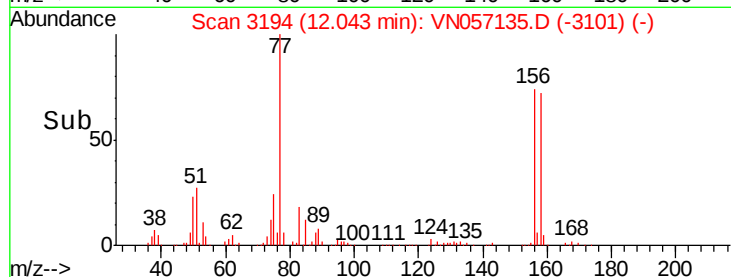
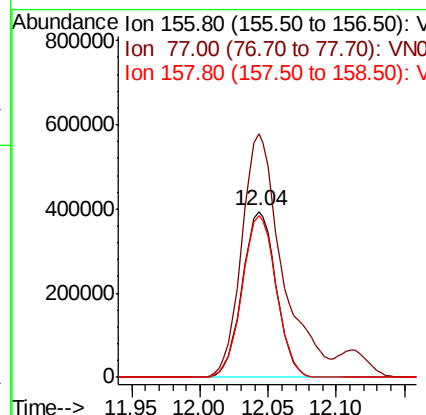
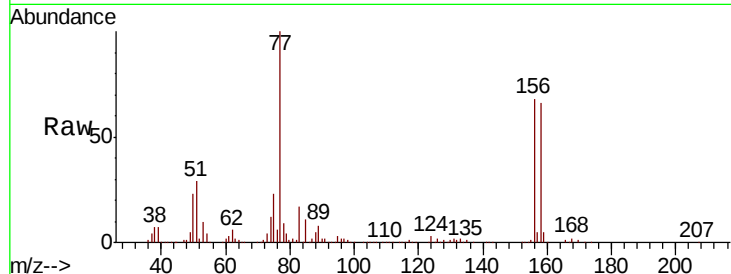
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.4	88.7	266.1
158	98.3	49.3	147.8

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#78

n-propylbenzene

Concen: 48.252 ug/l

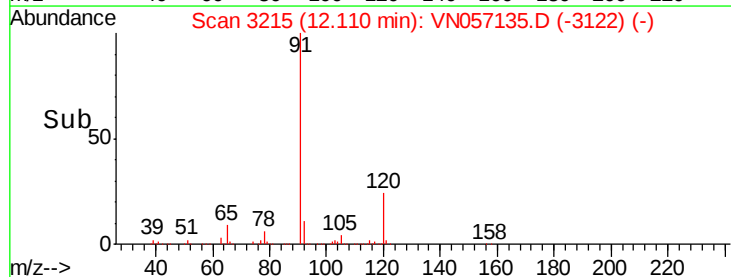
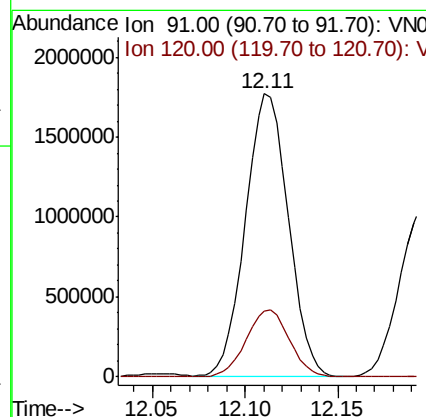
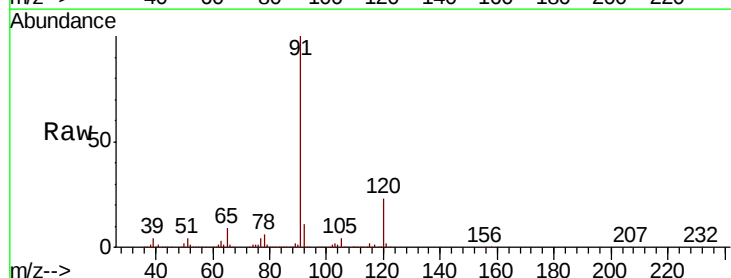
RT: 12.11 min Scan# 3215

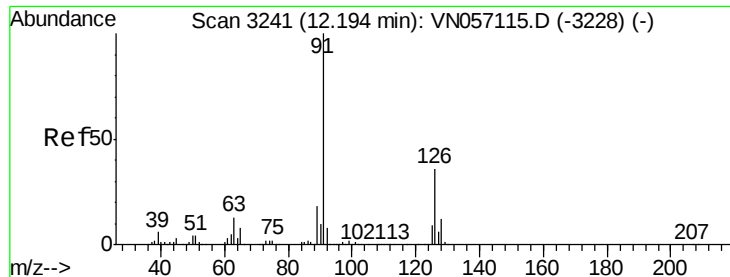
Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.447 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1714131

Ion Ratio Lower Upper

91 100

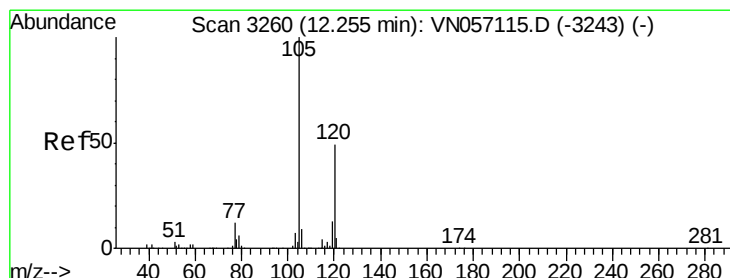
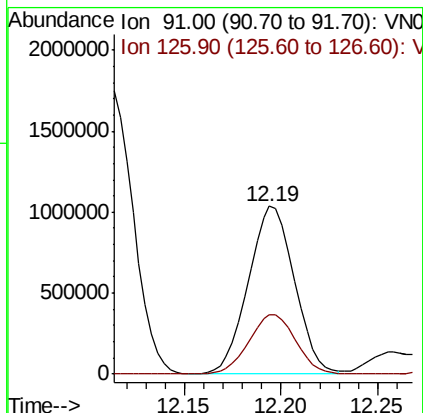
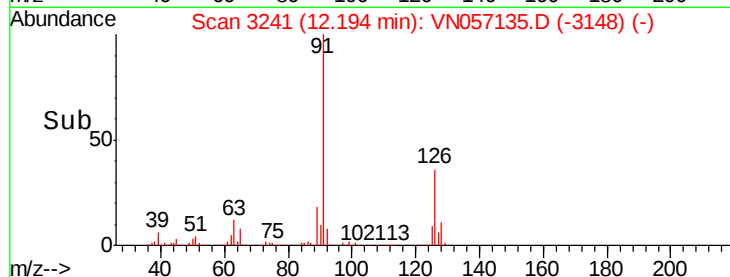
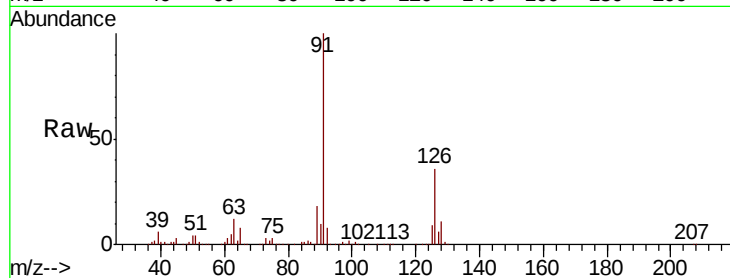
126 36.4 18.1 54.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.401 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057135.D

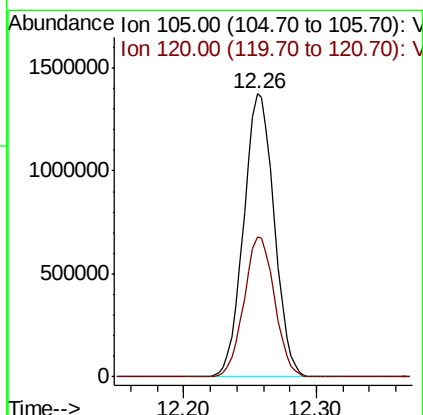
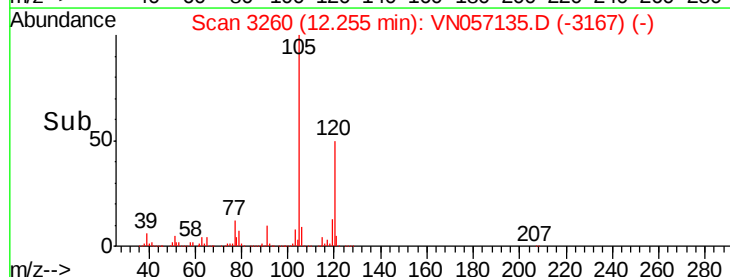
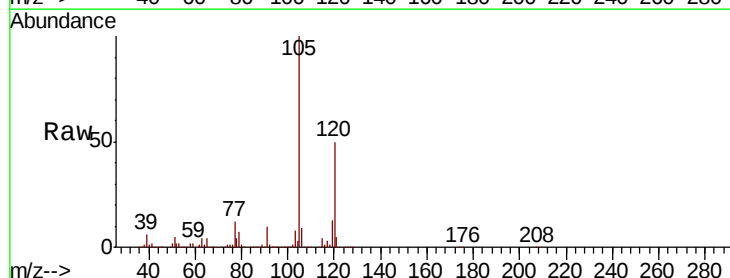
Acq: 9 Aug 2019 10:23

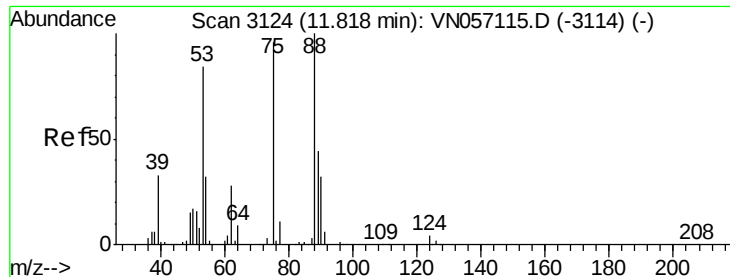
Tgt Ion:105 Resp: 2194355

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.6





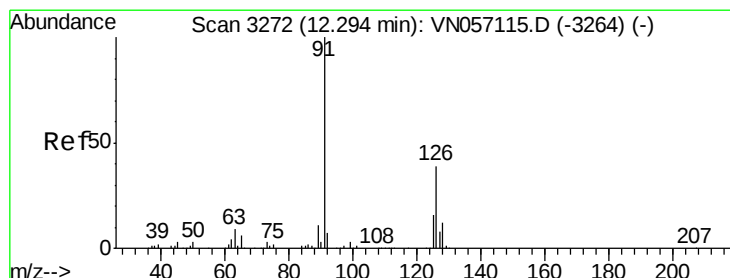
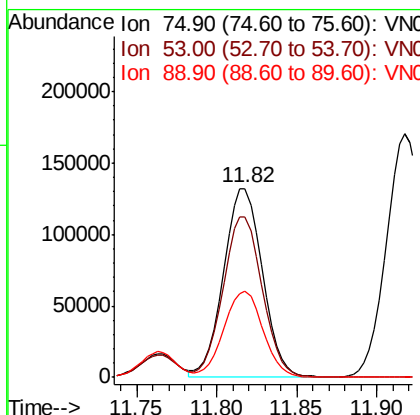
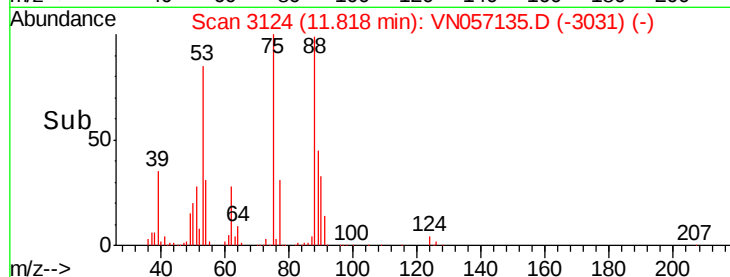
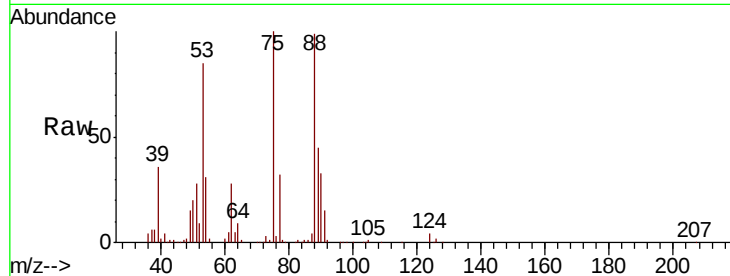
#81
trans-1,4-Dichloro-2-butene
Concen: 52.428 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	70.6	106.0
89	46.0	36.4	54.6

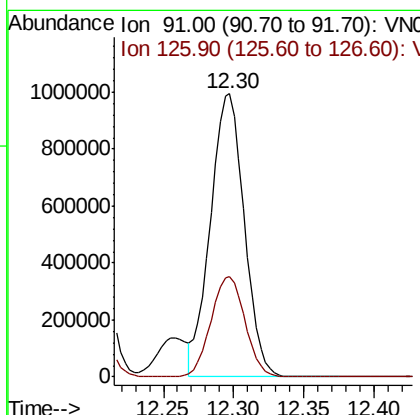
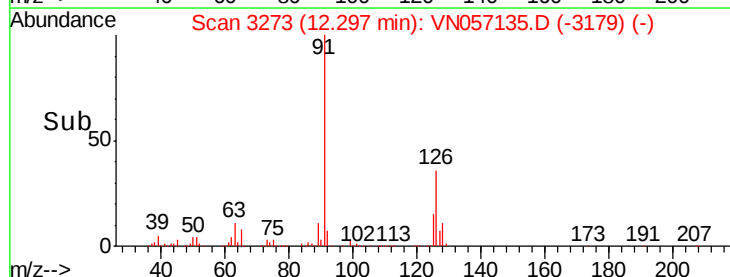
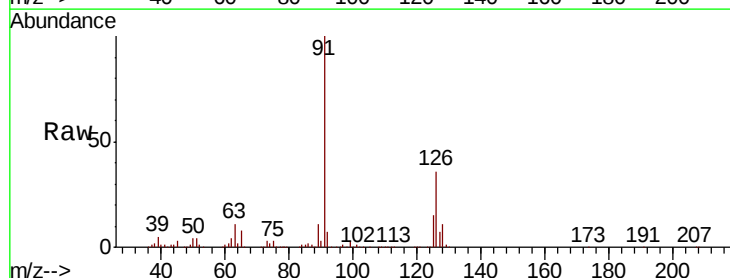
Manual Integrations
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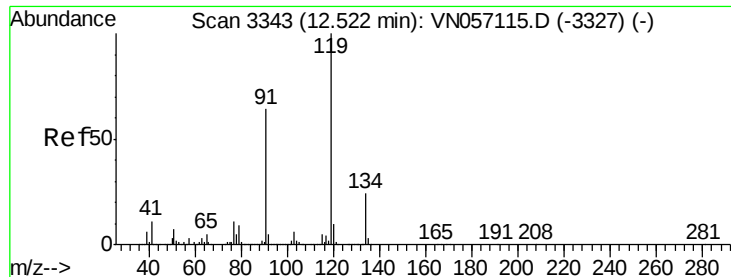
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#82
4-Chlorotoluene
Concen: 48.527 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.9	53.7





#83

tert-Butylbenzene

Concen: 51.345 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

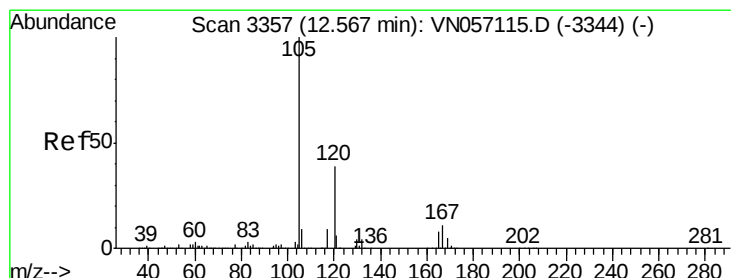
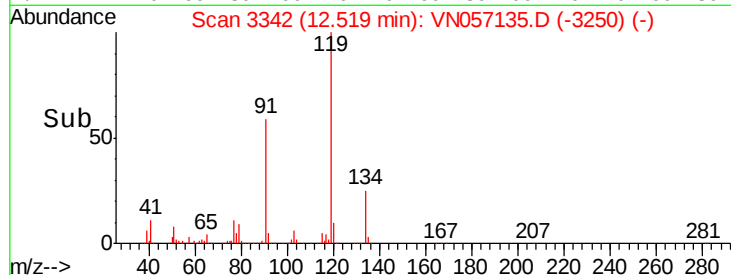
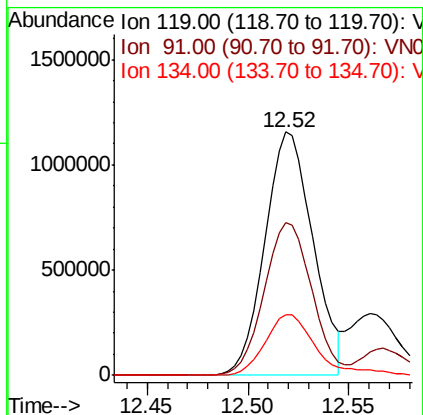
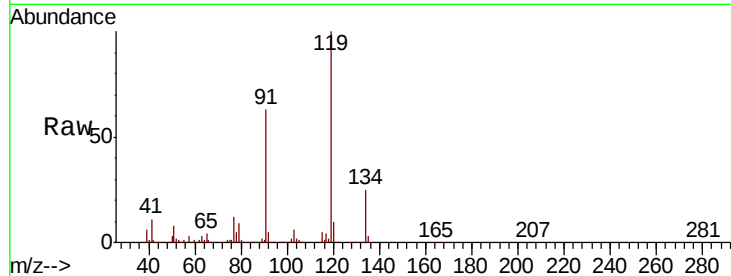
ClientSampleId :

VSTDCCC050

Tot Ion	119	Resp: Lower	1912024 Upper
119	100		
91	62.0	31.4	94.2
134	26.6	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 45.663 ug/l

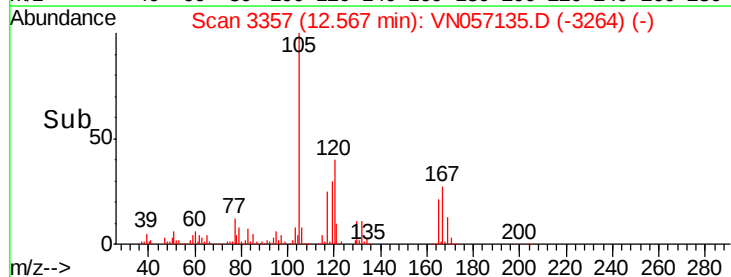
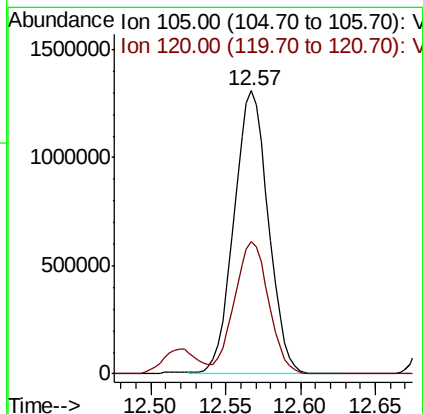
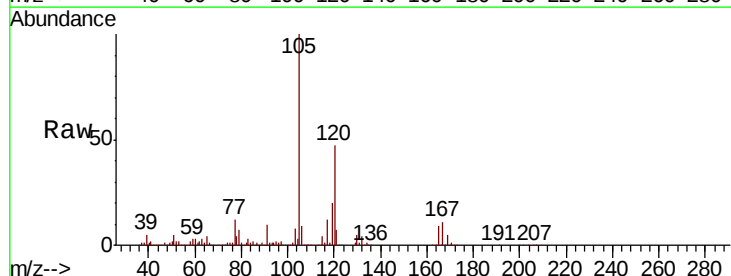
RT: 12.57 min Scan# 3357

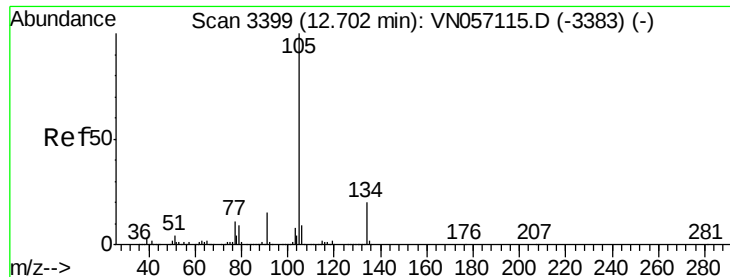
Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt	Ion:105	Resp:	2087268
Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8





#85

sec-Butylbenzene

Concen: 46.530 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2483254

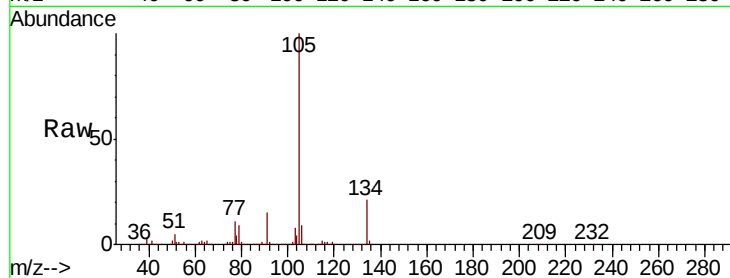
Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.4

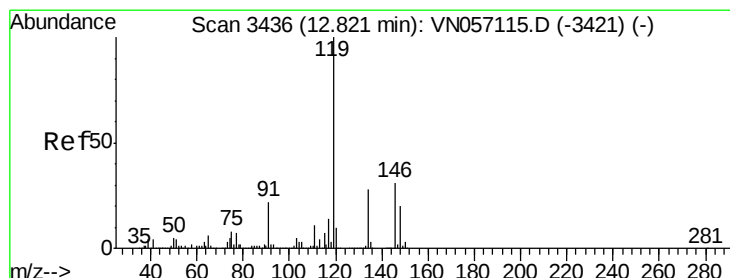
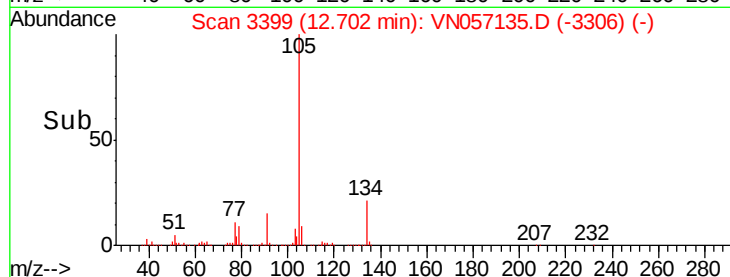
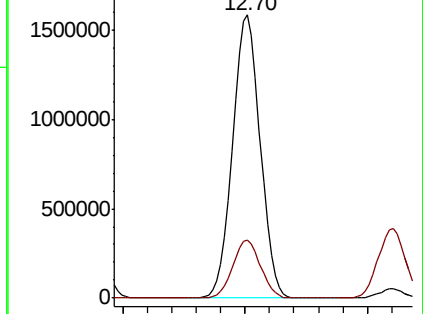
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.429 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

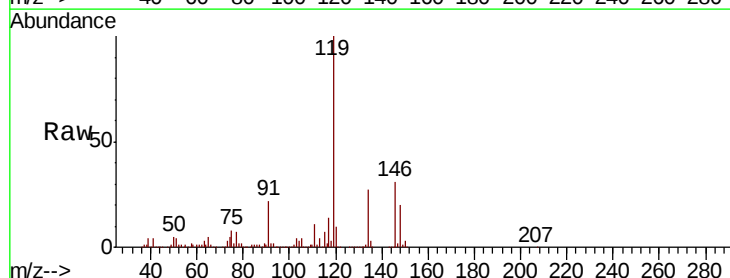
Tgt Ion:119 Resp: 2221105

Ion Ratio Lower Upper

119 100

134 27.1 13.8 41.3

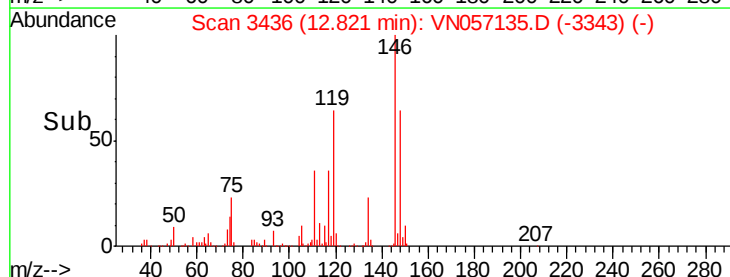
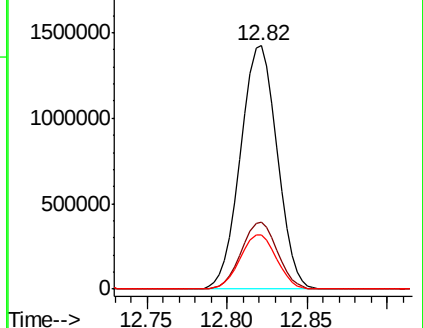
91 22.2 11.0 33.0

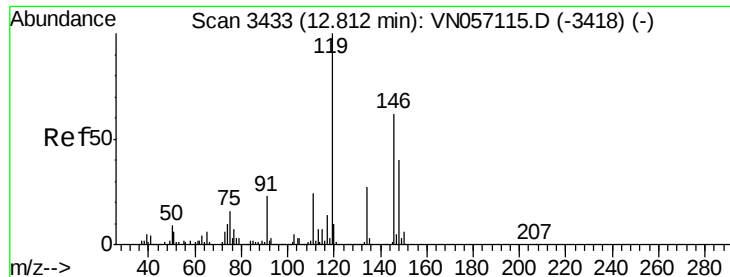


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





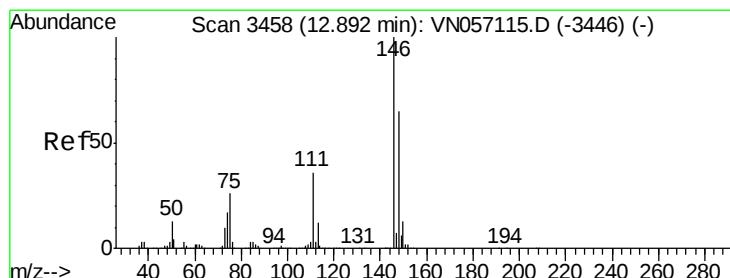
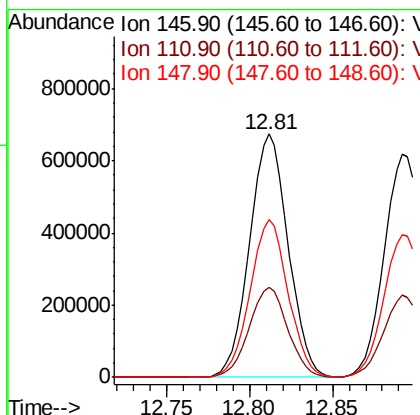
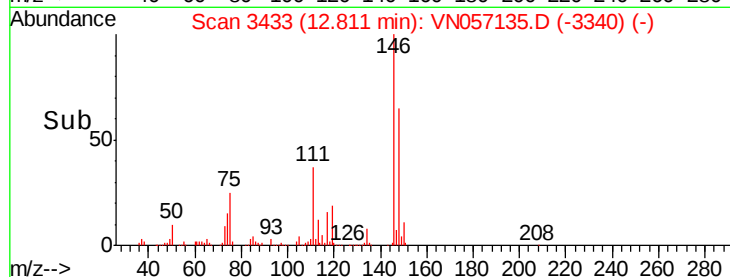
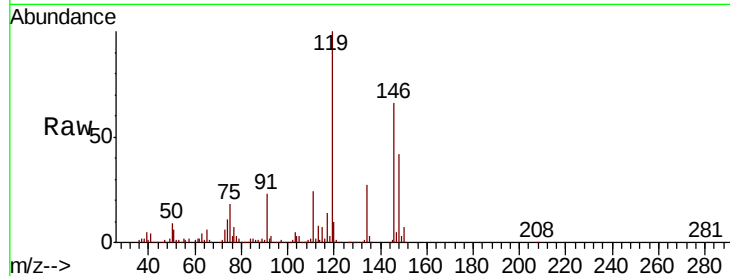
#87
 1,3-Dichlorobenzene
 Concen: 52.014 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	63.9	32.4	97.0

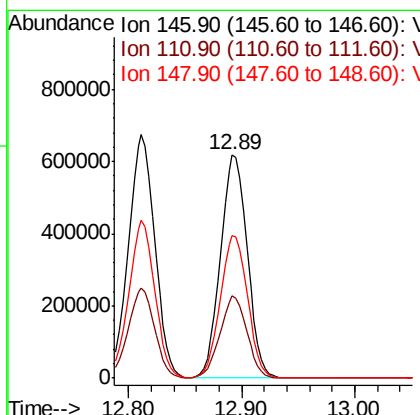
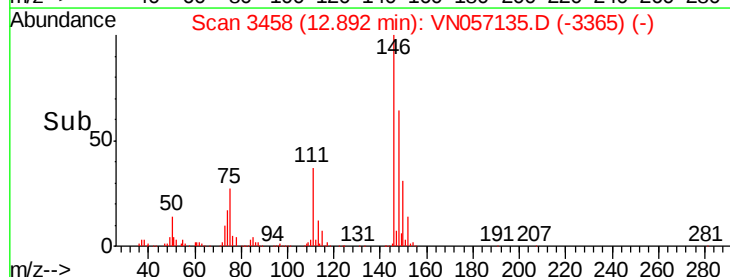
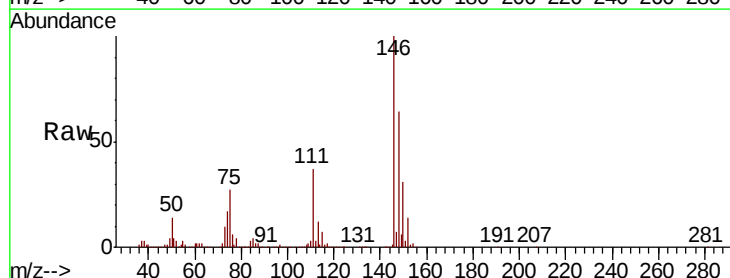
Manual Integrations
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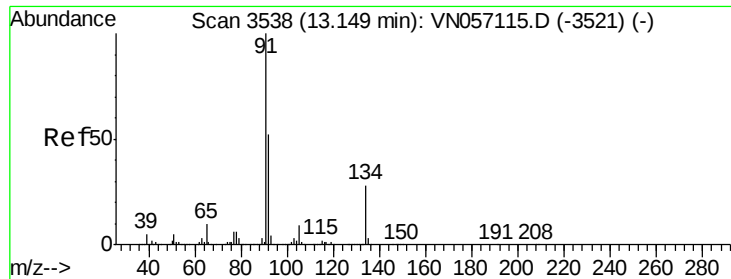
MMDadoda
 8/12/2019 3:32:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.544 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.2	54.6
148	64.9	32.0	96.2





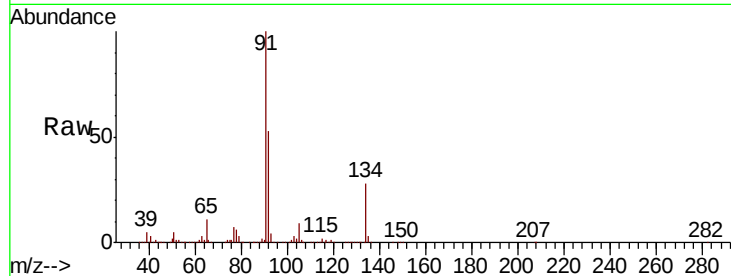
#89
n-Butylbenzene
Concen: 50.376 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.4
134	27.8	14.1	42.3

Manual Integrations
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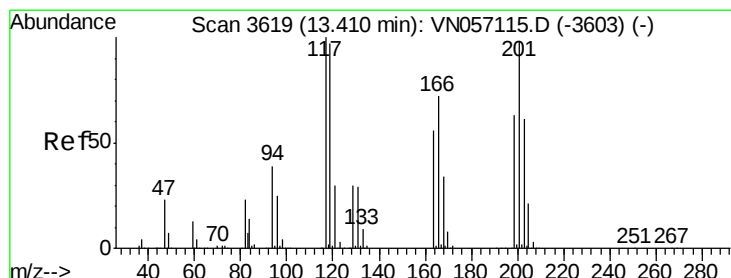
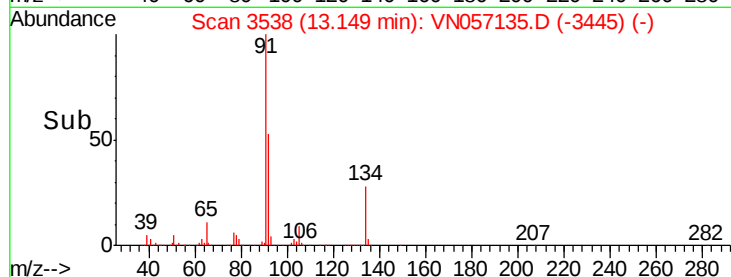
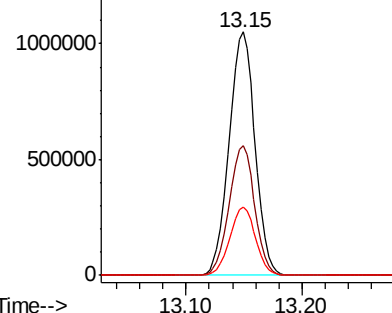
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Abundance Ion 91.00 (90.70 to 91.70): VN057135.D (-3521) (-)

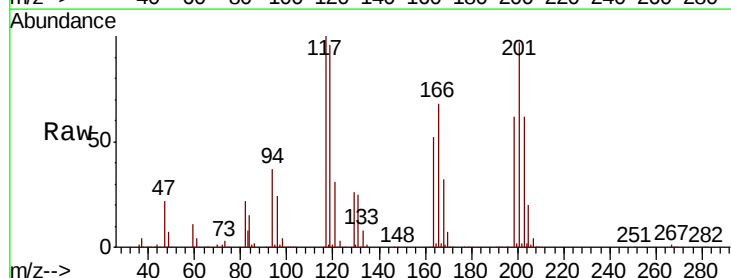
Ion 92.00 (91.70 to 92.70): VN057135.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057135.D (-3521) (-)



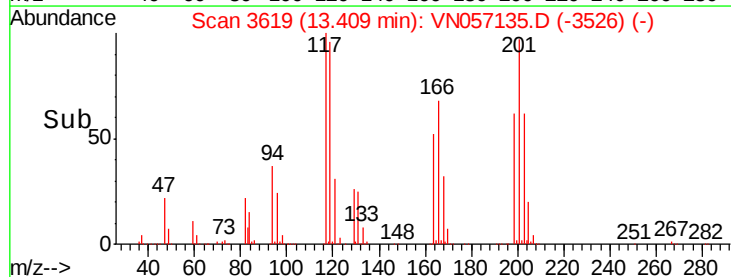
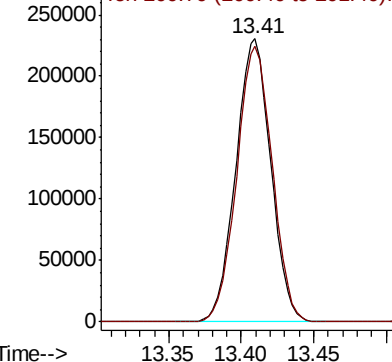
#90
Hexachloroethane
Concen: 52.164 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

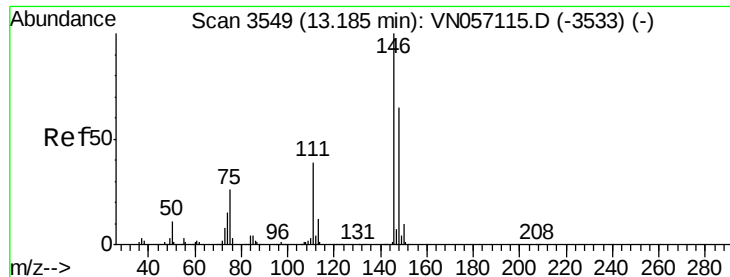
Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.7	49.3	147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057135.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057135.D (-3603) (-)





#91

1,2-Dichlorobenzene

Concen: 50.968 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1066847

Ion Ratio Lower Upper

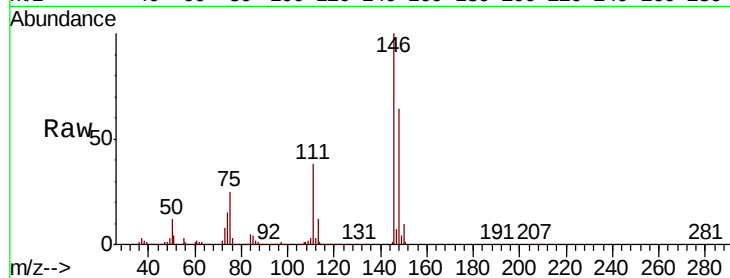
146 100

111 38.5 19.2 57.6

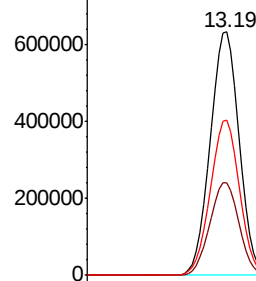
148 64.1 32.4 97.0

Manual Integrations
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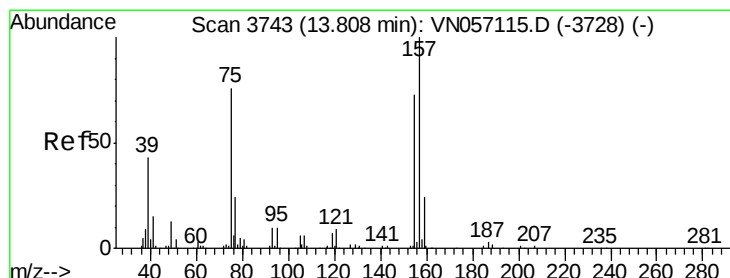
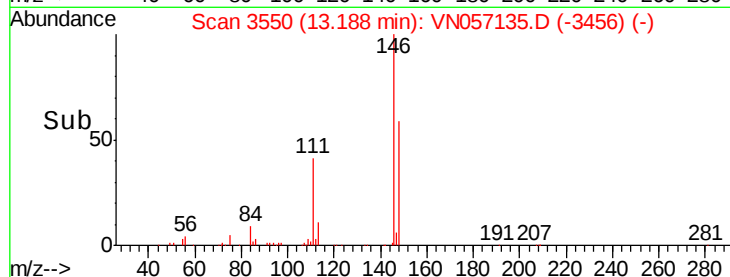
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.078 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

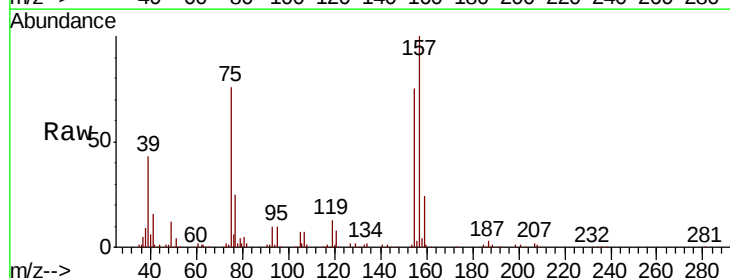
Tgt Ion: 75 Resp: 107833

Ion Ratio Lower Upper

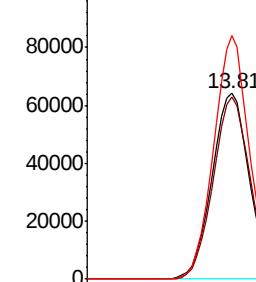
75 100

155 96.7 49.3 147.9

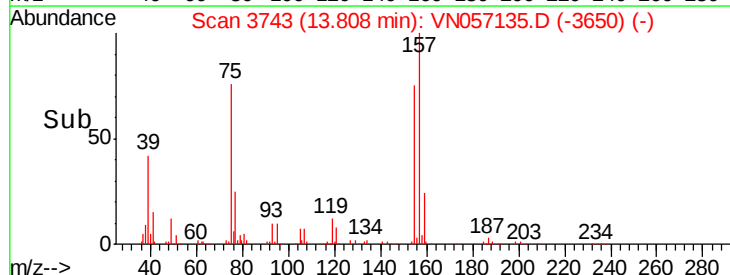
157 124.7 65.3 195.8

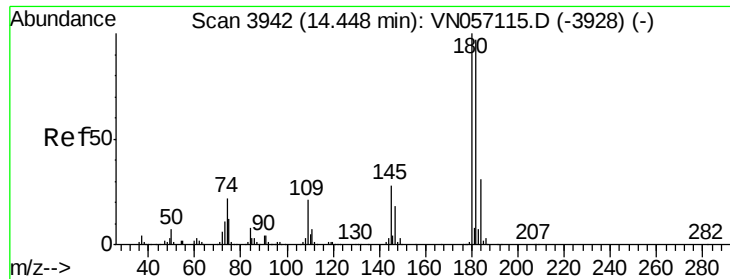


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



Time-->





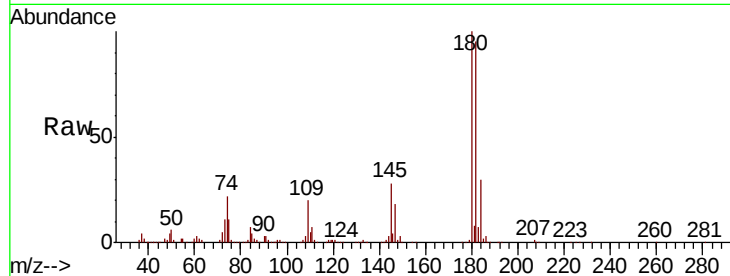
#93
 1,2,4-Trichlorobenzene
 Concen: 49.634 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

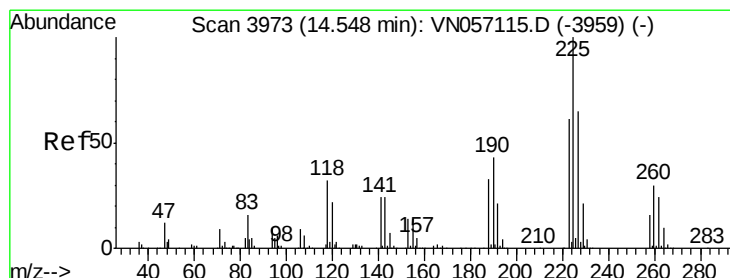
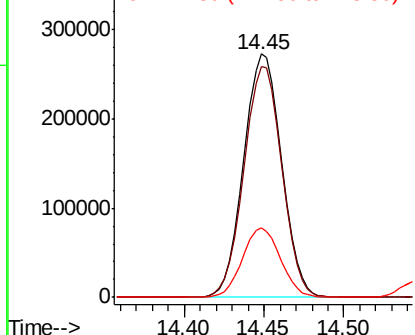
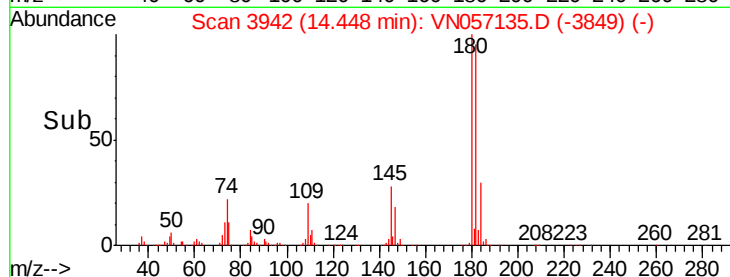
Tot Ion	Ratio	Resp	Lower	Upper
180	100	440190		
182	95.2	47.5	142.6	
145	28.6	14.1	42.2	

Manual Integrations
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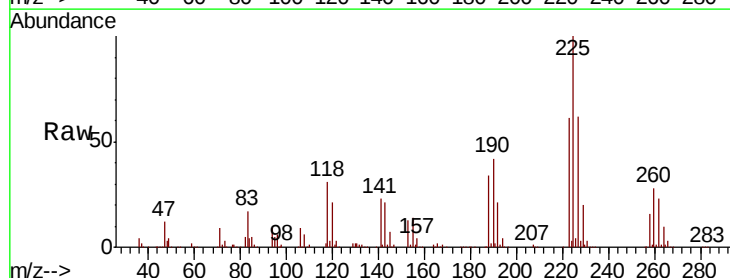


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

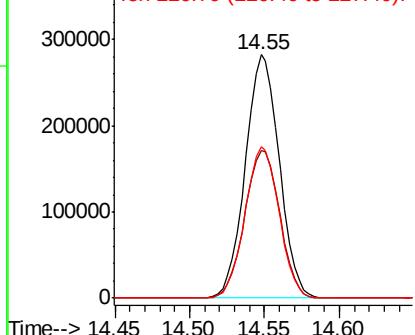
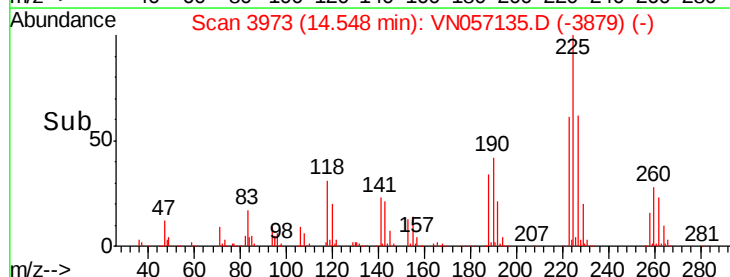


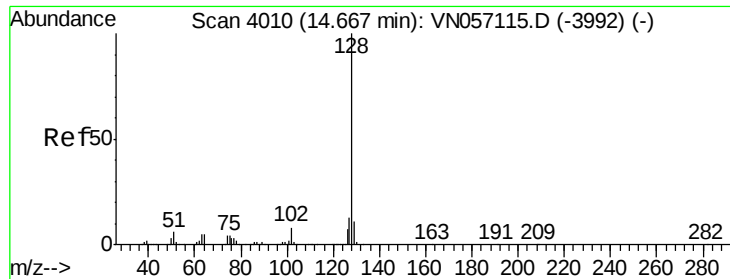
#94
 Hexachlorobutadiene
 Concen: 61.994 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	446262		
223	62.7	30.9	92.8	
227	62.2	32.4	97.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





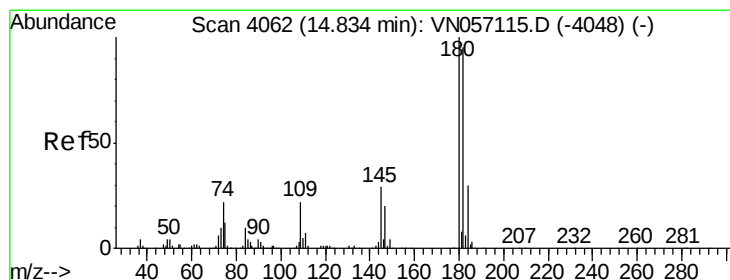
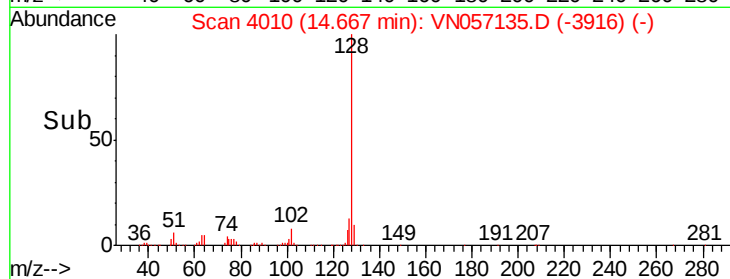
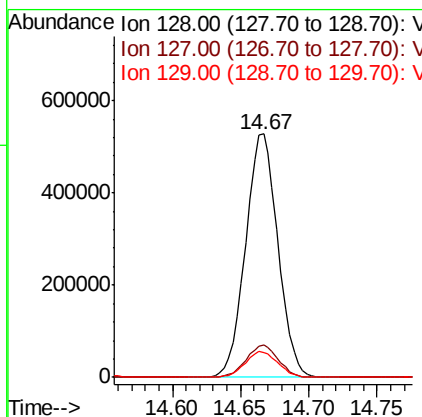
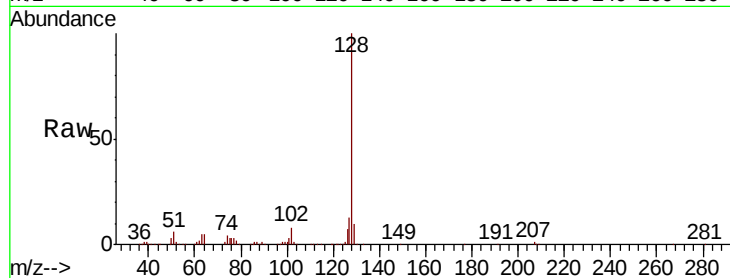
#95
Naphthalene
Concen: 49.027 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.919 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.3	144.8
145	29.7	14.9	44.5

