

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057162.D
 Acq On : 9 Aug 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:35:02 PM

Quant Time: Aug 10 08:26:15 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	1070793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1615976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1457312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	582913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	558019	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	6.99	113	515655	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	9.56	98	1933661	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.92	95	646981	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	391520	45.492	ug/l	97
3) Chloromethane	2.00	50	500648	43.782	ug/l	99
4) Vinyl Chloride	2.11	62	498970	46.944	ug/l	99
5) Bromomethane	2.43	94	349864	48.444	ug/l	99
6) Chloroethane	2.55	64	332151	48.720	ug/l	98
7) Trichlorofluoromethane	2.82	101	742543	48.602	ug/l	98
8) Diethyl Ether	3.14	74	293127	49.659	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.44	101	441960	47.719	ug/l	99
10) Methyl Iodide	3.63	142	716336	51.182	ug/l	100
11) Tert butyl alcohol	4.23	59	358029	228.466	ug/l	99
12) 1,1-Dichloroethene	3.43	96	451606	49.565	ug/l	99
13) Acrolein	3.31	56	210891	212.725	ug/l	100
14) Allyl chloride	3.91	41	627097	47.359	ug/l	97
15) Acrylonitrile	4.45	53	1074766	253.408	ug/l	99
16) Acetone	3.47	43	797152	239.692	ug/l	99
17) Carbon Disulfide	3.72	76	1167993	48.186	ug/l	98
18) Methyl Acetate	3.89	43	499435	50.408	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1406142	51.119	ug/l	100
20) Methylene Chloride	4.10	84	520525	47.424	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	484486	48.813	ug/l	97
22) Diisopropyl ether	5.32	45	1436693	49.743	ug/l	97
23) Vinyl Acetate	5.26	43	5661619	255.987	ug/l	100
24) 1,1-Dichloroethane	5.25	63	874560	49.258	ug/l	98
25) 2-Butanone	6.20	43	1293775	254.619	ug/l	99
26) 2,2-Dichloropropane	6.21	77	546253	42.289	ug/l	98
27) cis-1,2-Dichloroethene	6.21	96	569490	50.084	ug/l	99
28) Bromochloromethane	6.59	49	378013	46.288	ug/l	100
29) Tetrahydrofuran	6.60	42	862551	251.993	ug/l	99
30) Chloroform	6.76	83	894013	48.650	ug/l	99
31) Cyclohexane	7.07	56	743232	46.529	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	781315	50.684	ug/l	99
36) 1,1-Dichloropropene	7.20	75	659536	49.570	ug/l	99
37) Ethyl Acetate	6.28	43	542335	49.447	ug/l #	99
38) Carbon Tetrachloride	7.19	117	692982	49.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	771231	47.665	ug/l	98
40) Benzene	7.46	78	2048964	48.645	ug/l	100
41) Methacrylonitrile	6.55	41	278838	50.049	ug/l	97
42) 1,2-Dichloroethane	7.54	62	658454	49.017	ug/l	99
43) Isopropyl Acetate	7.56	43	927984	49.579	ug/l	100
44) Trichloroethene	8.27	130	575416	48.762	ug/l	99
45) 1,2-Dichloropropane	8.56	63	538911	49.414	ug/l	98
46) Dibromomethane	8.65	93	345333	49.384	ug/l	98
47) Bromodichloromethane	8.85	83	702309	51.905	ug/l	99
48) Methyl methacrylate	8.64	41	428868	48.592	ug/l	98
49) 1,4-Dioxane	8.64	88	178611	993.627	ug/l	99
51) 4-Methyl-2-Pentanone	9.45	43	2695501	247.446	ug/l	100
52) Toluene	9.63	92	1298837	49.678	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	718641	50.840	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	816761	50.356	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	511870	49.787	ug/l	99
56) Ethyl methacrylate	9.90	69	741219	51.490	ug/l	98
57) 1,3-Dichloropropane	10.19	76	836897	49.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	1116283	197.385	ug/l	98
59) 2-Hexanone	10.24	43	1900718	257.813	ug/l	99
60) Dibromochloromethane	10.39	129	575215	53.271	ug/l	99
61) 1,2-Dibromoethane	10.50	107	526160	49.594	ug/l	99
64) Tetrachloroethene	10.11	164	603824	49.822	ug/l	98
65) Chlorobenzene	10.93	112	1416584	48.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	548812	50.063	ug/l	100
67) Ethyl Benzene	11.01	91	2461466	48.774	ug/l	99
68) m/p-Xylenes	11.13	106	1843854	99.174	ug/l	99
69) o-Xylene	11.46	106	897988	48.530	ug/l	99
70) Styrene	11.47	104	1494933	51.725	ug/l	99
71) Bromoform	11.64	173	426309	53.089	ug/l #	100
73) Isopropylbenzene	11.76	105	2434943	51.358	ug/l	100
74) N-amyl acetate	11.58	43	704608	47.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	687547	54.464	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	545032m	47.775	ug/l	
77) Bromobenzene	12.04	156	644664	46.012	ug/l	98
78) n-propylbenzene	12.11	91	2568786	45.935	ug/l	100
79) 2-Chlorotoluene	12.20	91	1572528	50.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	2026865	45.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	188365	47.513	ug/l	98
82) 4-Chlorotoluene	12.30	91	1484166	45.836	ug/l	100
83) tert-Butylbenzene	12.52	119	1821798	51.412	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	1932434	44.426	ug/l	100
85) sec-Butylbenzene	12.70	105	2247723	44.259	ug/l	98
86) p-Isopropyltoluene	12.82	119	1994506	44.756	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	968244	48.541	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	921629	48.765	ug/l	100
89) n-Butylbenzene	13.15	91	1402259	45.545	ug/l	99
90) Hexachloroethane	13.41	117	369084	52.143	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	963537	48.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	94498	46.117	ug/l	98

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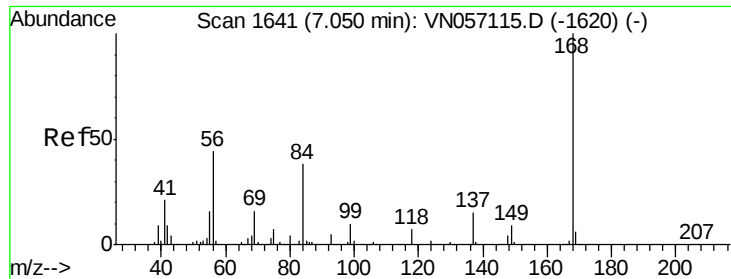
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	373153	44.862	ug/l	99
94) Hexachlorobutadiene	14.55	225	377333	54.629	ug/l	98
95) Naphthalene	14.67	128	706501	43.174	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	353607	41.561	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1070793

Ion Ratio Lower Upper

168 100

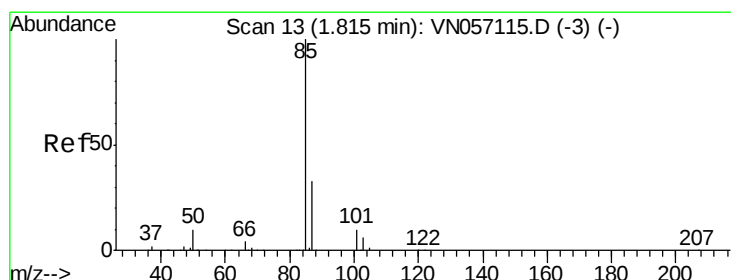
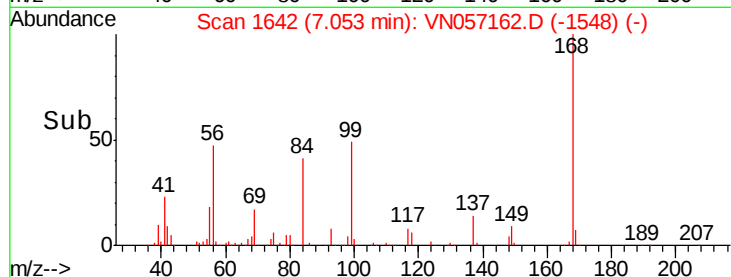
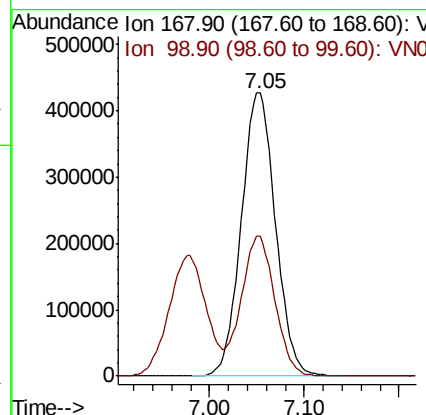
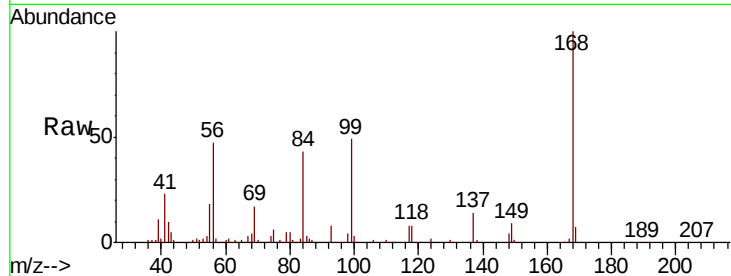
99 49.3 38.6 57.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.492 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057162.D

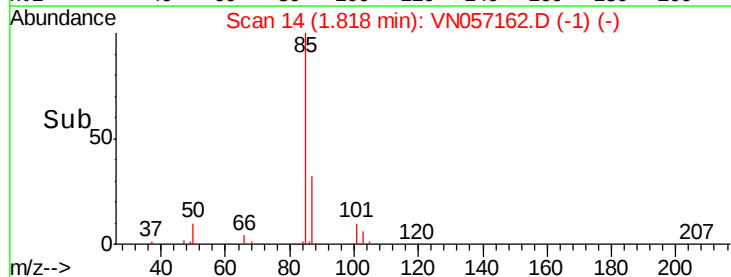
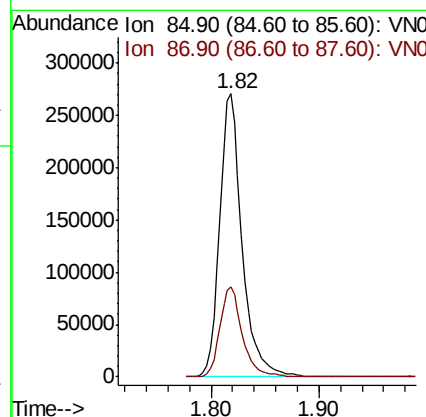
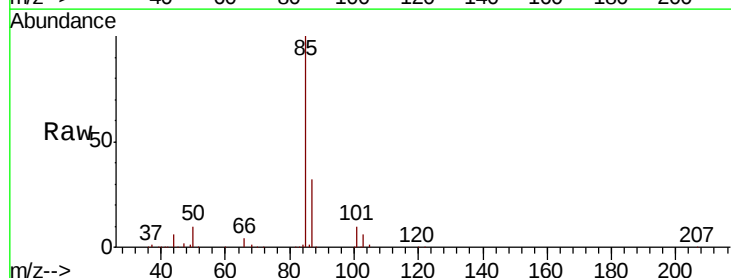
Acq: 9 Aug 2019 21:36

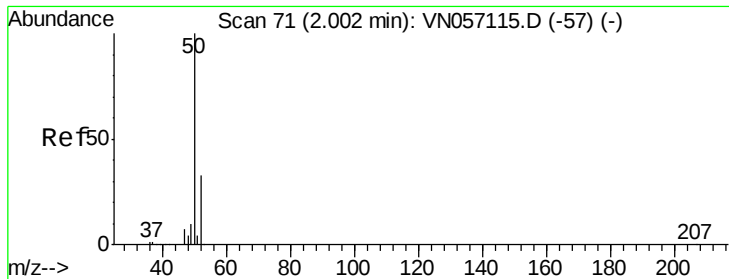
Tgt Ion: 85 Resp: 391520

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.0





#3

Chloromethane

Concen: 43.782 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 500648

Ion Ratio Lower Upper

50 100

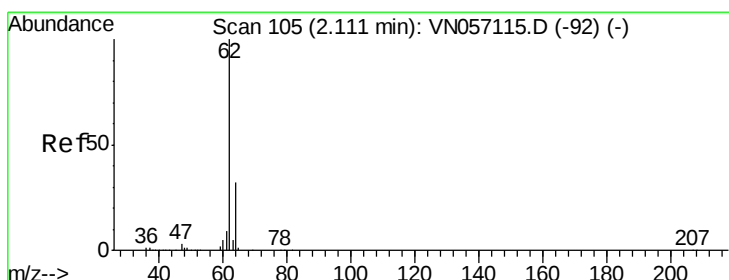
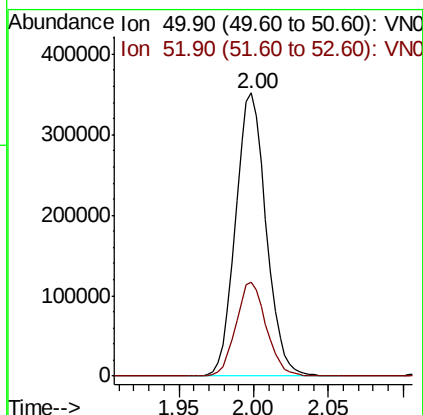
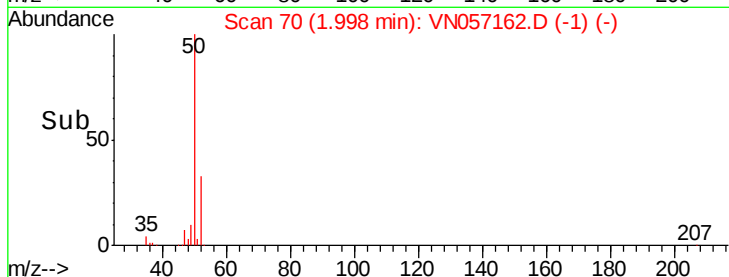
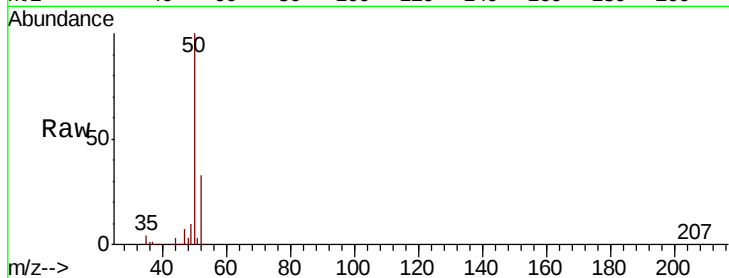
52 33.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.944 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057162.D

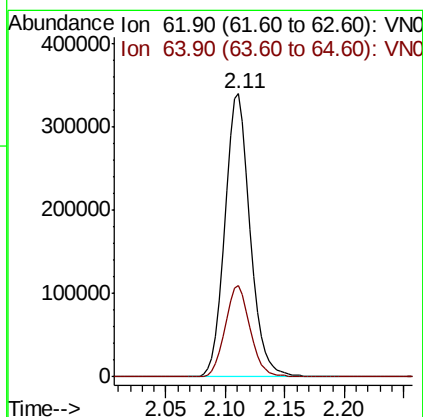
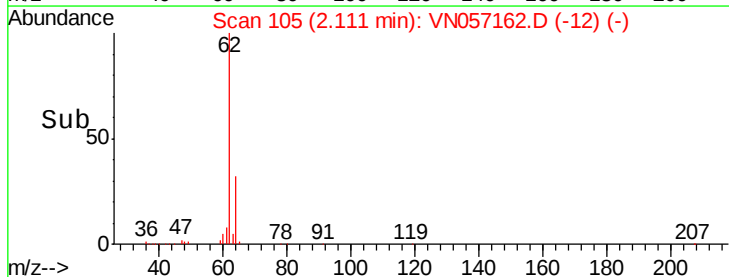
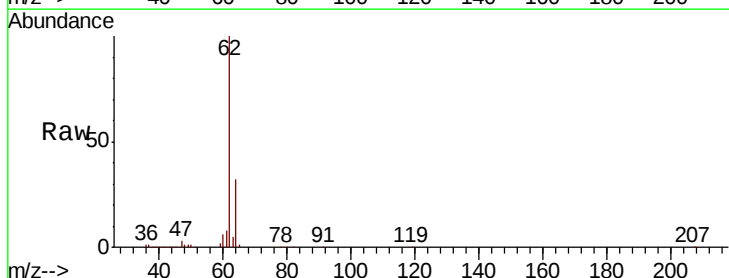
Acq: 9 Aug 2019 21:36

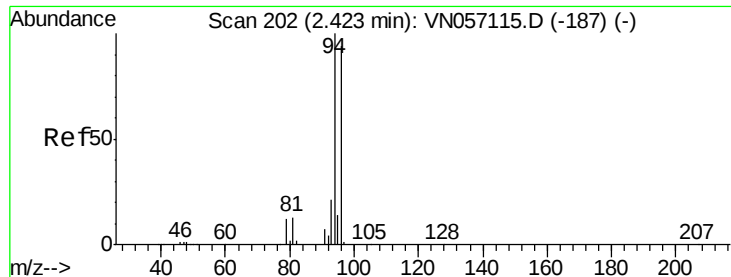
Tgt Ion: 62 Resp: 498970

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





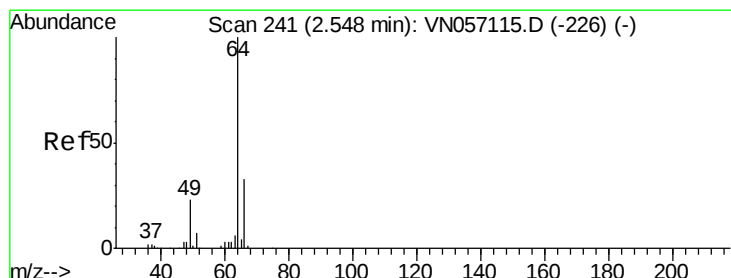
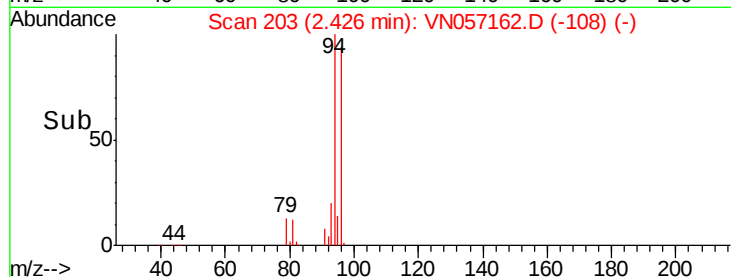
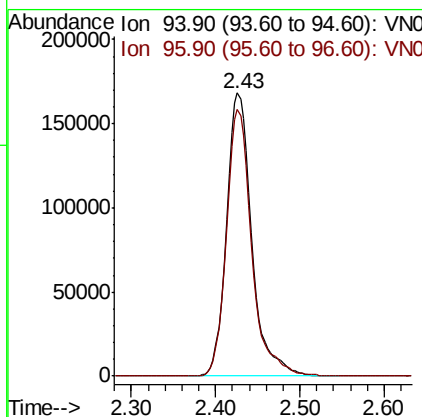
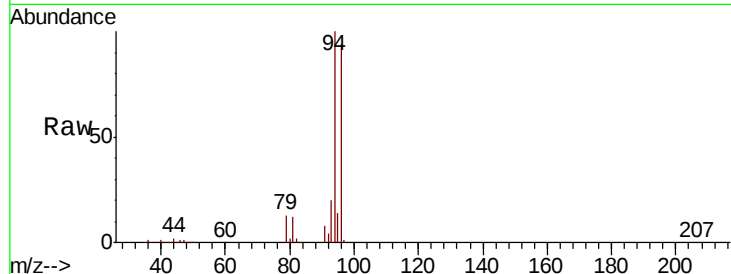
#5
 Bromomethane
 Concen: 48.444 ug/l
 RT: 2.43 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
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Tot Ion	Ratio	Lower	Upper
94	100		
96	94.3	75.0	112.4

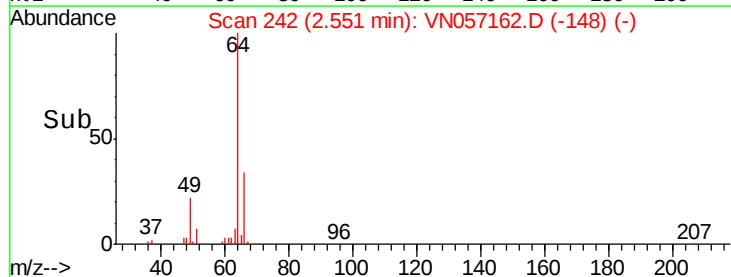
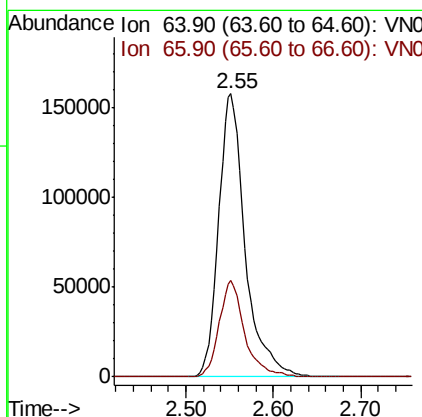
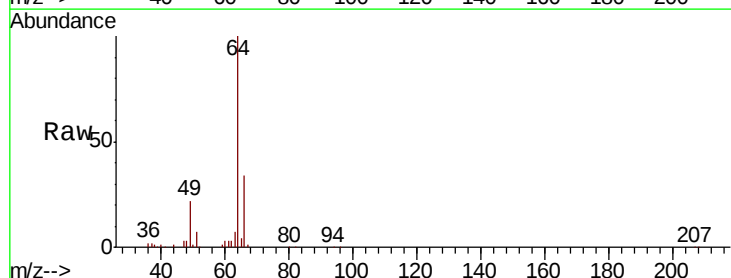
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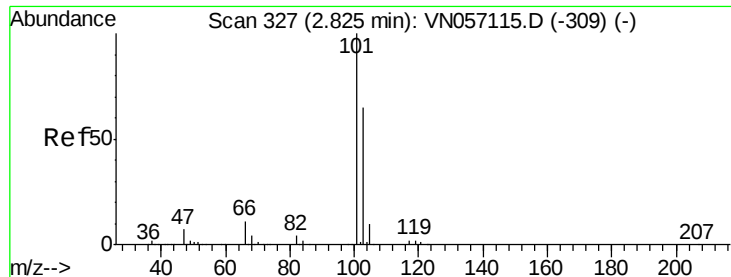
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#6
 Chloroethane
 Concen: 48.720 ug/l
 RT: 2.55 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
64	100		
66	34.0	26.2	39.4





#7

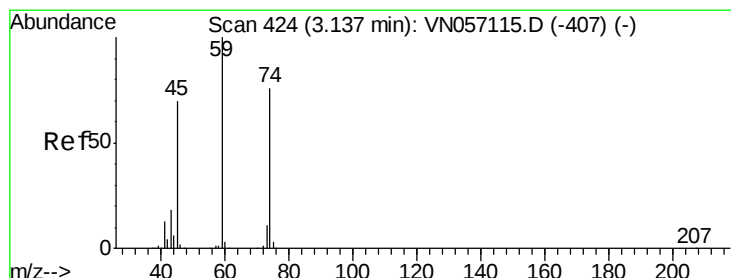
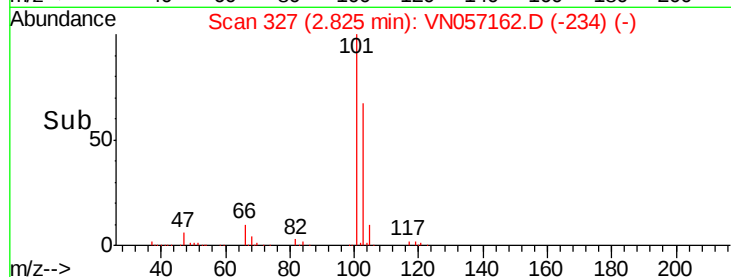
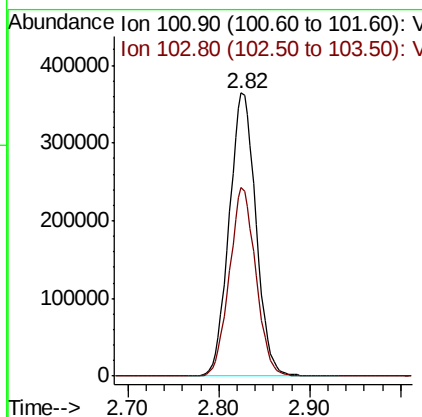
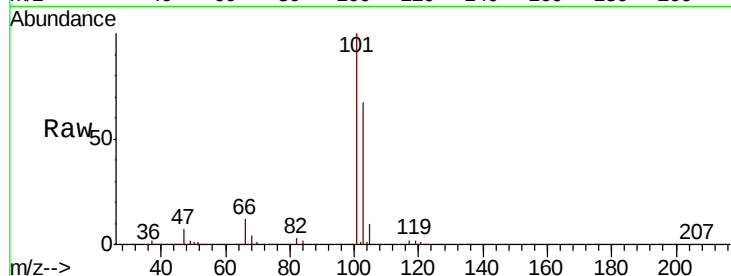
Trichlorofluoromethane
 Concen: 48.602 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.2	78.4

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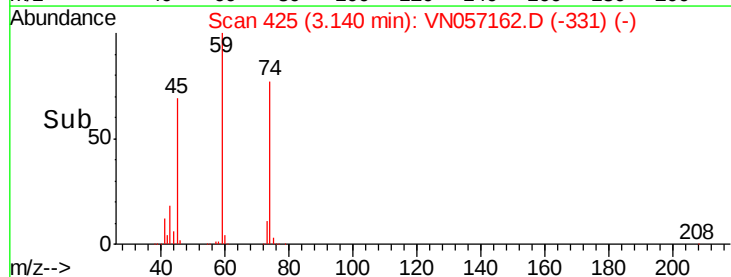
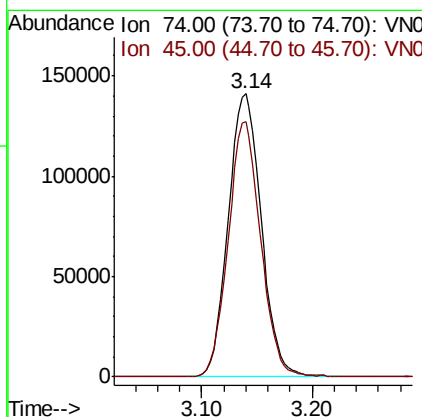
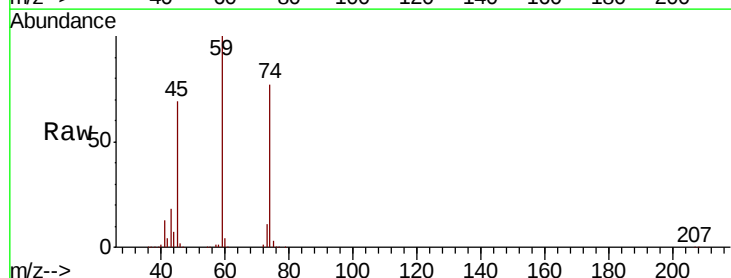
MMDadoda
 8/12/2019 3:35:02 PM

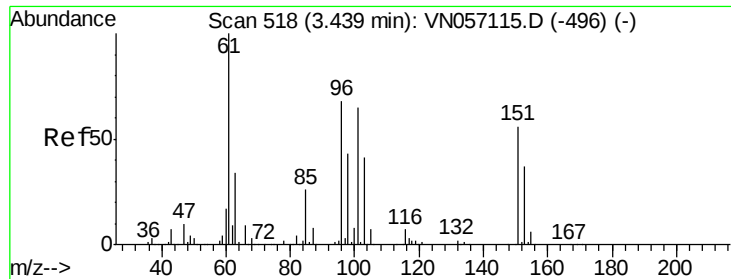


#8

Diethyl Ether
 Concen: 49.659 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.719 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

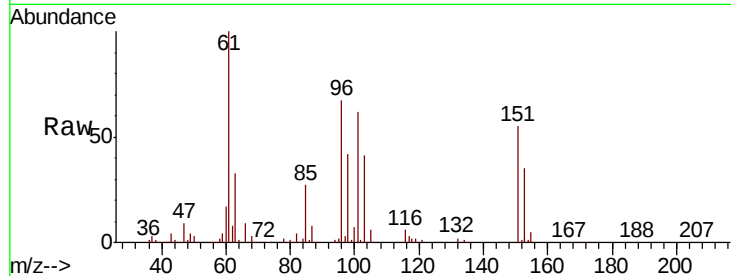
ClientSampleId :

VSTDCCC050EC

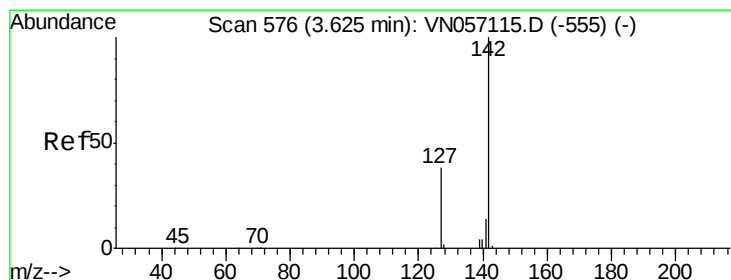
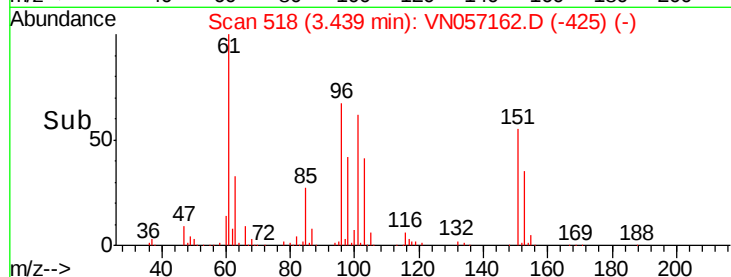
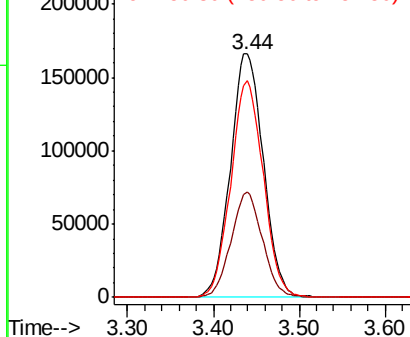
Tot Ion:	101	Resp:	441960
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.3	48.5
151	87.5	69.4	104.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.182 ug/l

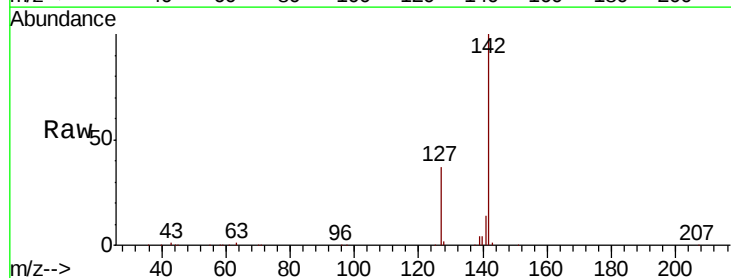
RT: 3.63 min Scan# 576

Delta R.T. -0.00 min

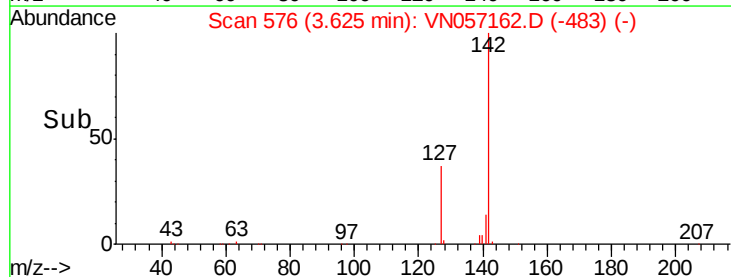
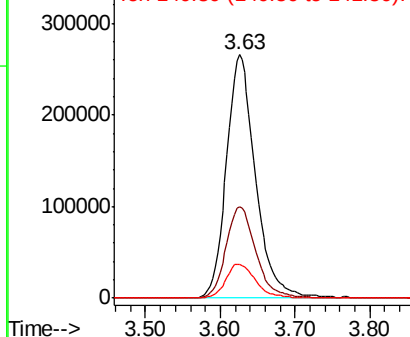
Lab File: VN057162.D

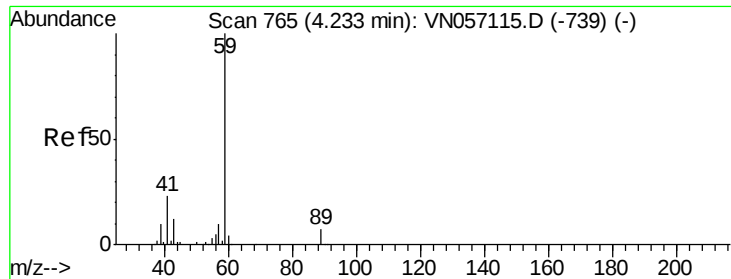
Acq: 9 Aug 2019 21:36

Tgt Ion:	142	Resp:	716336
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.6
141	14.3	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

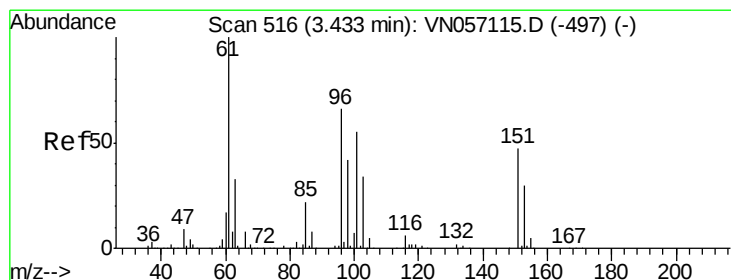
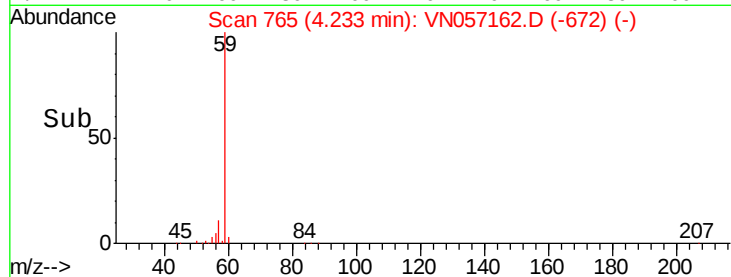
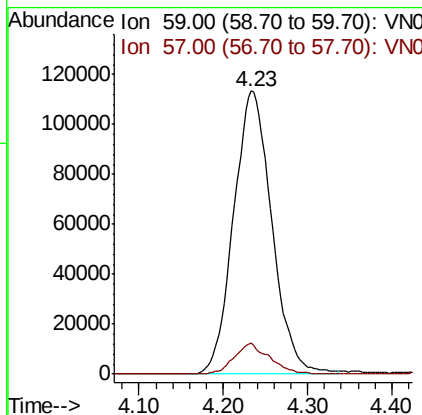
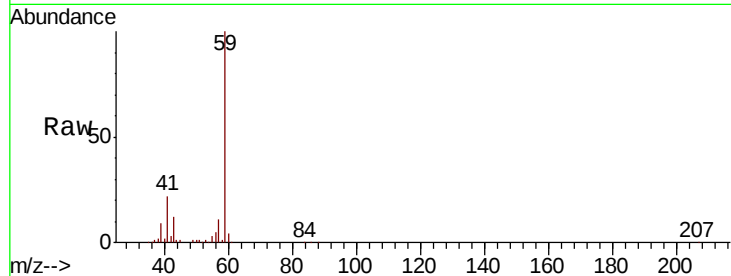
Tert butyl alcohol
 Concen: 228.466 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

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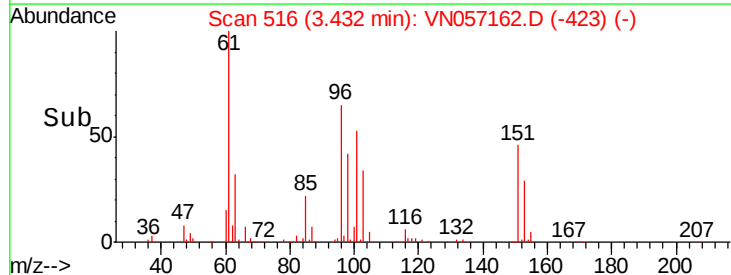
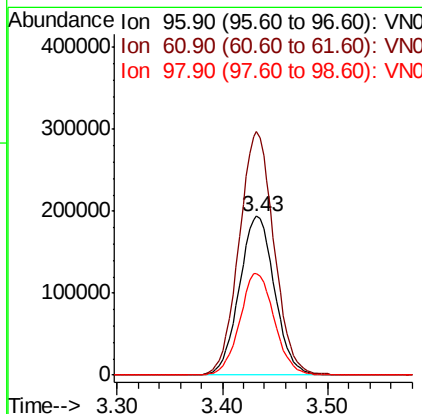
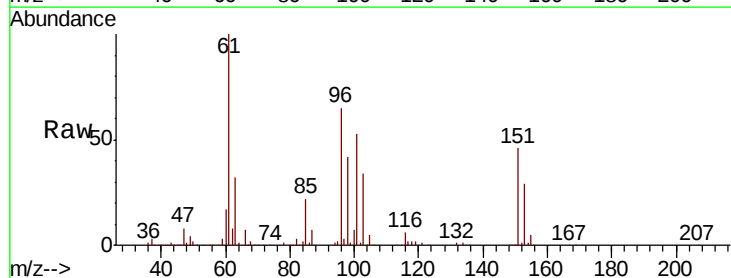
MMDadoda
 8/12/2019 3:35:02 PM

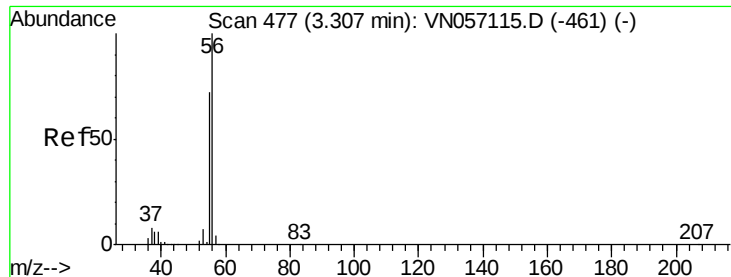


#12

1,1-Dichloroethene
 Concen: 49.565 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	121.0	181.6
98	64.3	50.8	76.2





#13

Acrolein

Concen: 212.725 ug/l

RT: 3.31 min Scan# 478

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 210891

Ion Ratio Lower Upper

56 100

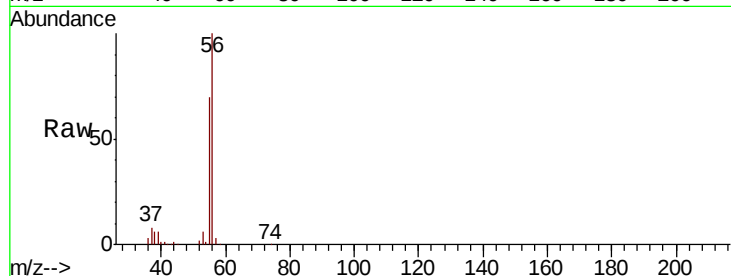
55 72.3 57.7 86.5

Manual Integrations

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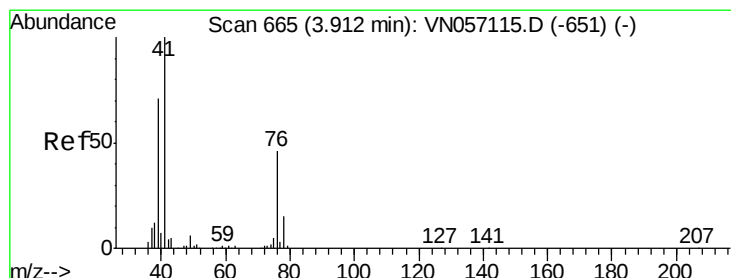
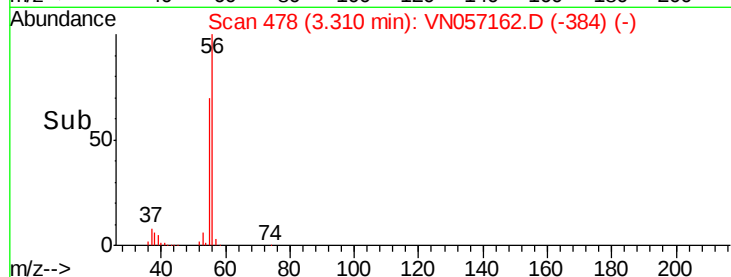
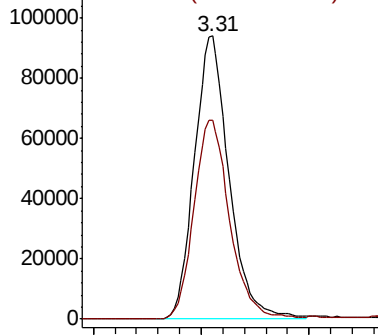
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.359 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

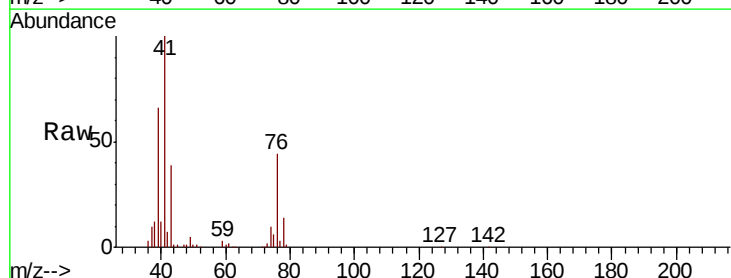
Tgt Ion: 41 Resp: 627097

Ion Ratio Lower Upper

41 100

39 66.6 51.1 76.7

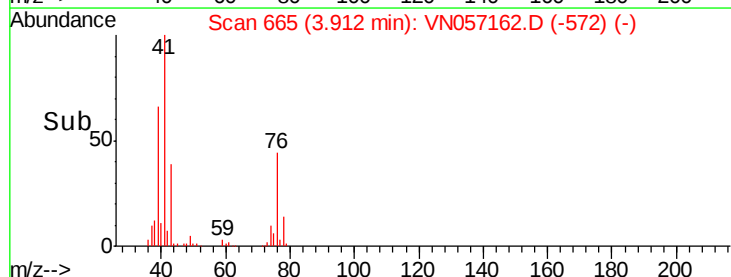
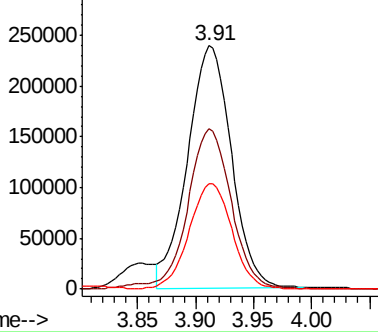
76 41.8 32.8 49.2

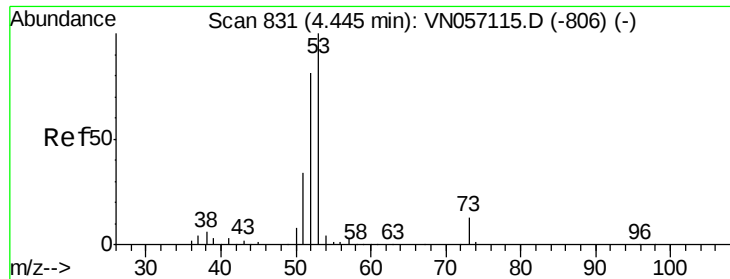


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 253.408 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1074766

Ion Ratio Lower Upper

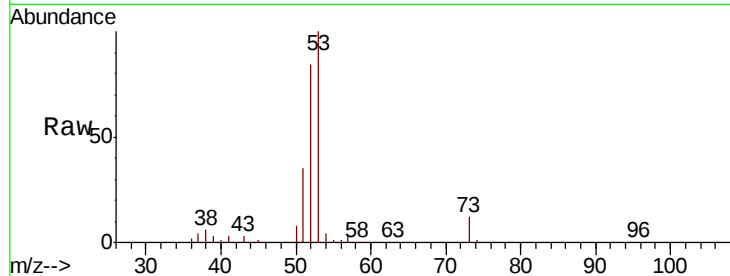
53 100

52 82.0 64.9 97.3

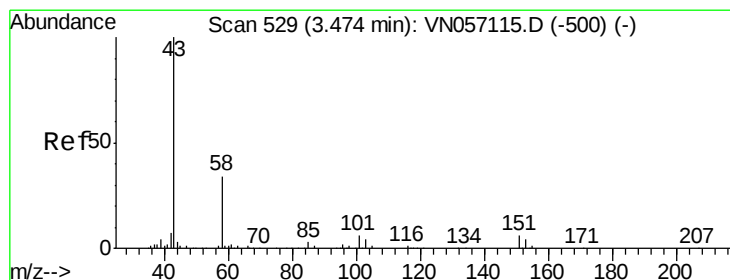
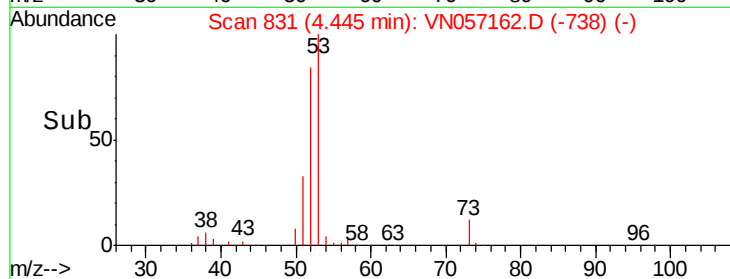
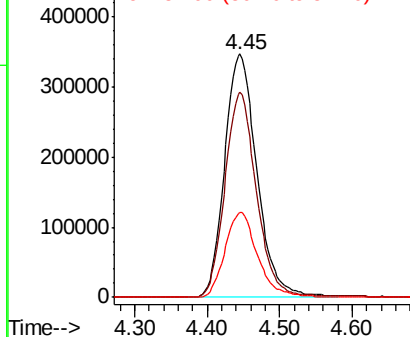
51 35.3 27.8 41.6

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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: 239.692 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057162.D

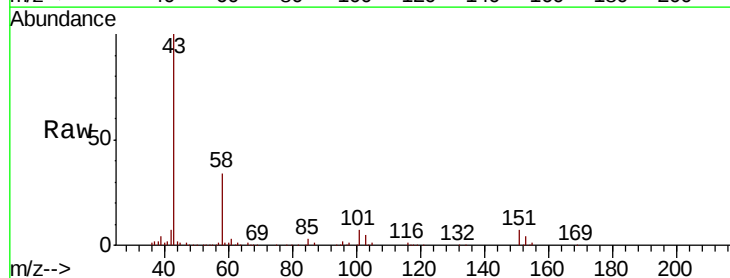
Acq: 9 Aug 2019 21:36

Tgt Ion: 43 Resp: 797152

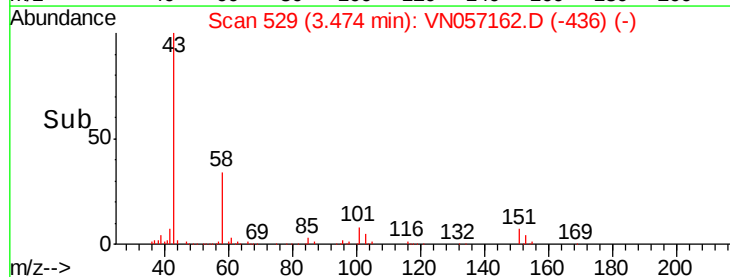
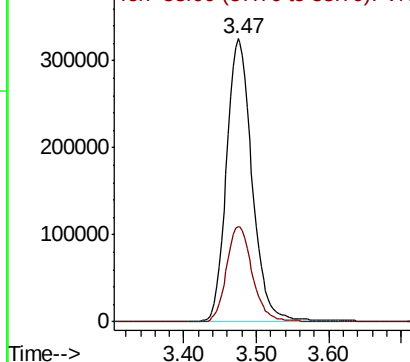
Ion Ratio Lower Upper

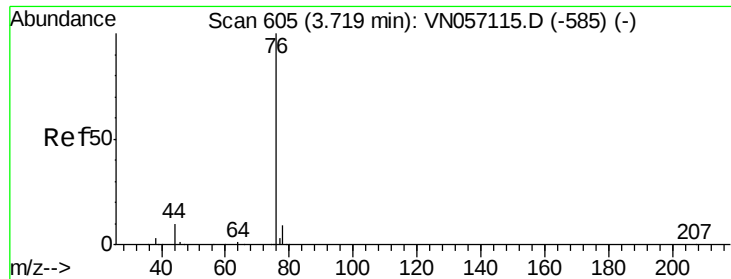
43 100

58 33.9 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: 48.186 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1167993

Ion Ratio Lower Upper

76 100

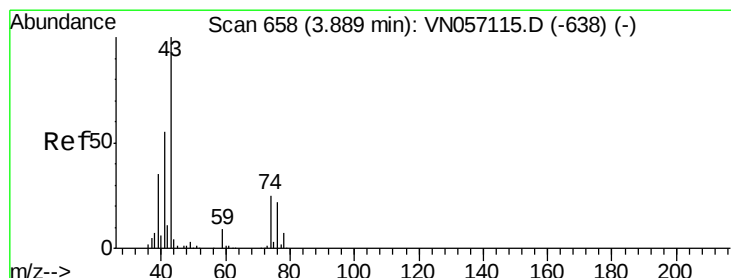
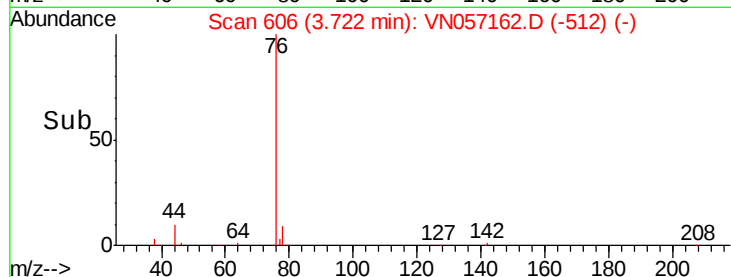
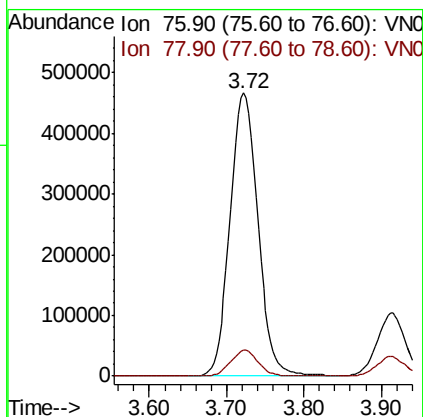
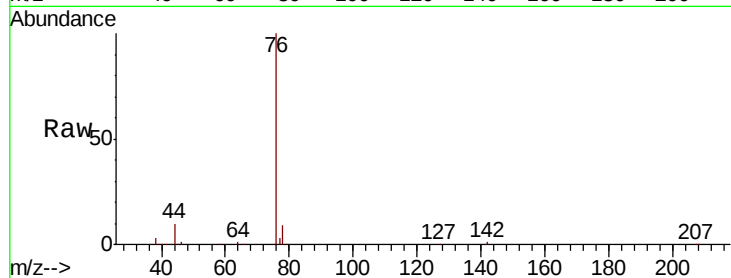
78 9.4 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 50.408 ug/l

RT: 3.89 min Scan# 658

Delta R.T. 0.00 min

Lab File: VN057162.D

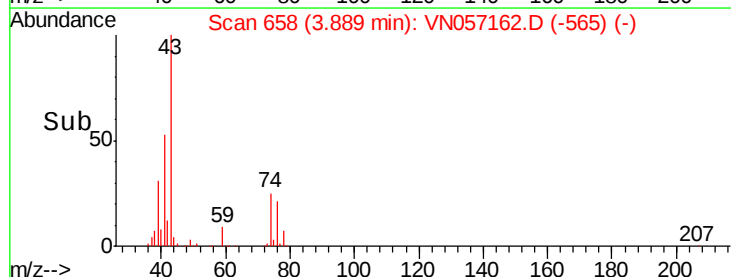
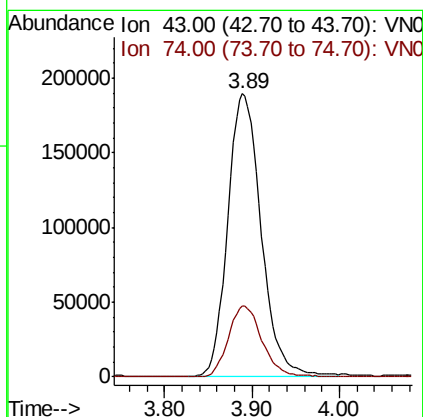
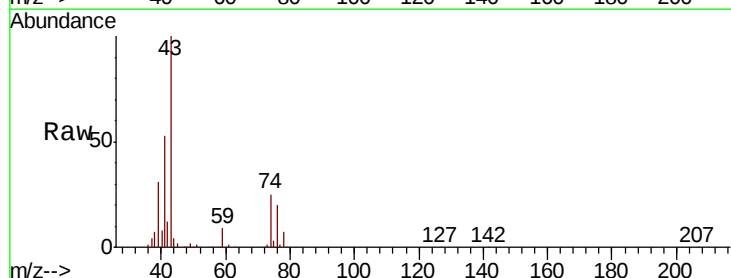
Acq: 9 Aug 2019 21:36

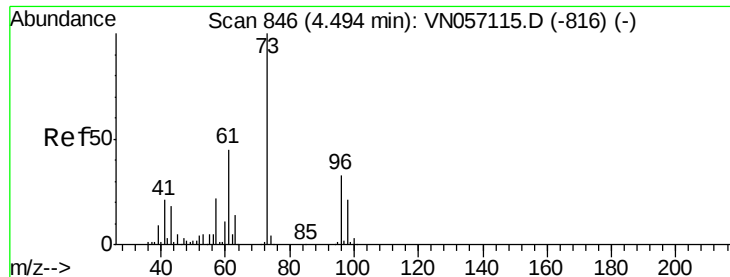
Tgt Ion: 43 Resp: 499435

Ion Ratio Lower Upper

43 100

74 25.4 20.2 30.4





#19

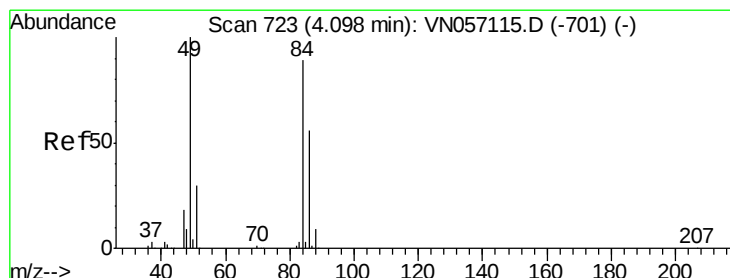
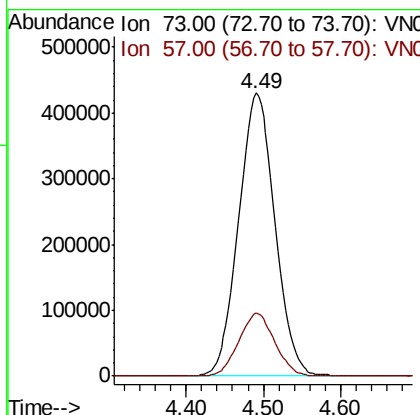
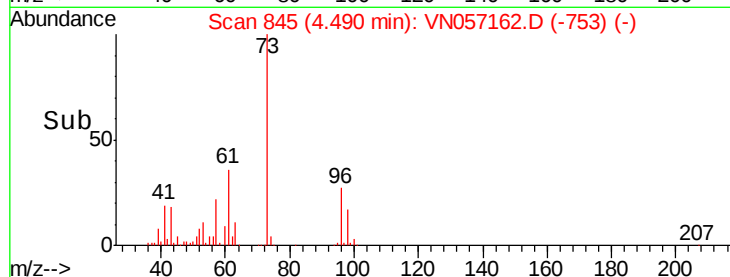
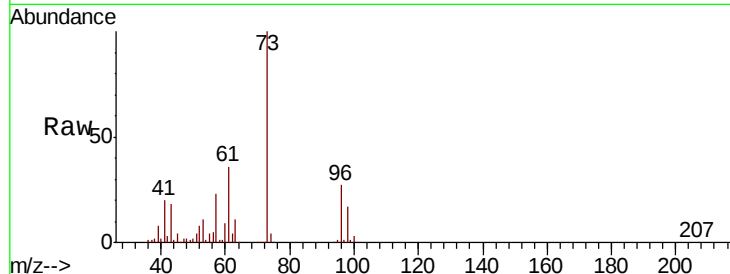
Methyl tert-butyl Ether
 Concen: 51.119 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 1406142
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.0 27.0

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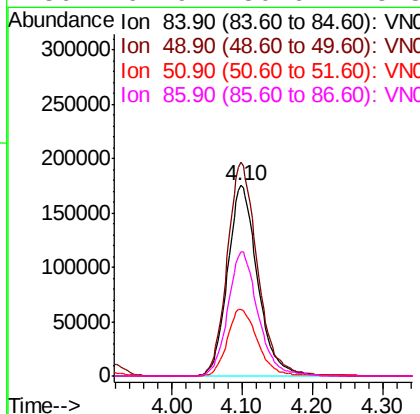
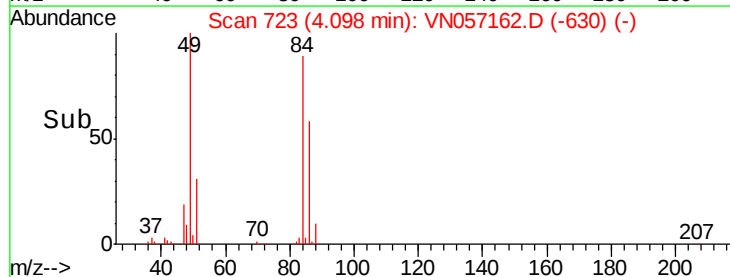
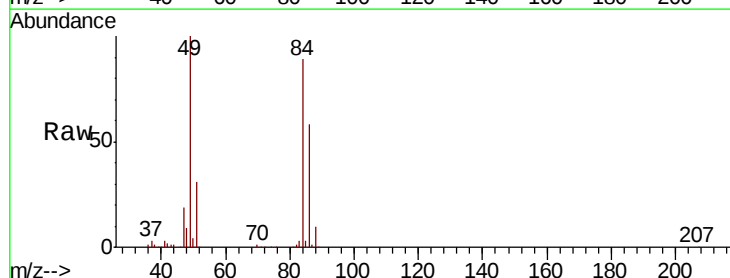
MMDadoda
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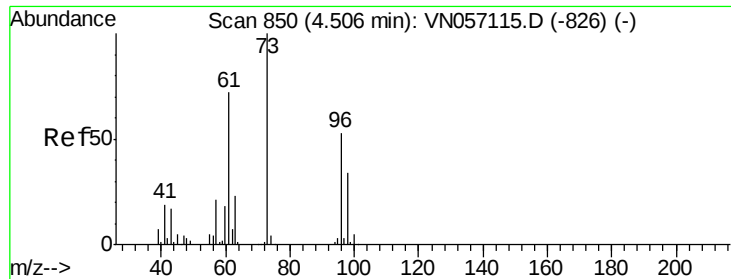


#20

Methylene Chloride
 Concen: 47.424 ug/l
 RT: 4.10 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion: 84 Resp: 520525
 Ion Ratio Lower Upper
 84 100
 49 112.1 89.5 134.3
 51 35.1 27.2 40.8
 86 64.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.813 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

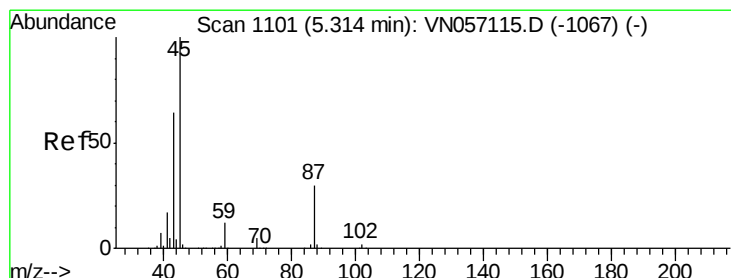
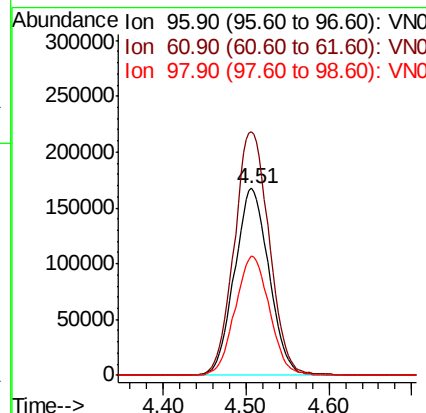
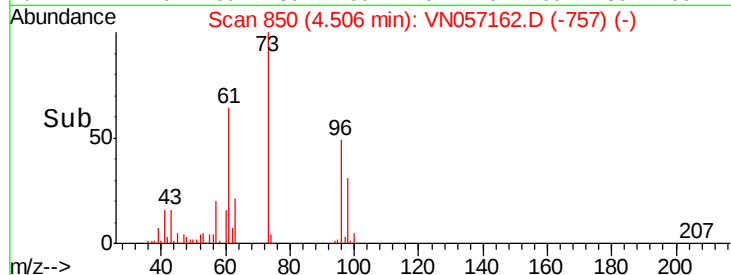
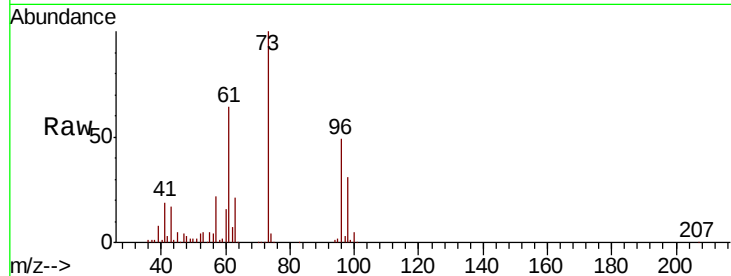
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	484486
Ion	Ratio	Lower	Upper
96	100		
61	130.0	108.1	162.1
98	63.5	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.743 ug/l

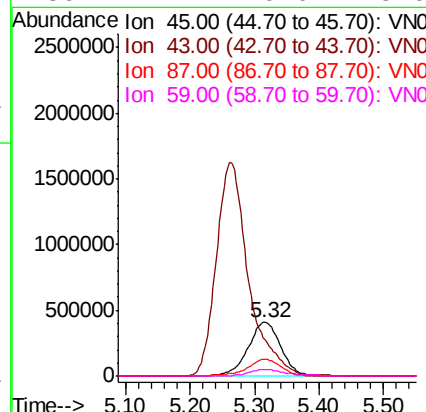
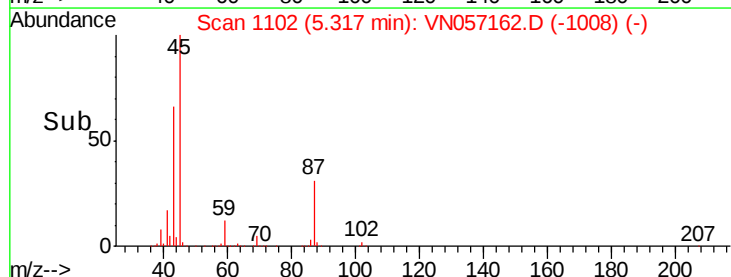
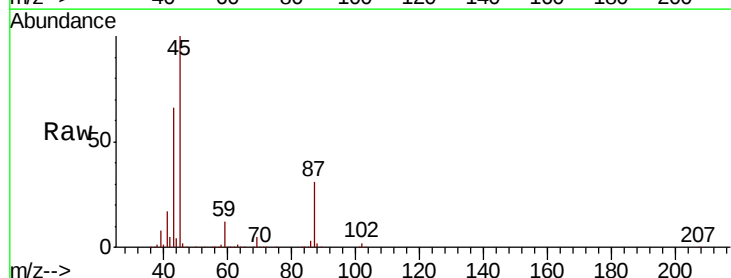
RT: 5.32 min Scan# 1102

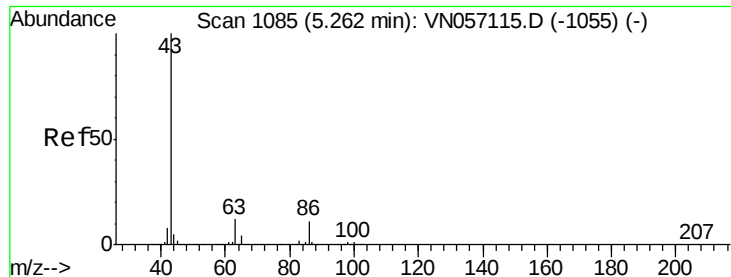
Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:	45	Resp:	1436693
Ion	Ratio	Lower	Upper
45	100		
43	64.7	54.1	81.1
87	31.1	24.0	36.0
59	12.2	10.0	15.0





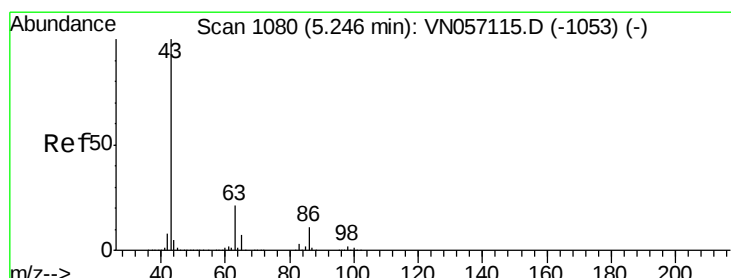
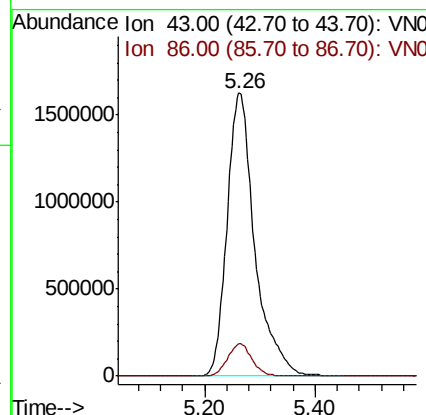
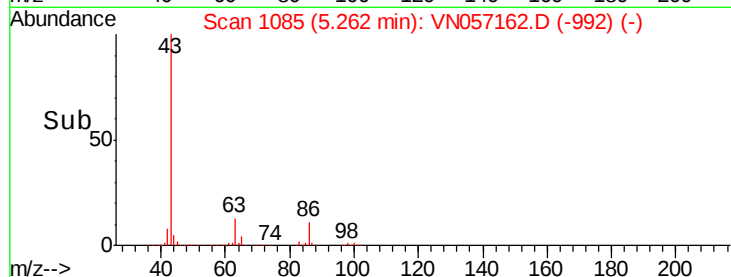
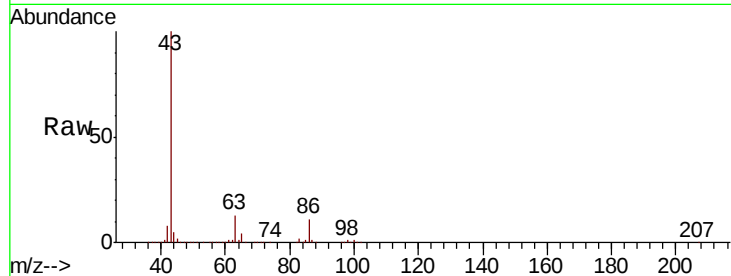
#23
 Vinyl Acetate
 Concen: 255.987 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 5661619
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

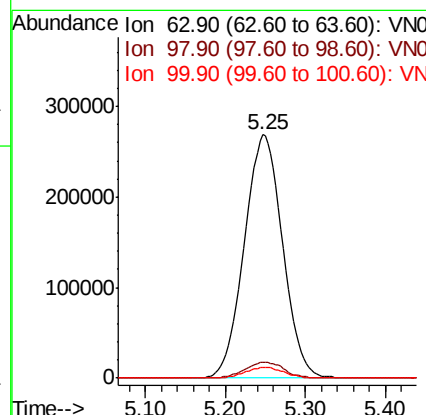
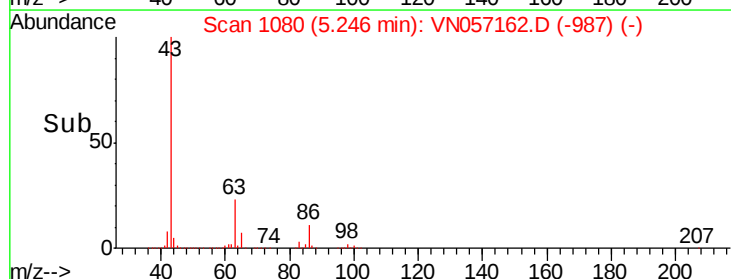
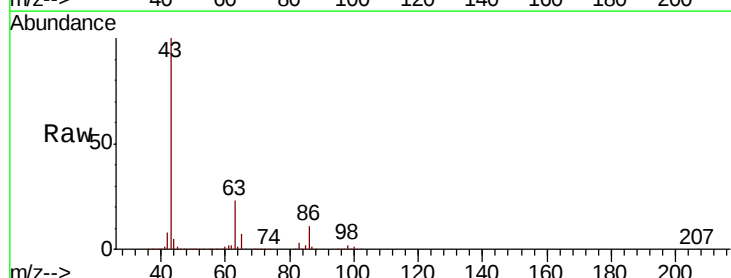
Manual Integrations
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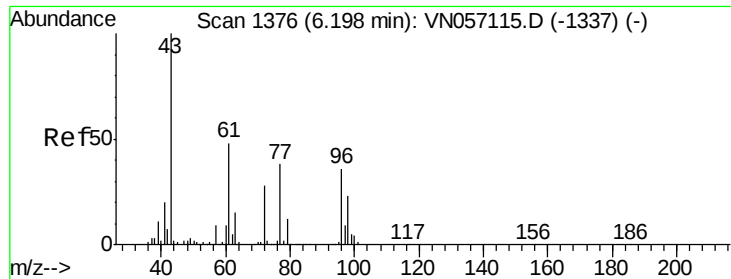
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#24
 1,1-Dichloroethane
 Concen: 49.258 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion: 63 Resp: 874560
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.8 11.2
 100 4.3 2.1 6.3





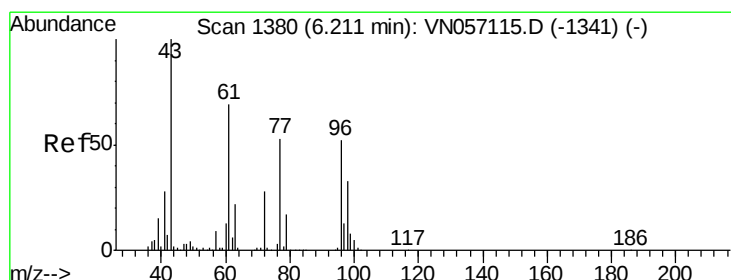
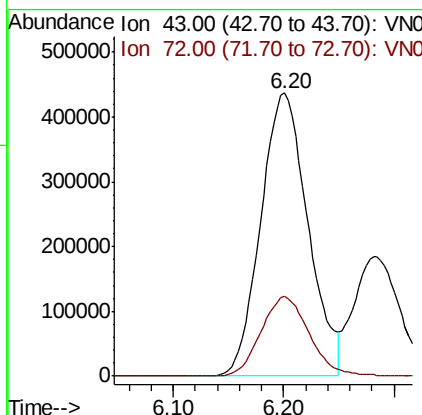
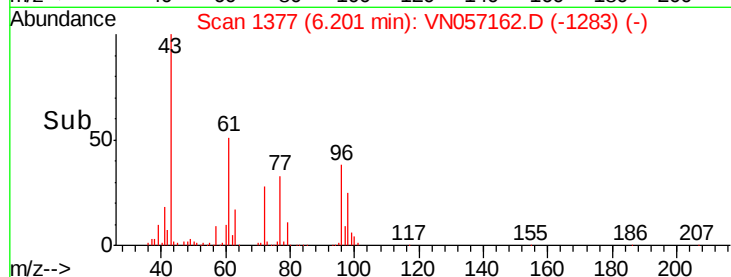
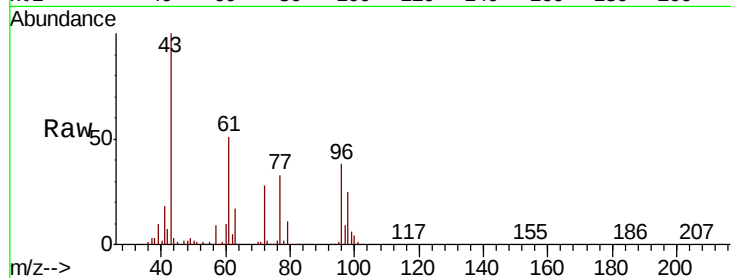
#25
2-Butanone
Concen: 254.619 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1293775
Ion Ratio Lower Upper
43 100
72 28.2 22.2 33.4

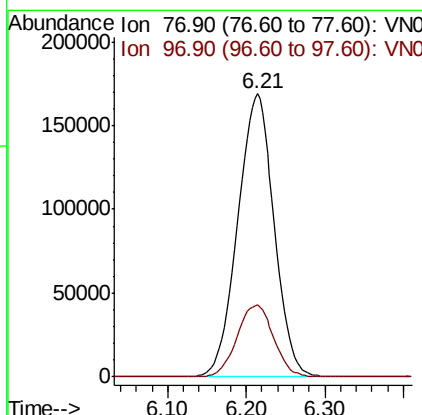
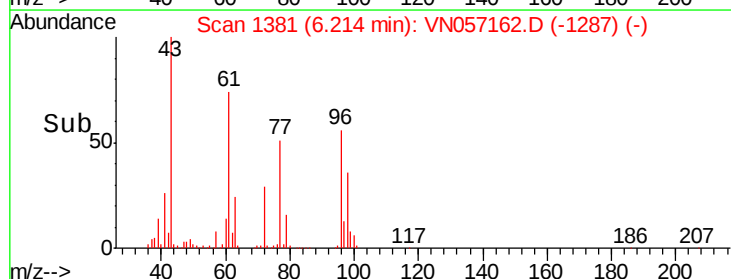
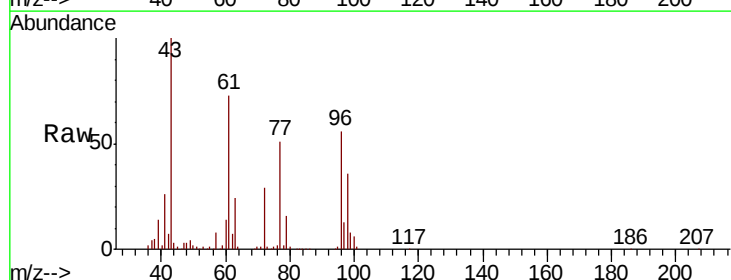
Manual Integrations
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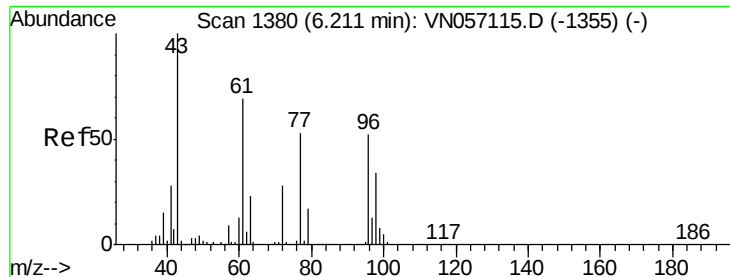
MMDadoda
8/12/2019 3:35:02 PM



#26
2,2-Dichloropropane
Concen: 42.289 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion: 77 Resp: 546253
Ion Ratio Lower Upper
77 100
97 25.6 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 50.084 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

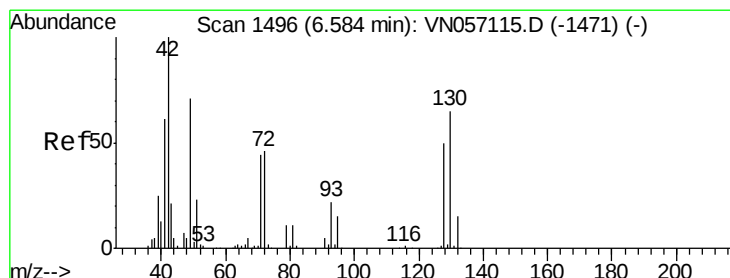
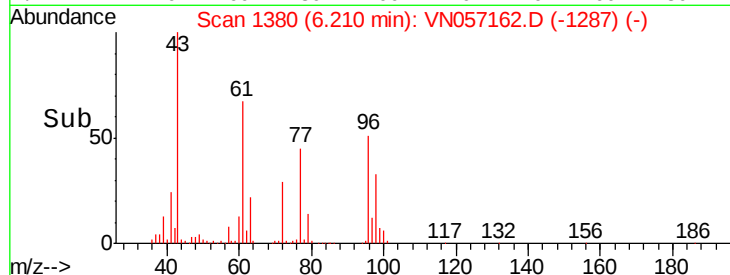
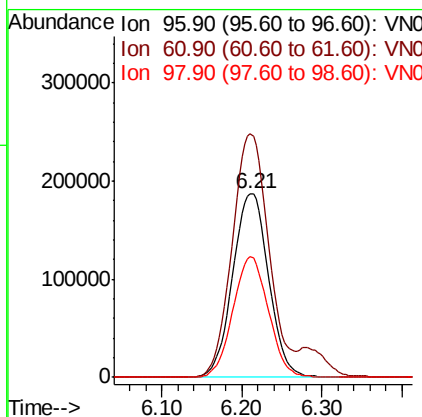
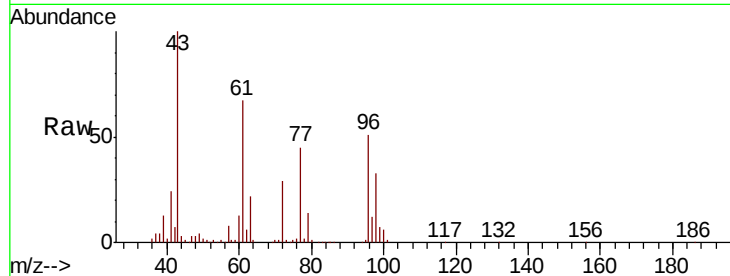
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	569490
Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	273.4
98	64.7	0.0	130.4

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8/12/2019 3:35:02 PM



#28

Bromochloromethane

Concen: 46.288 ug/l

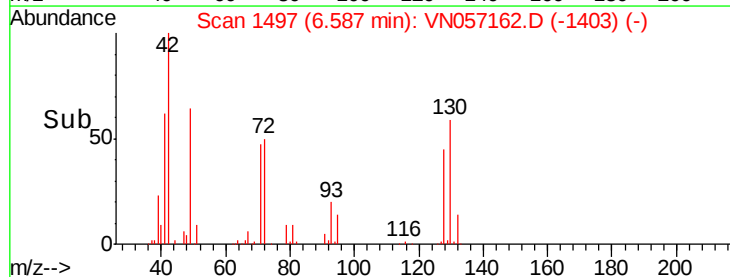
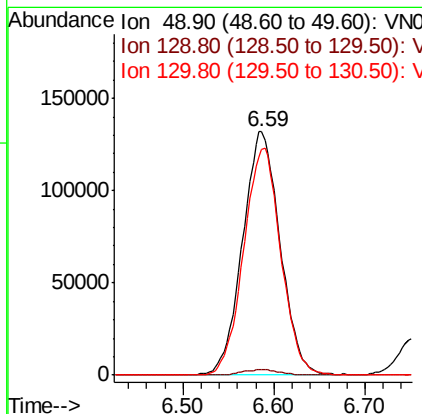
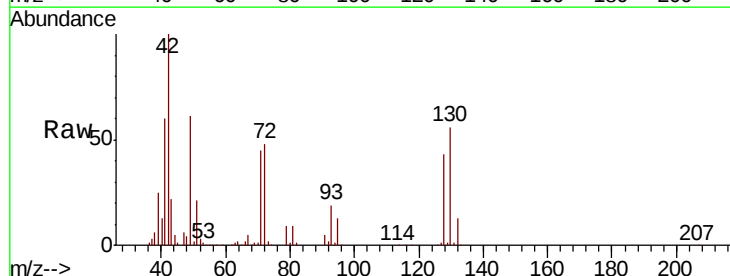
RT: 6.59 min Scan# 1497

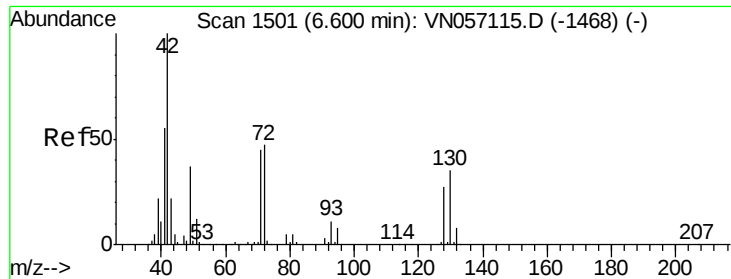
Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:	49	Resp:	378013
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	92.4	73.8	110.8





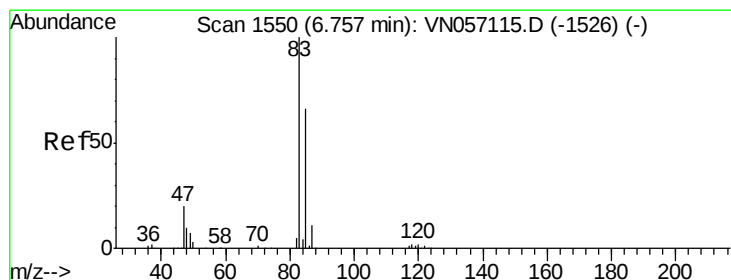
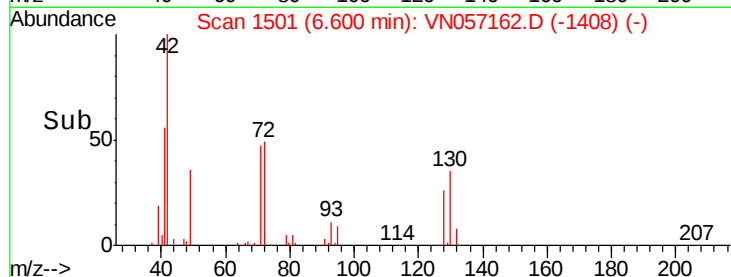
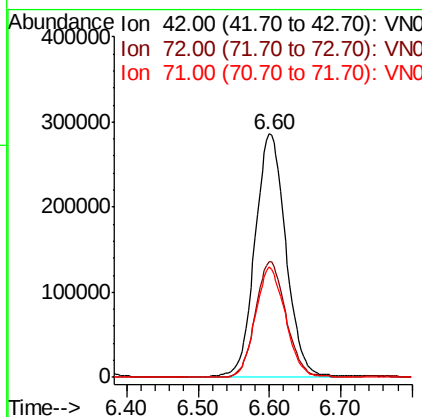
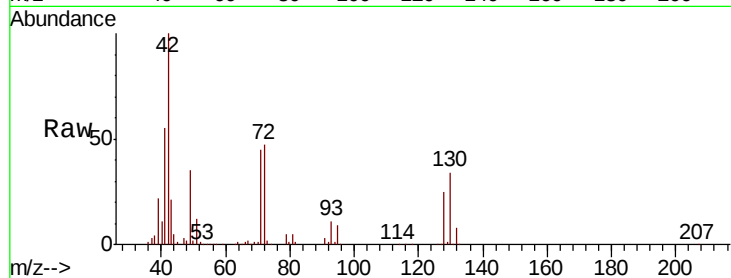
#29
Tetrahydrofuran
Concen: 251.993 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.1	55.7
71	43.9	34.8	52.2

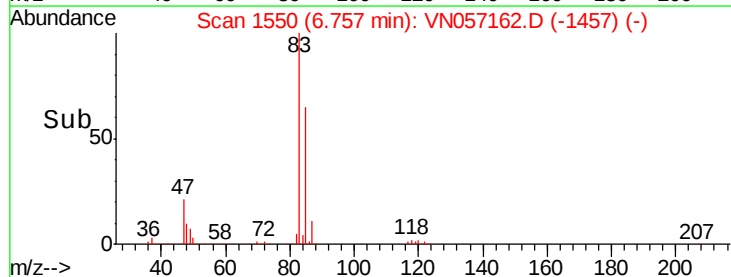
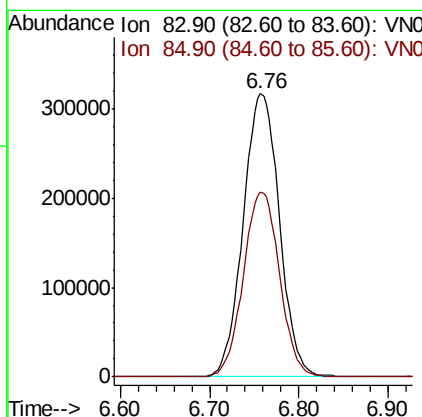
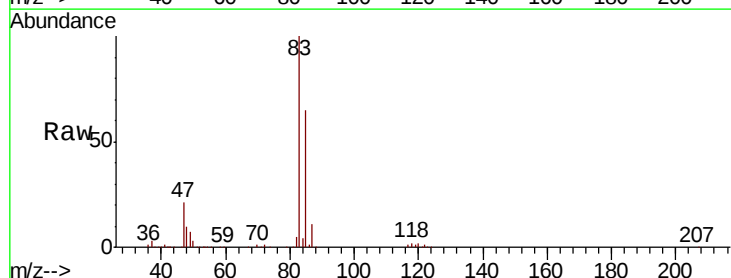
Manual Integrations
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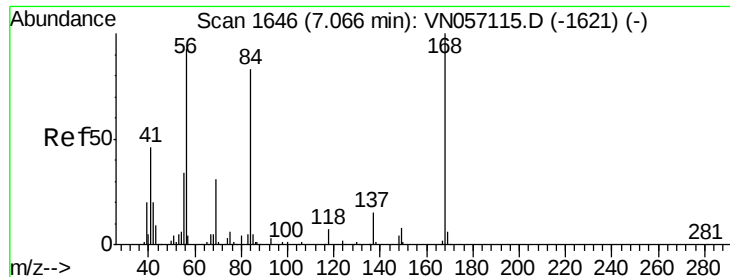
MMDadoda
8/12/2019 3:35:02 PM



#30
Chloroform
Concen: 48.650 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





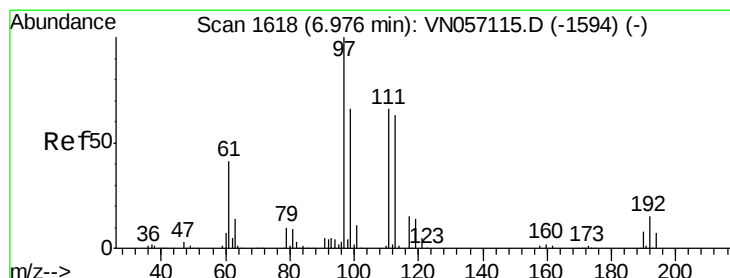
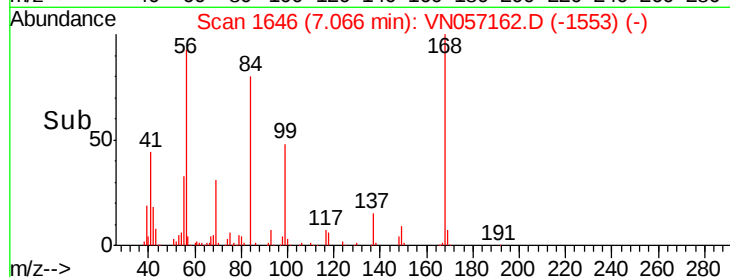
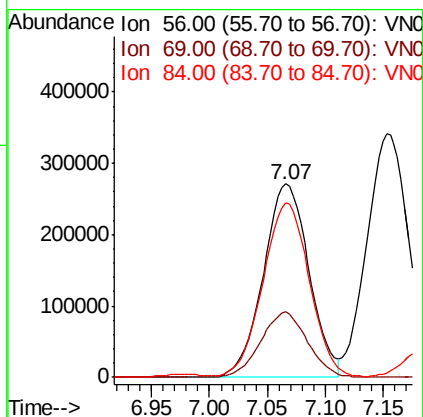
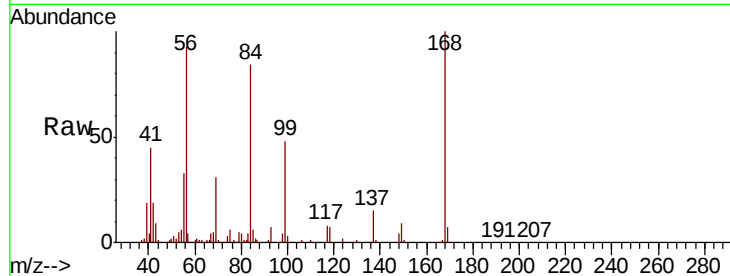
#31
Cyclohexane
Concen: 46.529 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.9	40.3
84	88.9	71.9	107.9

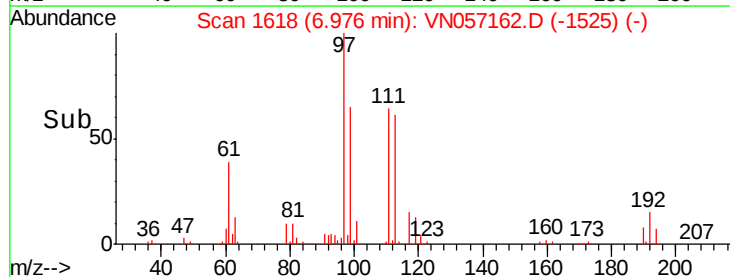
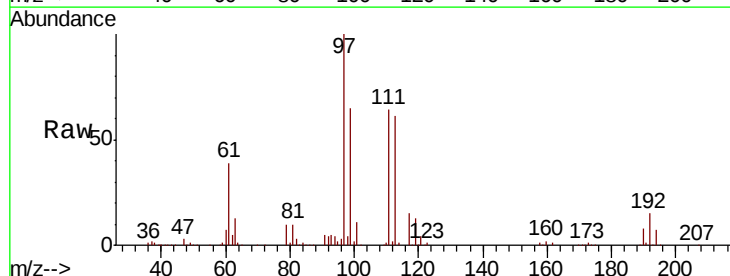
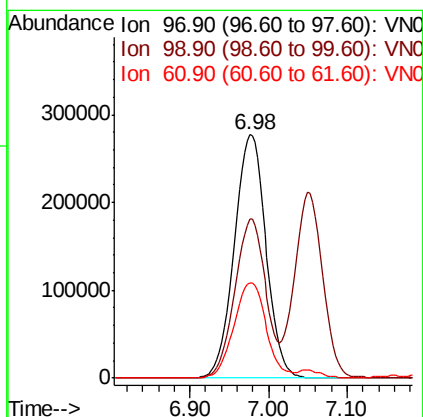
Manual Integrations
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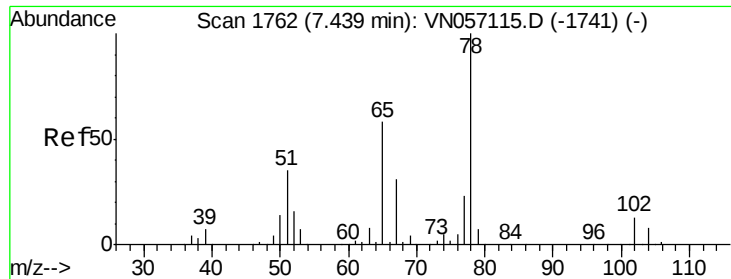
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.684 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	40.1	32.7	49.1





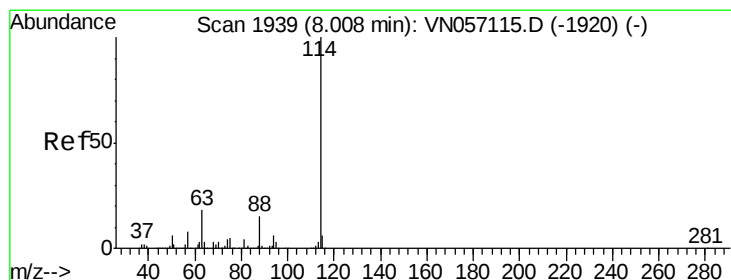
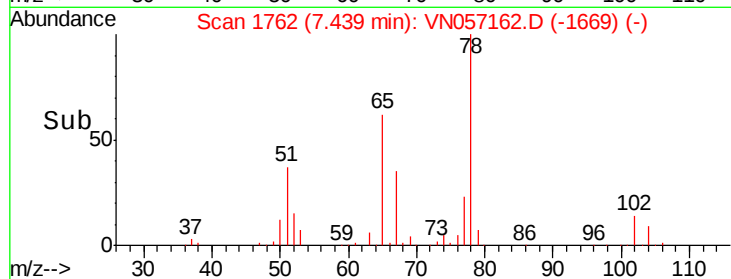
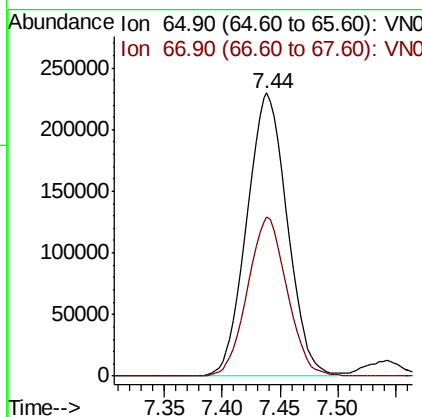
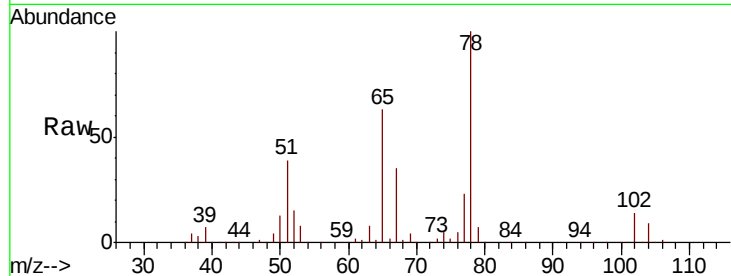
#33
 1,2-Dichloroethane-d4
 Concen: 50.672 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	108.2	

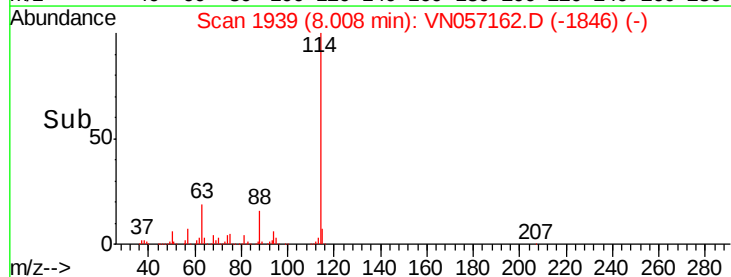
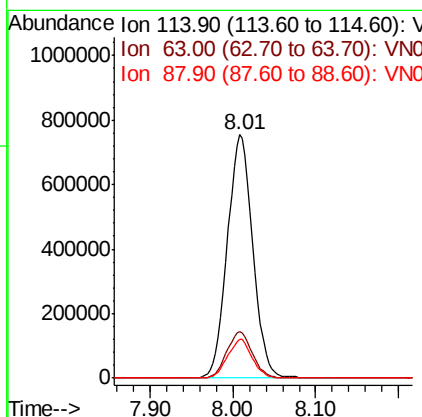
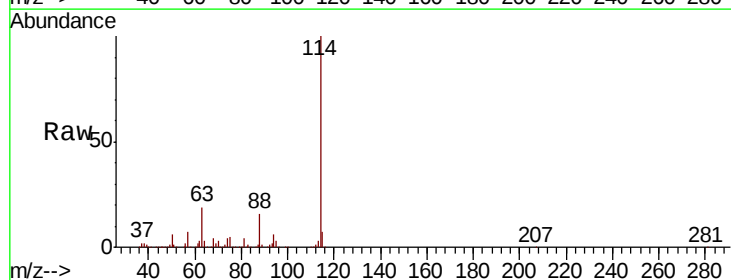
Manual Integrations
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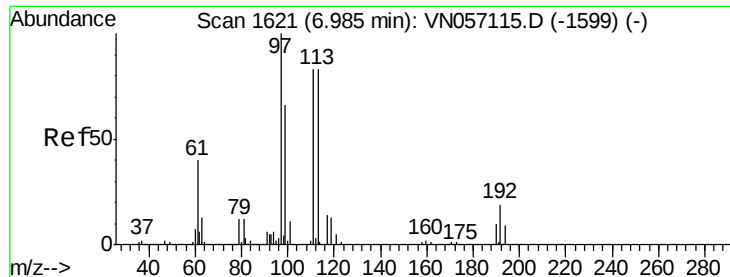
MMDadoda
 8/12/2019 3:35:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	36.2	
88	15.7	0.0	30.0	





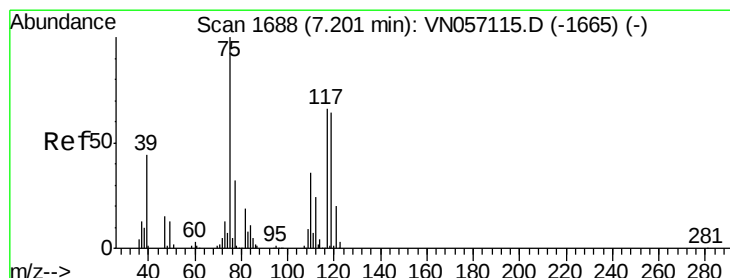
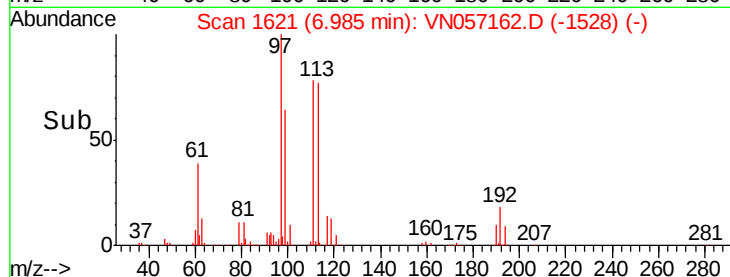
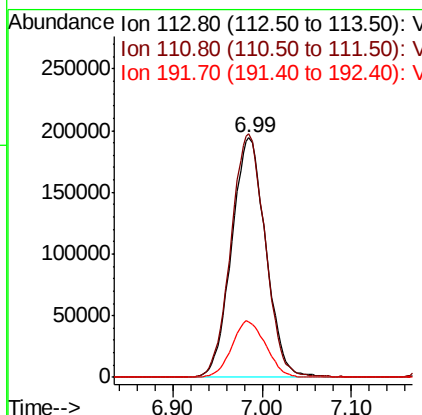
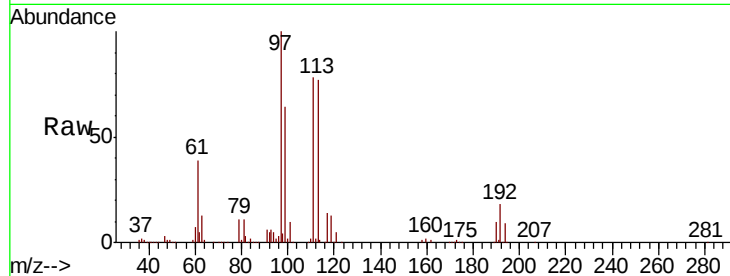
#35
Dibromofluoromethane
Concen: 50.851 ug/l
RT: 6.99 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	23.6	19.0	28.4

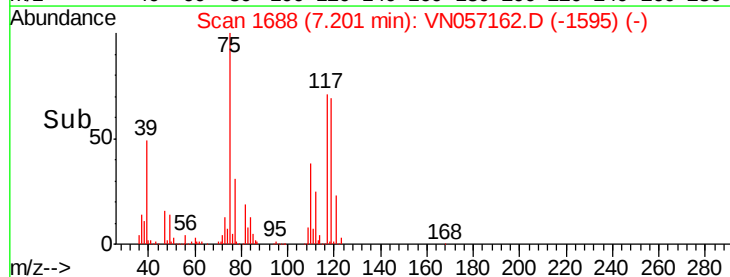
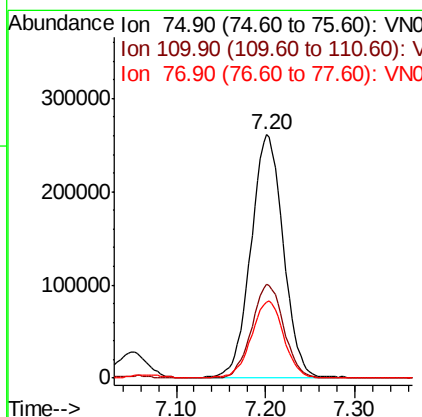
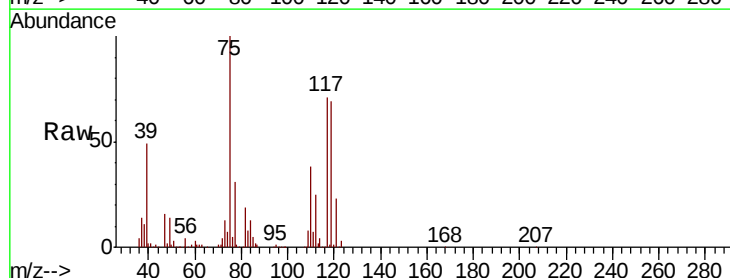
Manual Integrations
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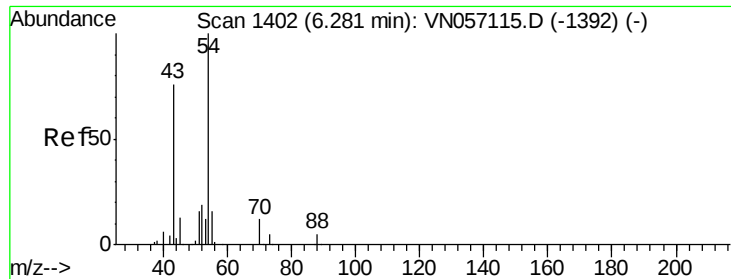
MMDadoda
8/12/2019 3:35:02 PM



#36
1,1-Dichloropropene
Concen: 49.570 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

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





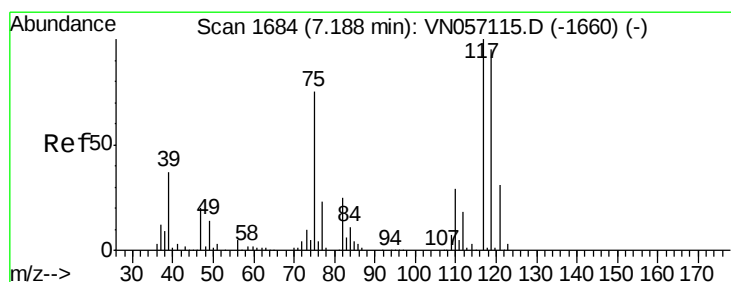
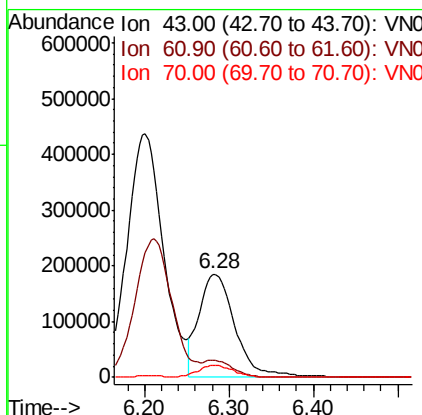
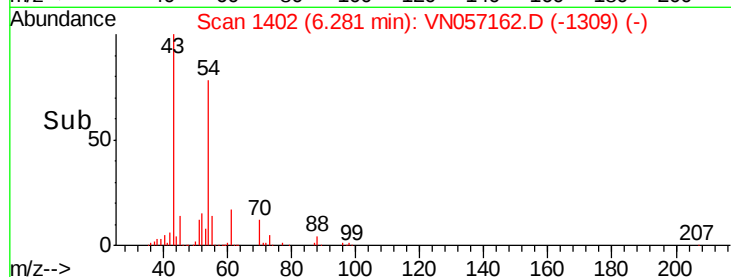
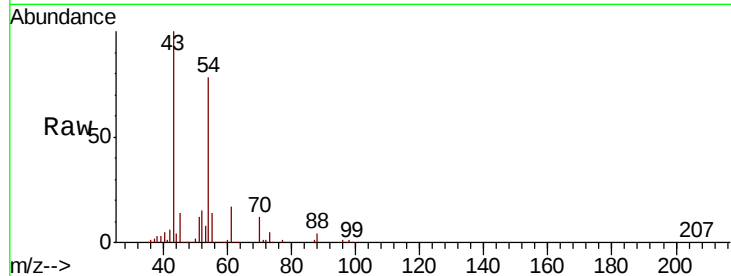
#37
Ethyl Acetate
Concen: 49.447 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	542335		
61	0.0	0.0	0.0	0.0
70	11.8	9.1	13.7	

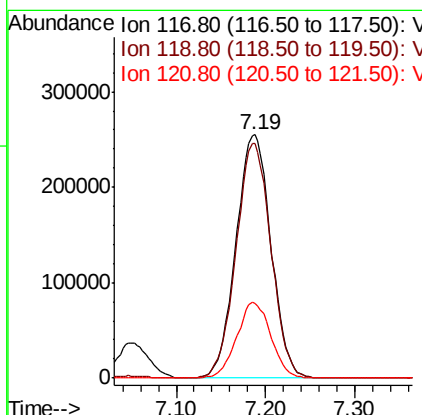
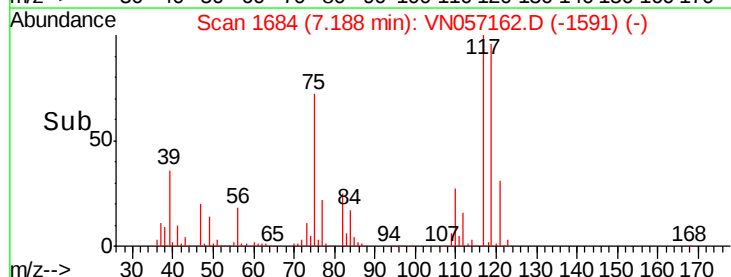
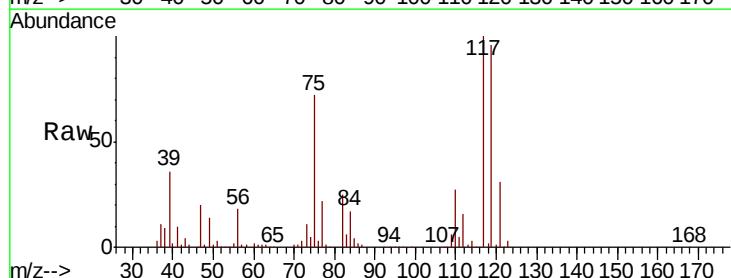
Manual Integrations
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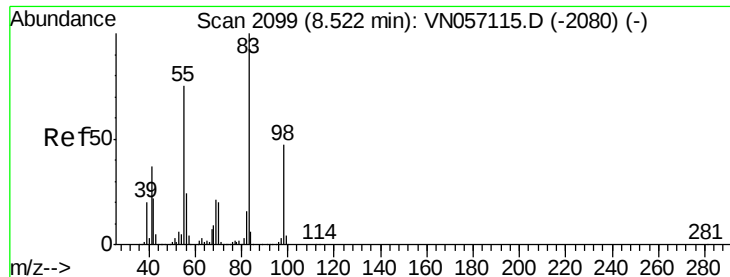
MMDadoda
8/12/2019 3:35:02 PM



#38
Carbon Tetrachloride
Concen: 49.976 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	692982		
119	96.3	75.8	113.6	
121	30.7	24.4	36.6	





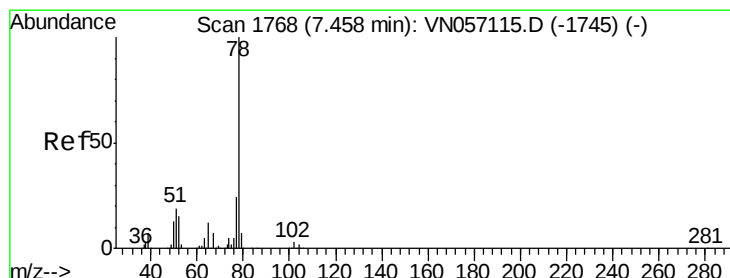
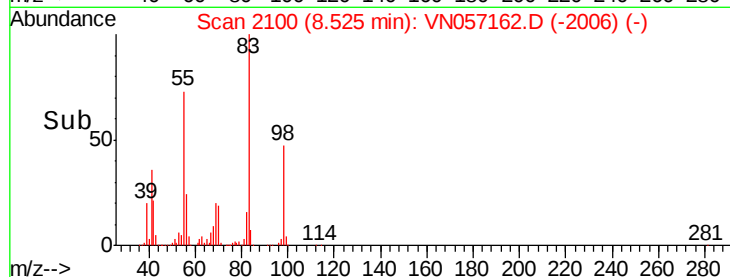
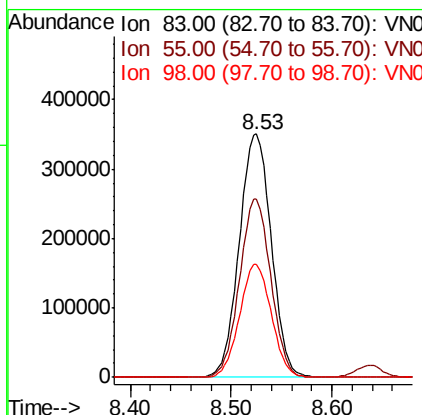
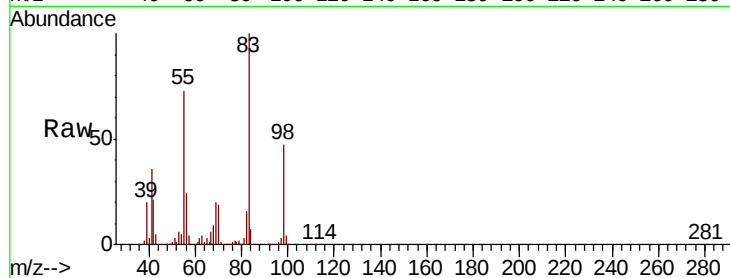
#39
Methylvlcyclohexane
Concen: 47.665 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.3	90.5
98	46.6	37.9	56.9

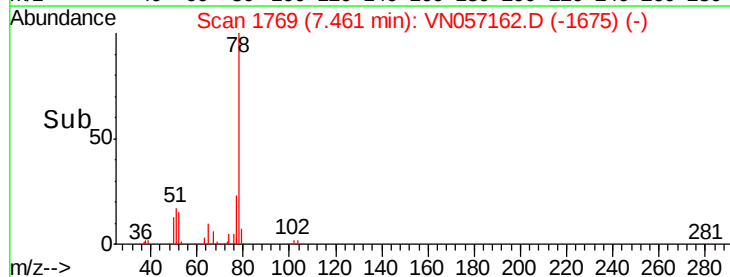
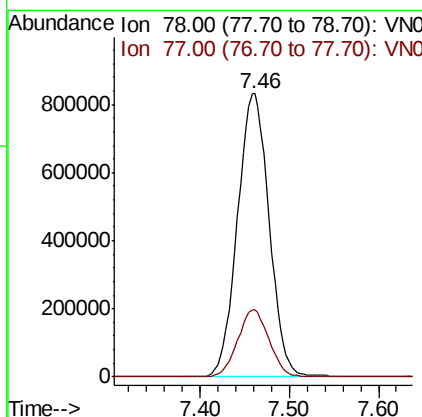
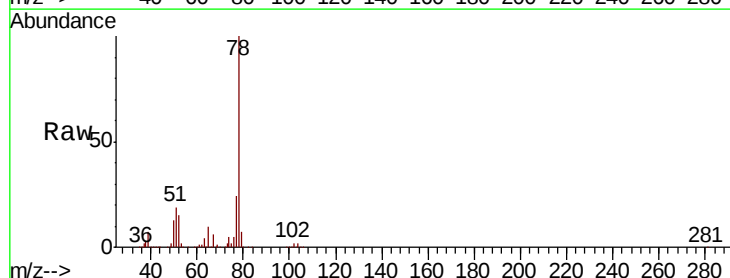
Manual Integrations
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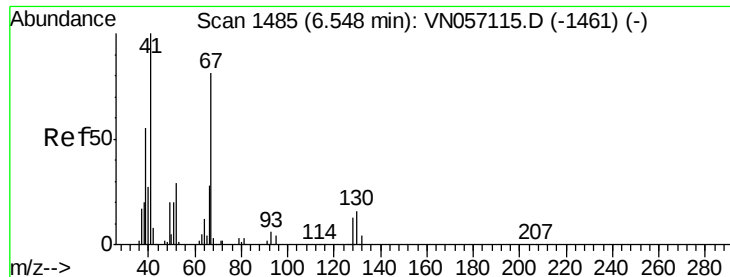
MMDadoda
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#40
Benzene
Concen: 48.645 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





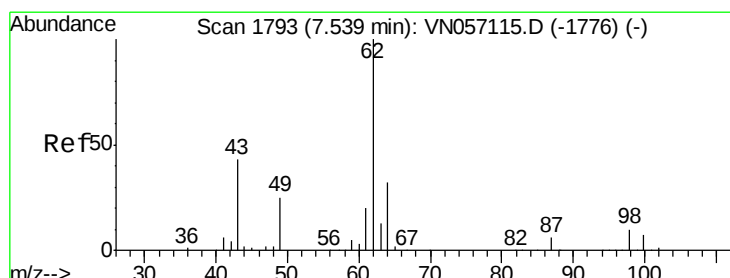
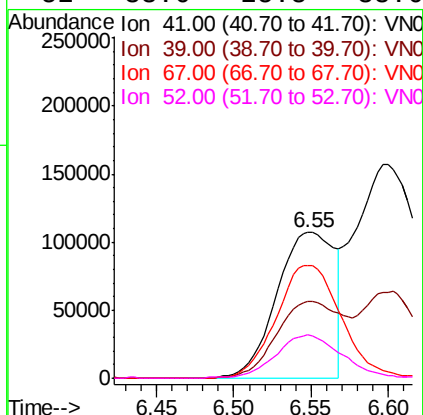
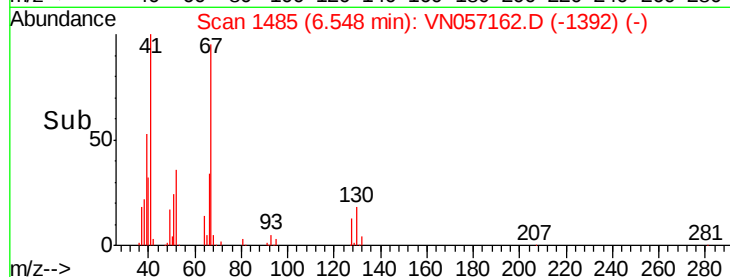
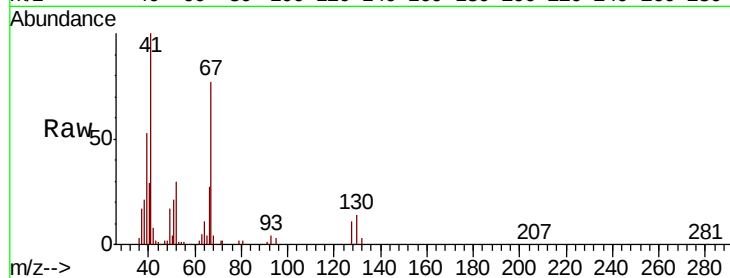
#41
Methacrylonitrile
Concen: 50.049 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		278838		
39	61.9	44.9	67.3		
67	87.2	69.1	103.7		
52	33.6	25.8	38.6		

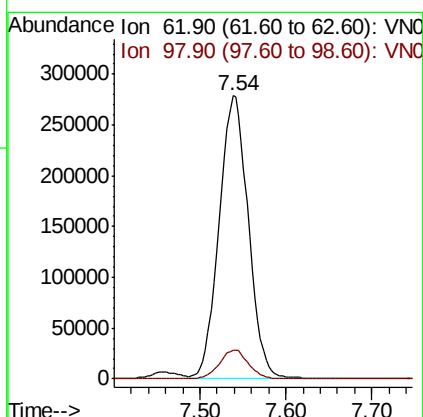
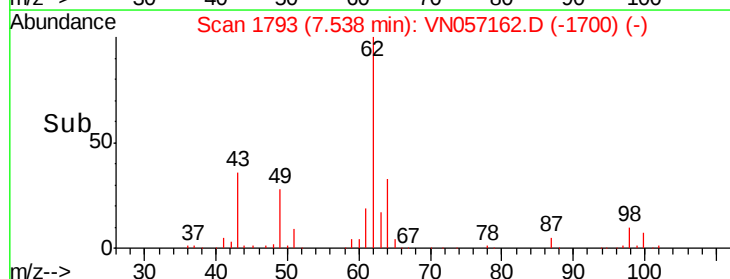
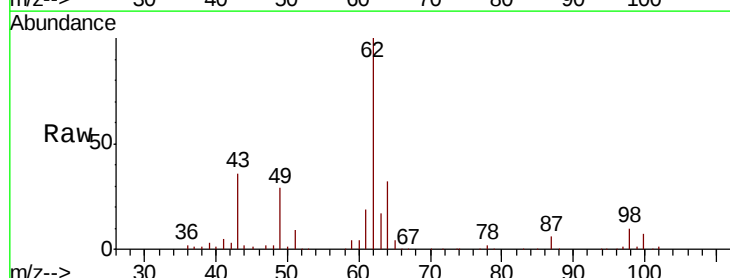
Manual Integrations
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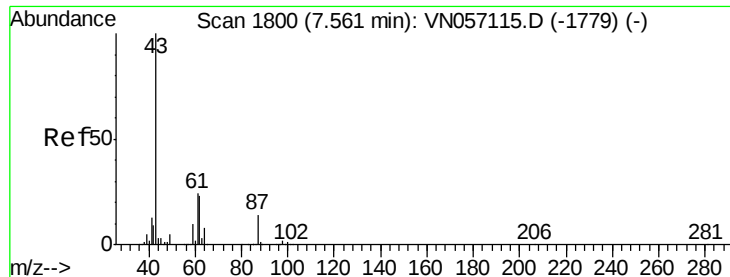
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.017 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		658454		
98	10.1	0.0	19.4		





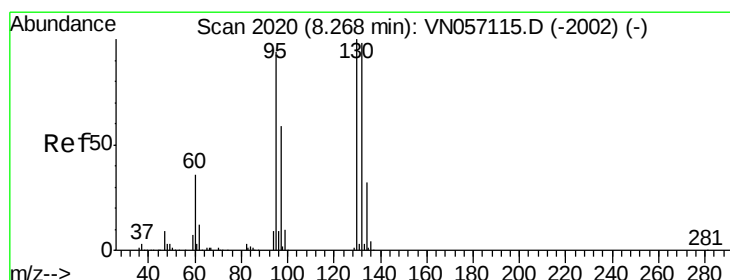
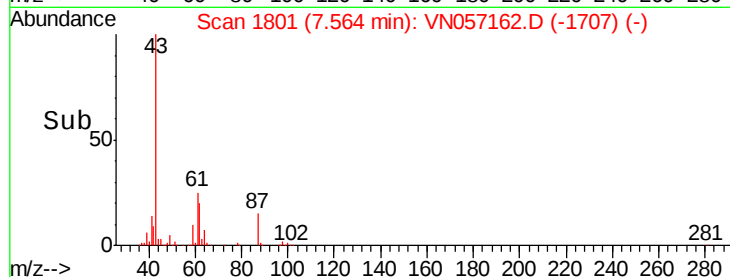
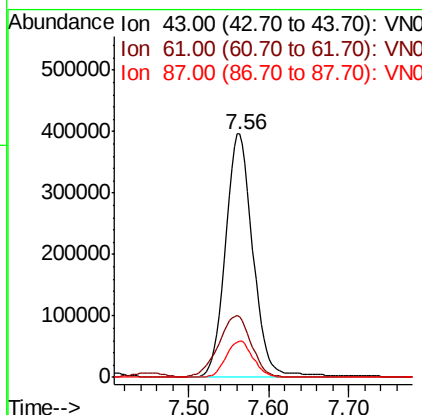
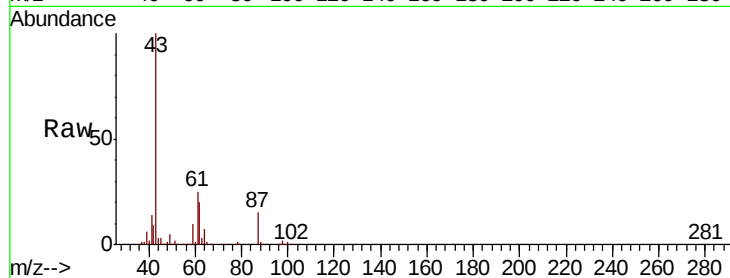
#43
Isopropyl Acetate
Concen: 49.579 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.2	36.2
87	14.9	11.8	17.8

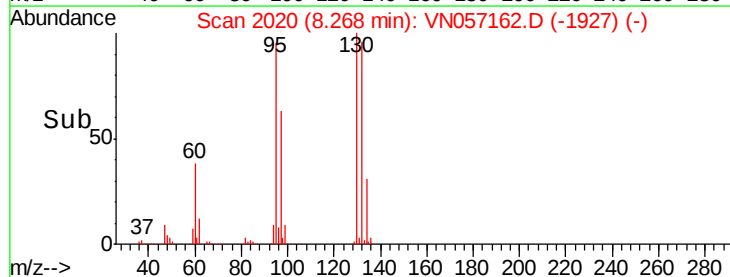
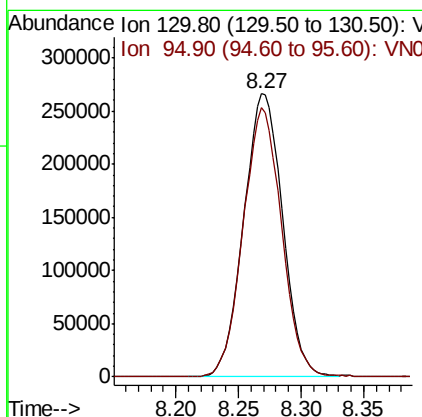
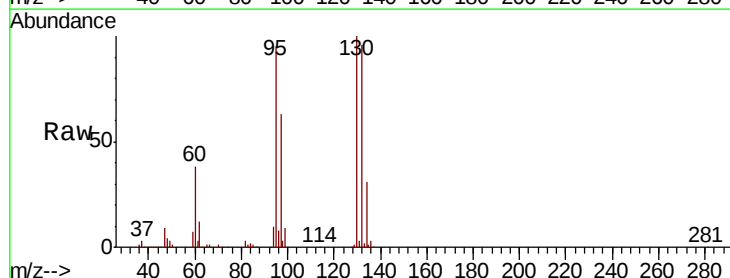
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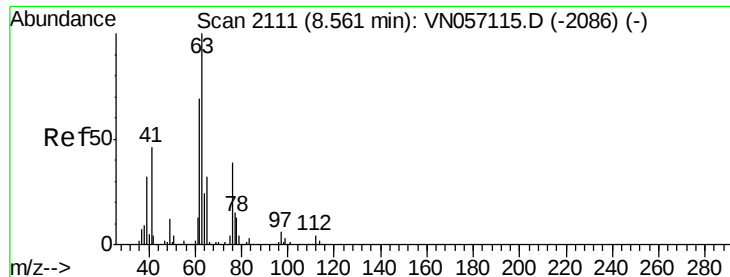
MMDadoda
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#44
Trichloroethene
Concen: 48.762 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	187.4





#45

1,2-Dichloropropane

Concen: 49.414 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 538911

Ion Ratio Lower Upper

63 100

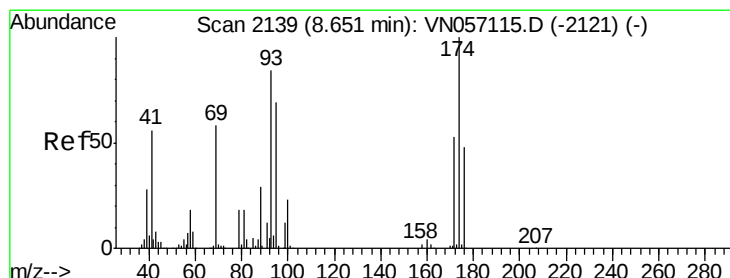
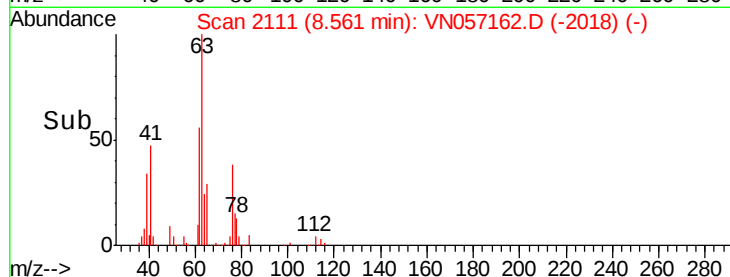
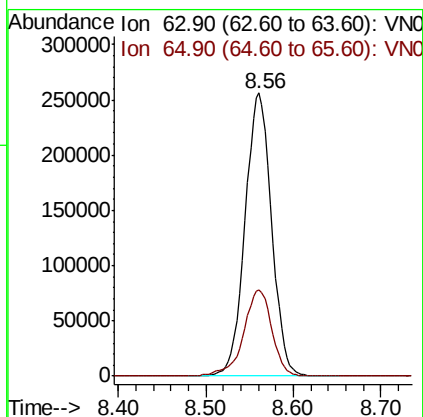
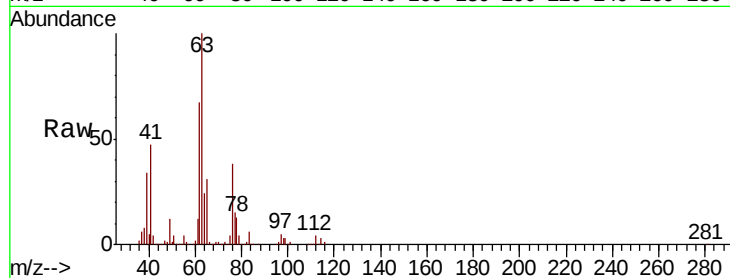
65 30.5 25.2 37.8

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#46

Dibromomethane

Concen: 49.384 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

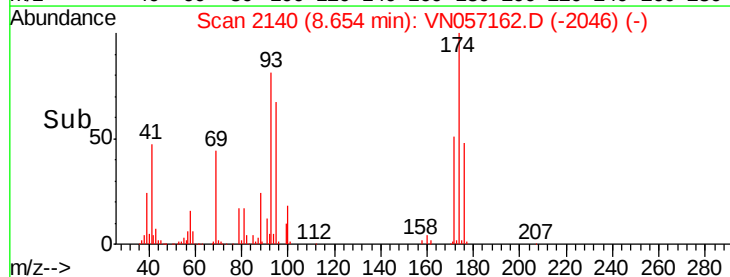
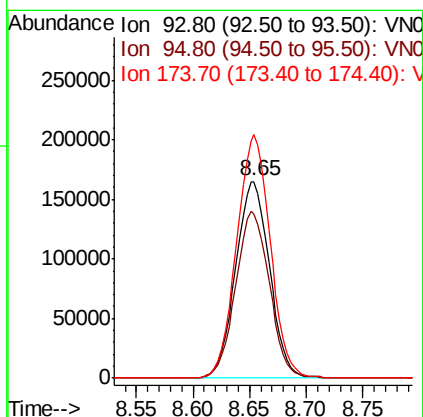
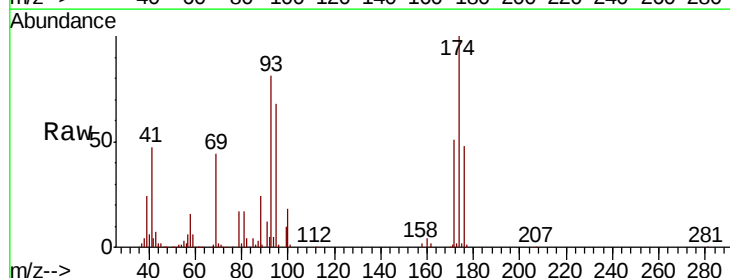
Tgt Ion: 93 Resp: 345333

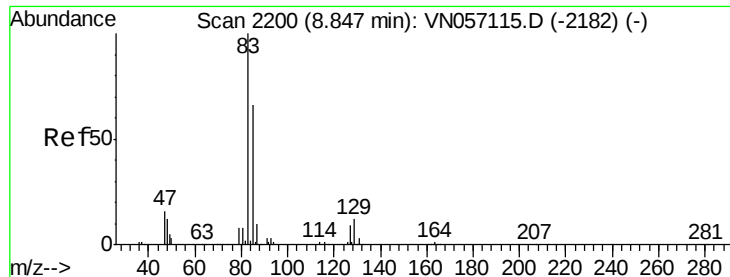
Ion Ratio Lower Upper

93 100

95 84.3 66.0 99.0

174 122.6 96.0 144.0





#47

Bromodichloromethane

Concen: 51.905 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

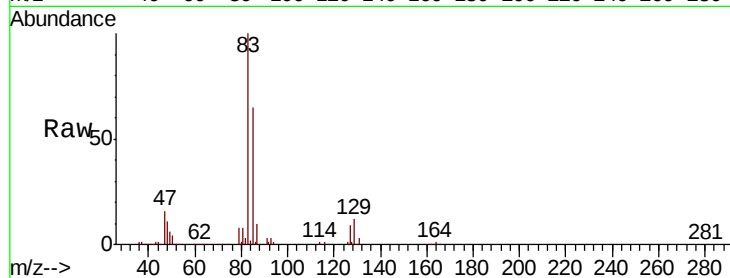
ClientSampleId :

VSTDCCC050EC

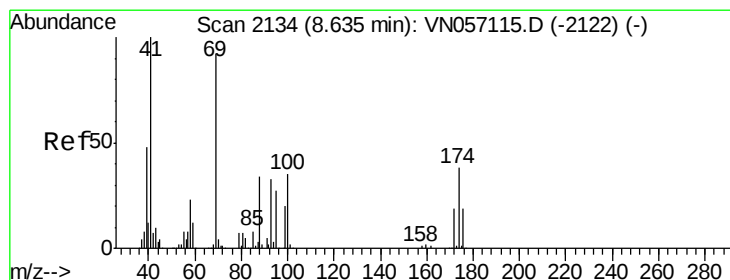
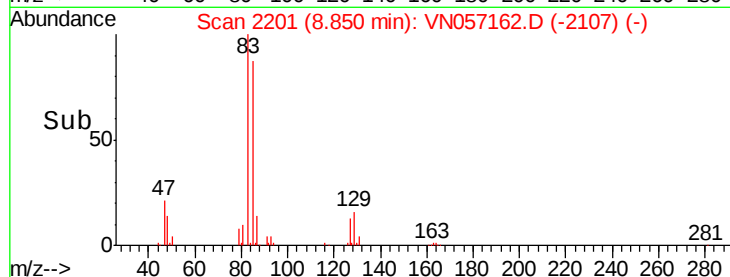
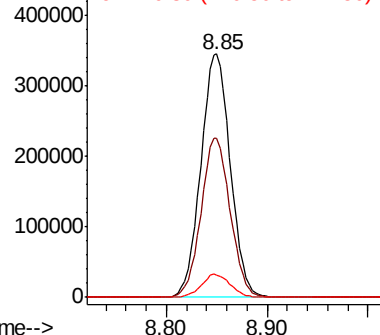
Tot Ion	83	Resp	702309
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.6	78.8
127	9.4	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 48.592 ug/l

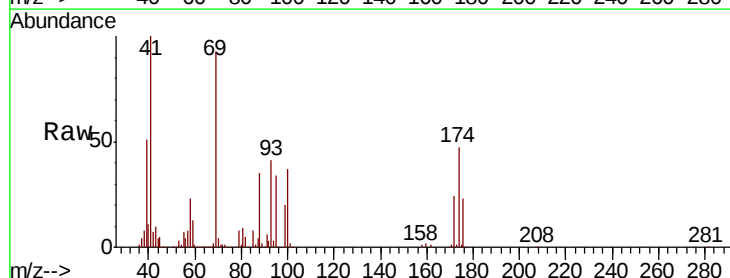
RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

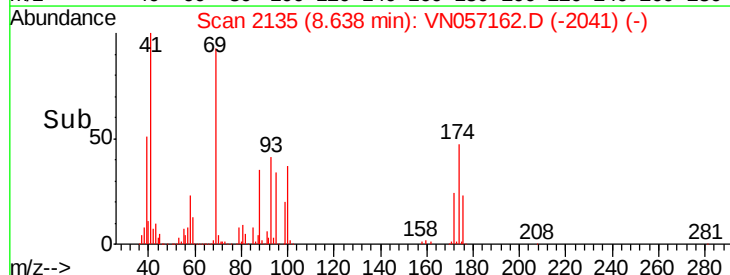
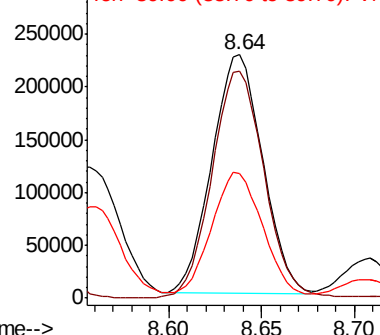
Lab File: VN057162.D

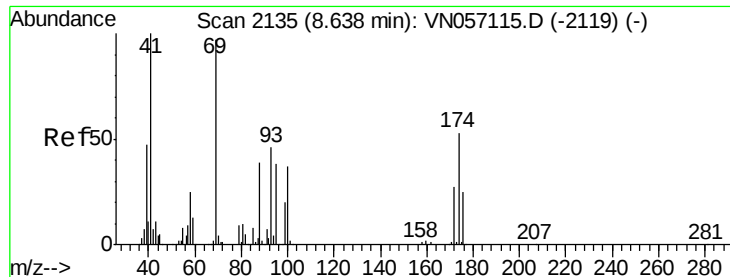
Acq: 9 Aug 2019 21:36

Tgt Ion	41	Resp	428868
Ion Ratio	Lower	Upper	
41	100		
69	98.3	77.5	116.3
39	50.8	39.8	59.6



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





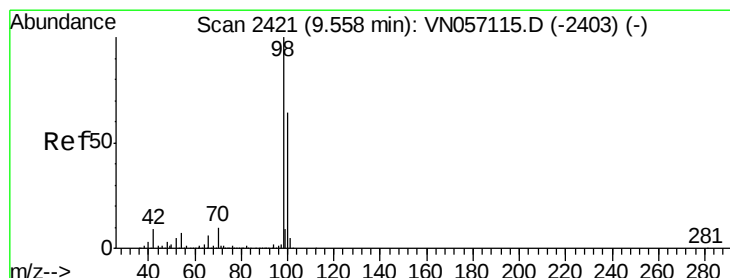
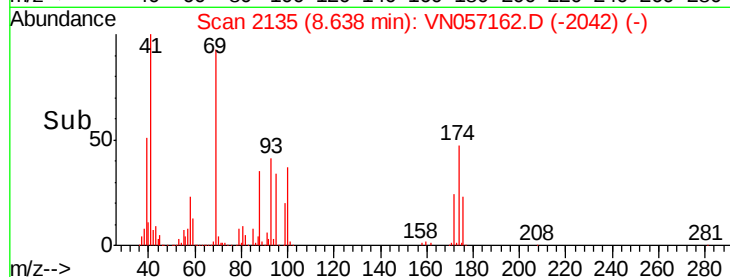
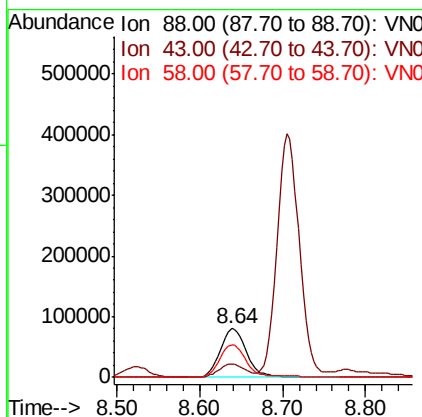
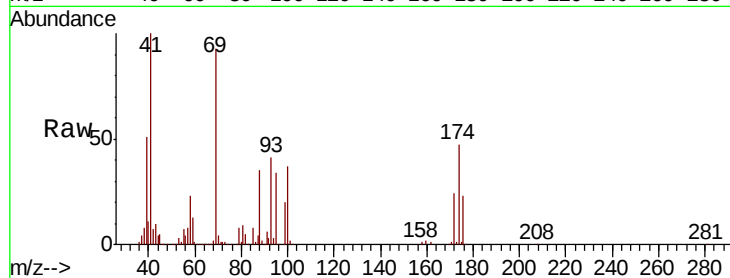
#49
1,4-Dioxane
Concen: 993.627 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	21.7	32.5
58	64.9	51.1	76.7

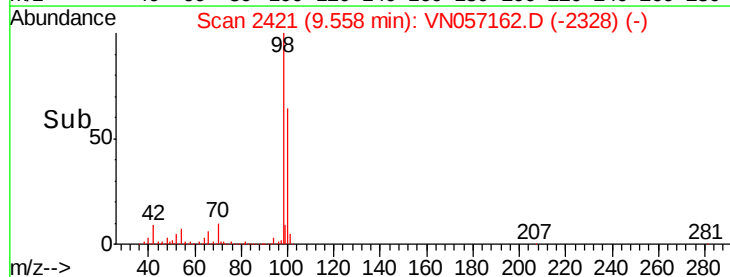
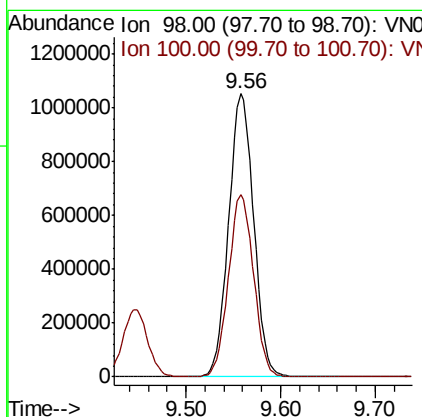
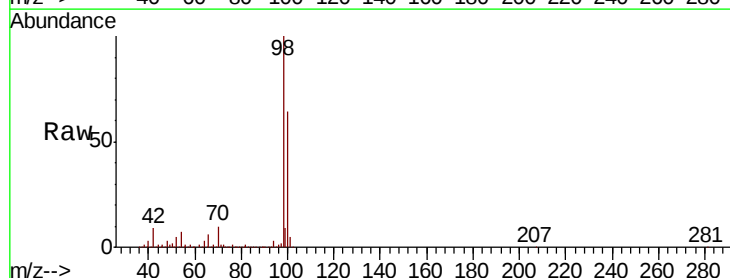
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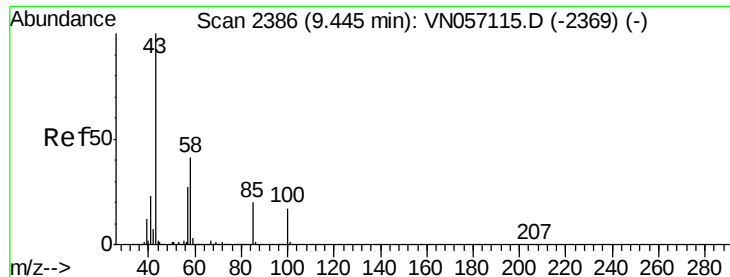
MMDadoda
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#50
Toluene-d8
Concen: 49.842 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





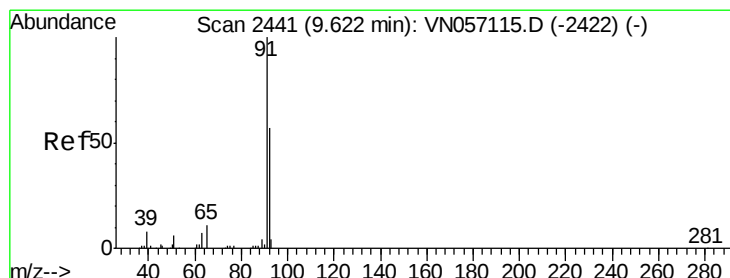
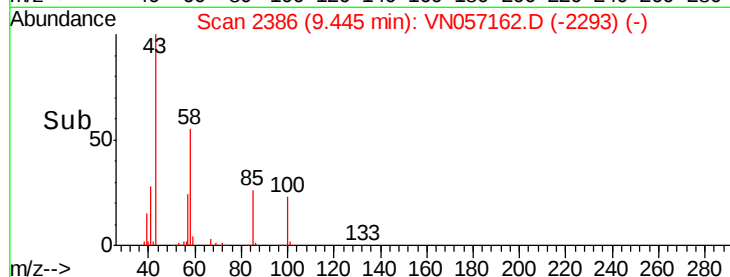
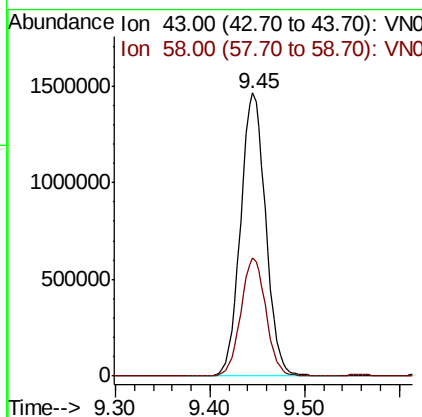
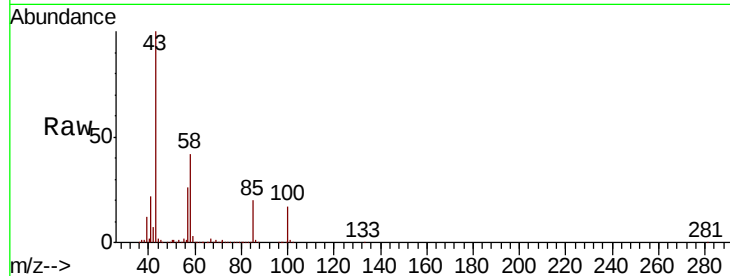
#51
4-Methyl-2-Pentanone
Concen: 247.446 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2695501
Ion Ratio Lower Upper
43 100
58 41.7 33.2 49.8

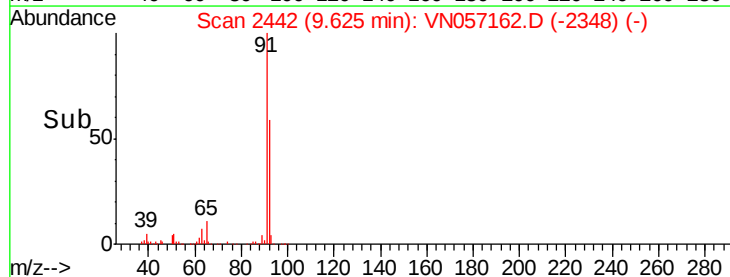
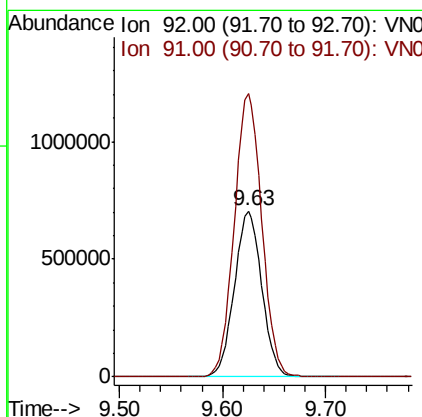
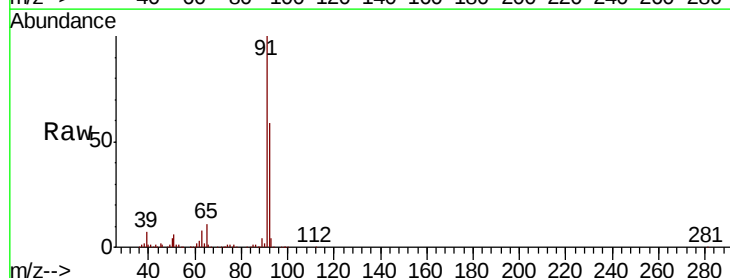
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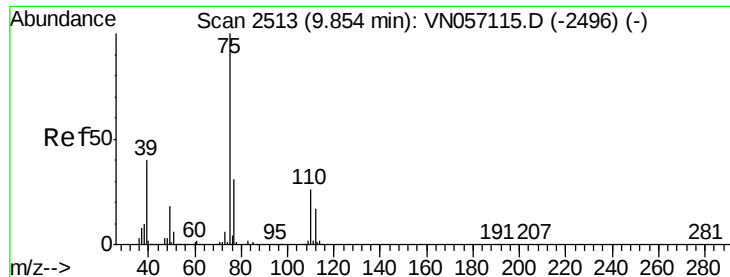
MMDadoda
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#52
Toluene
Concen: 49.678 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion: 92 Resp: 1298837
Ion Ratio Lower Upper
92 100
91 172.6 139.8 209.8





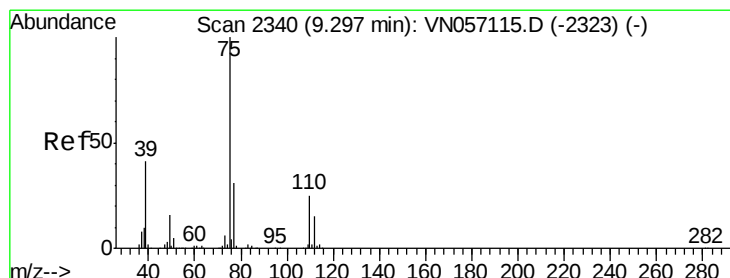
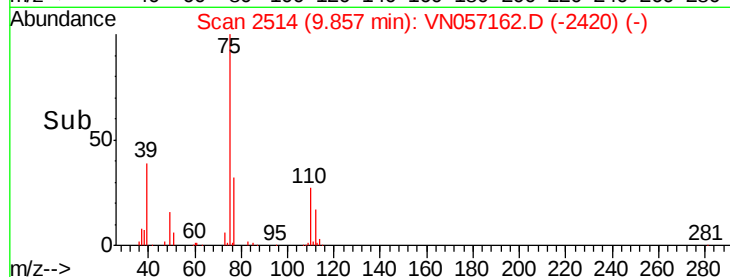
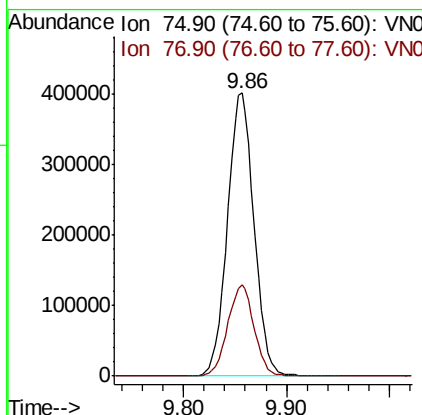
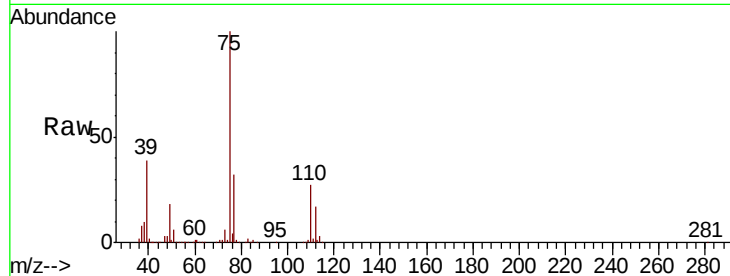
#53
t-1,3-Dichloropropene
Concen: 50.840 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2

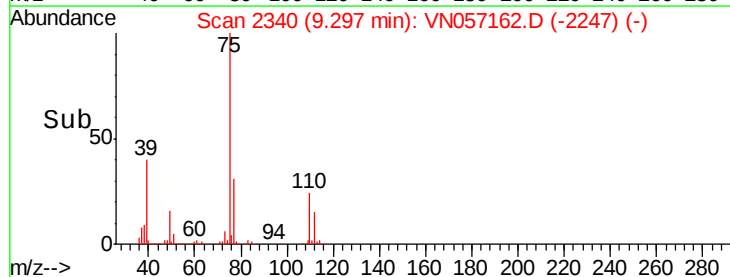
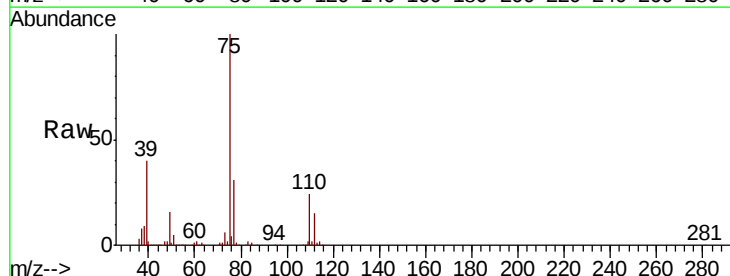
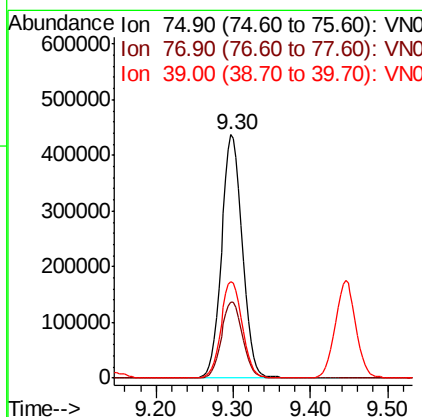
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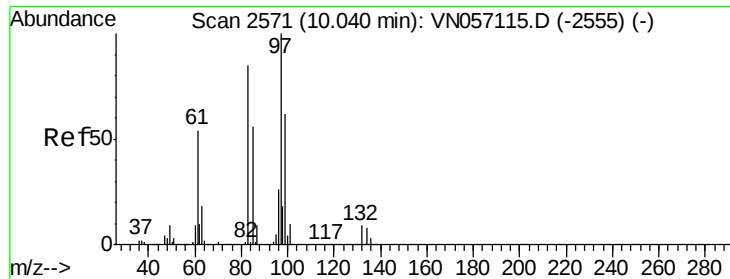
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#54
cis-1,3-Dichloropropene
Concen: 50.356 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	39.8	32.5	48.7





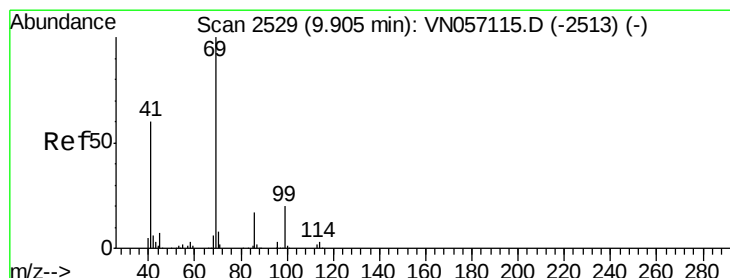
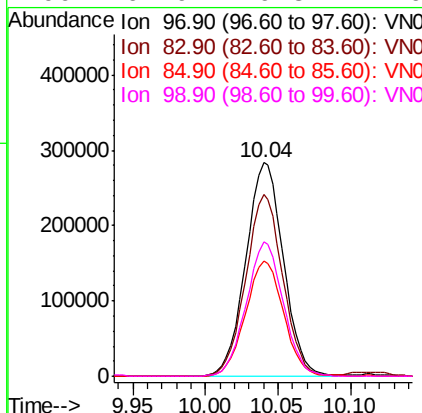
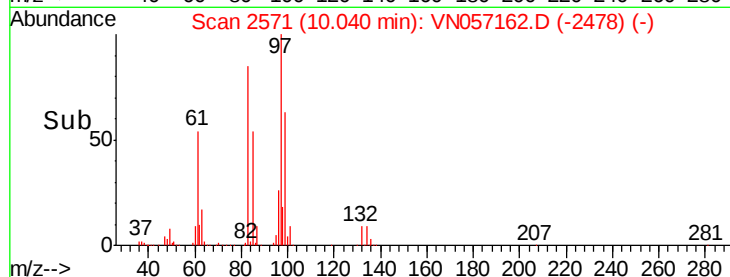
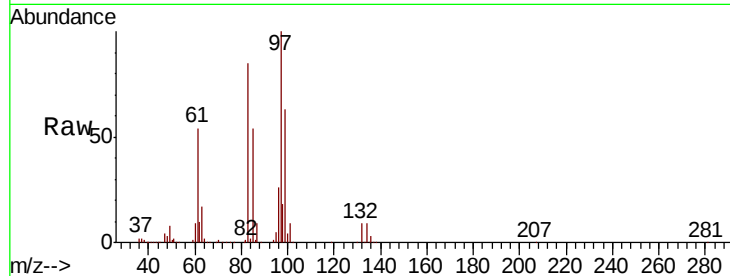
#55
 1,1,2-Trichloroethane
 Concen: 49.787 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	511870
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.8
85	53.9	44.4	66.6
99	62.9	49.8	74.6

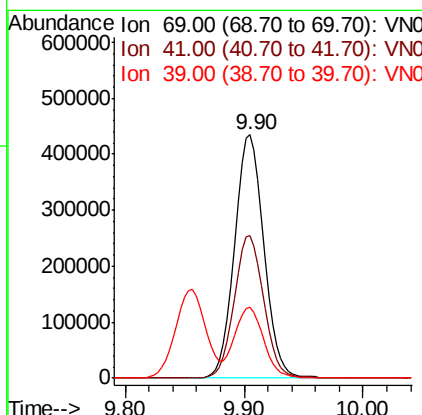
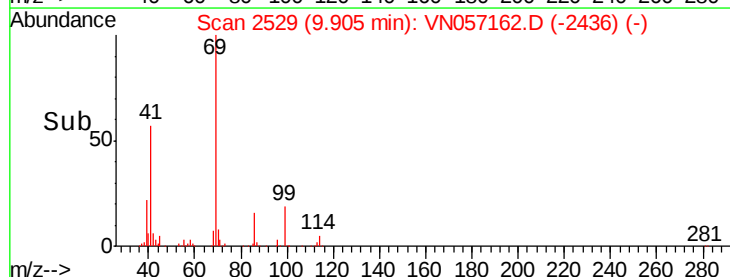
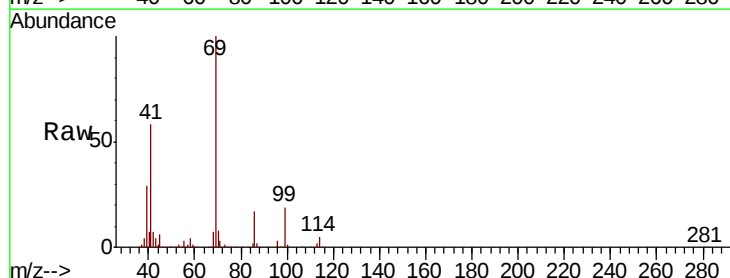
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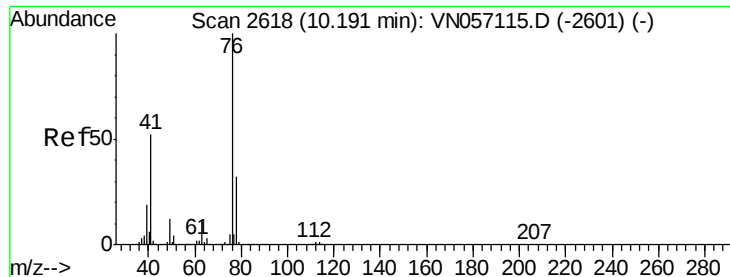
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#56
 Ethyl methacrylate
 Concen: 51.490 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion:	69	Resp:	741219
Ion	Ratio	Lower	Upper
69	100		
41	58.7	48.1	72.1
39	28.7	23.6	35.4





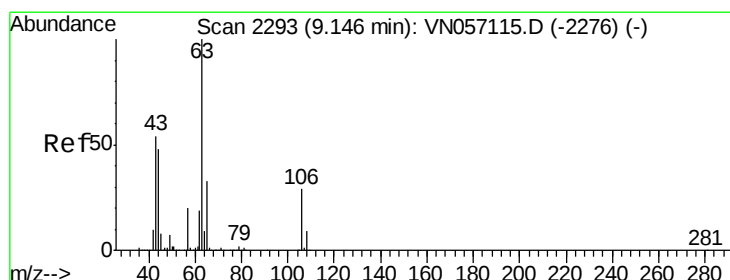
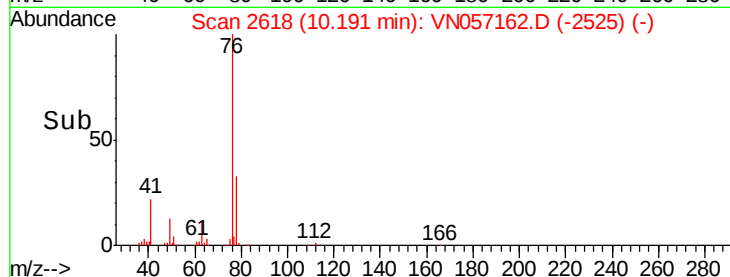
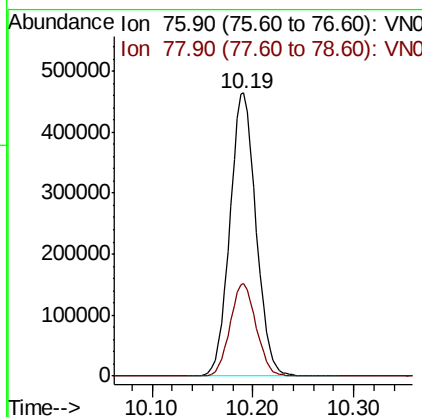
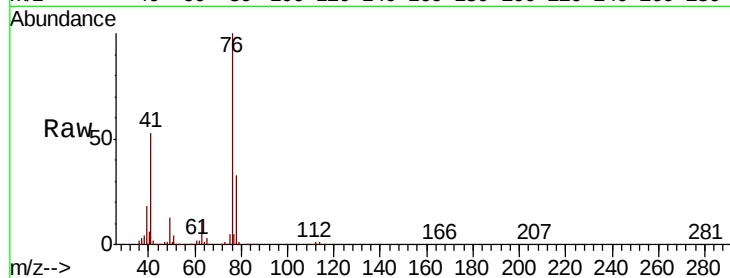
#57
 1,3-Dichloropropane
 Concen: 49.360 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

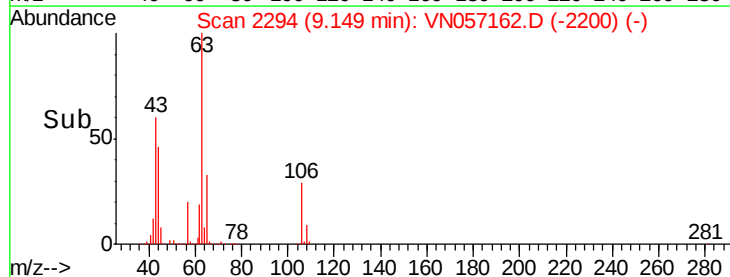
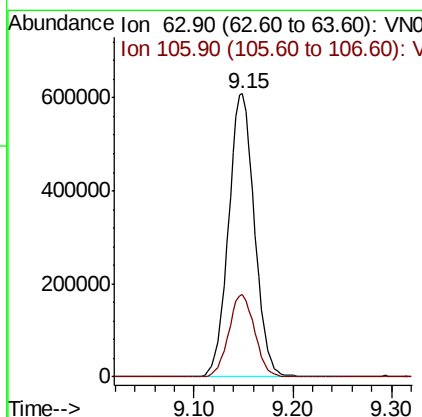
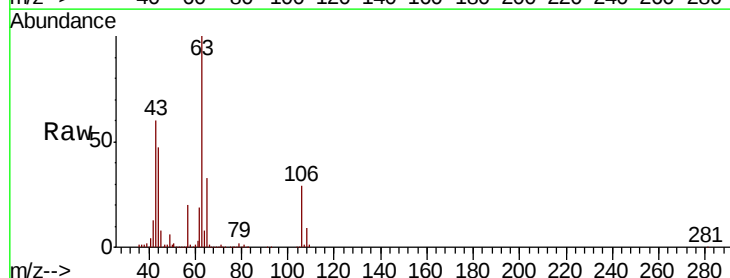
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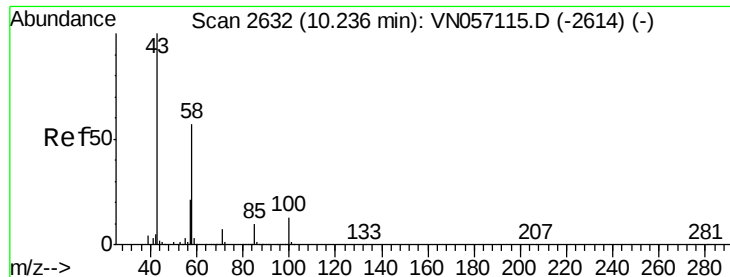
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#58
 2-Chloroethyl Vinyl ether
 Concen: 197.385 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.6	33.8





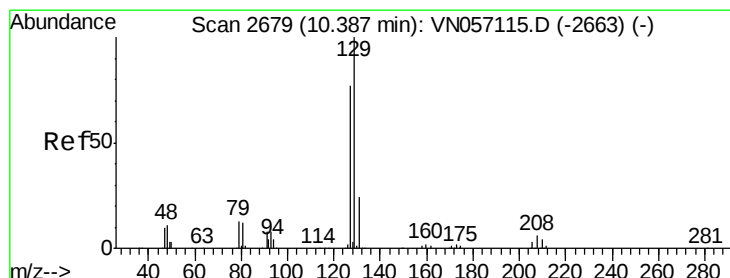
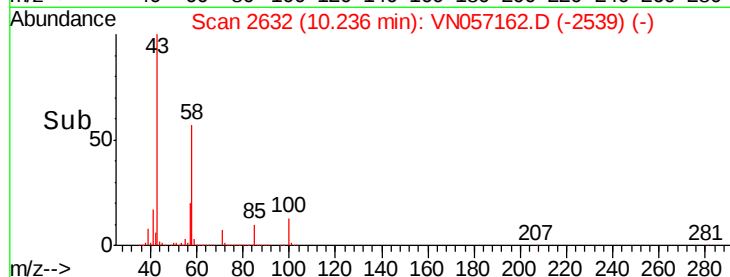
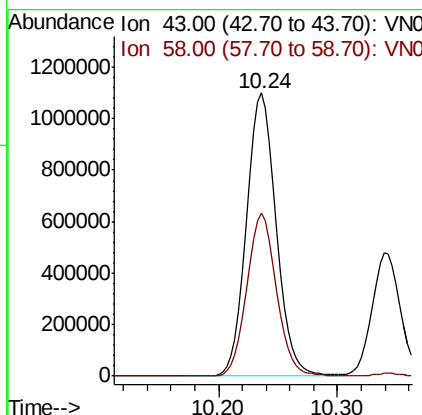
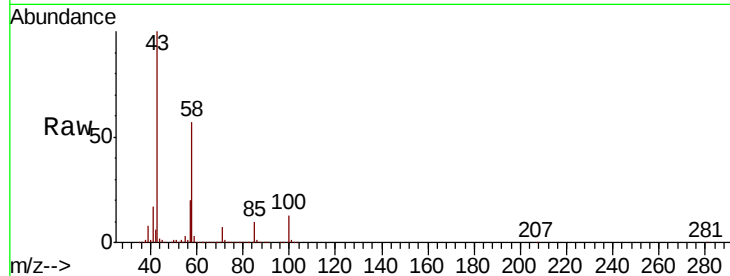
#59
2-Hexanone
Concen: 257.813 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1900718
Ion Ratio Lower Upper
43 100
58 57.5 29.2 87.6

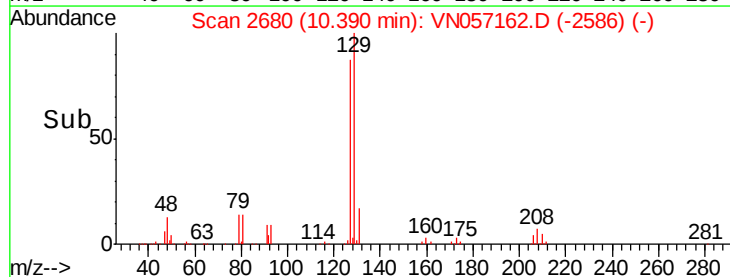
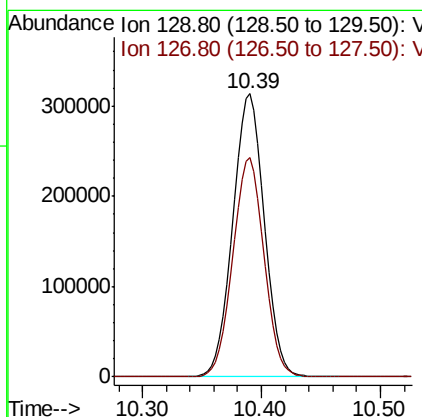
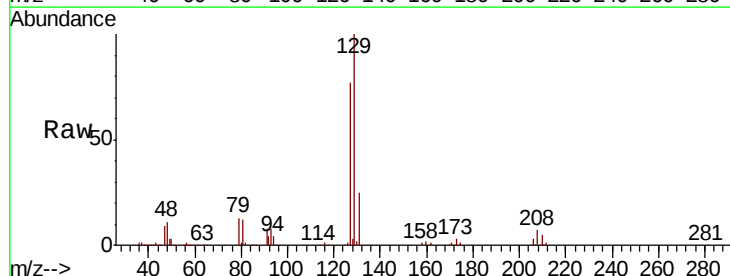
Manual Integrations
APPROVED

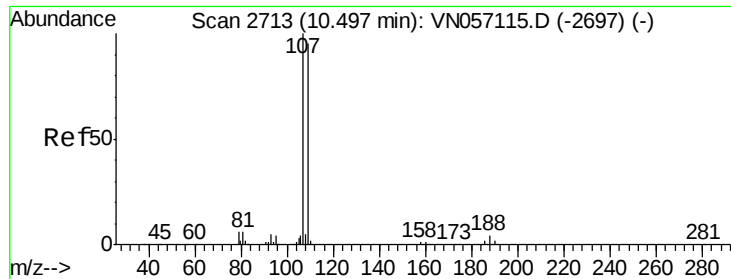
MMDadoda
8/12/2019 3:35:02 PM



#60
Dibromochloromethane
Concen: 53.271 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion: 129 Resp: 575215
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





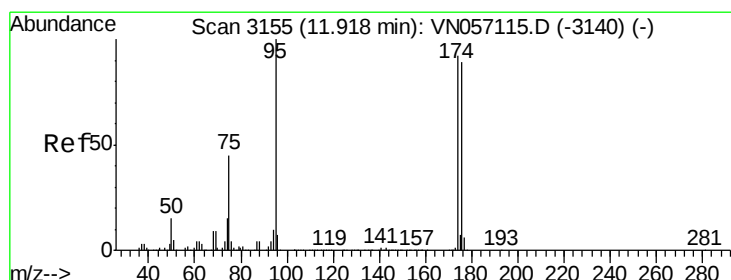
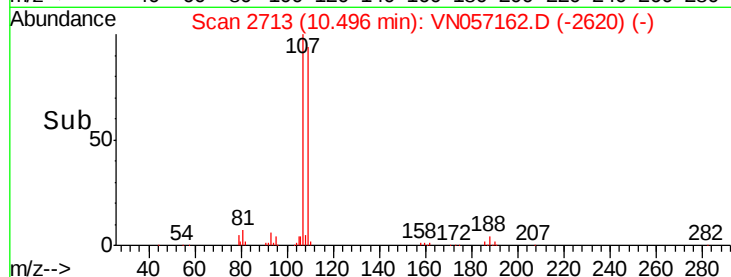
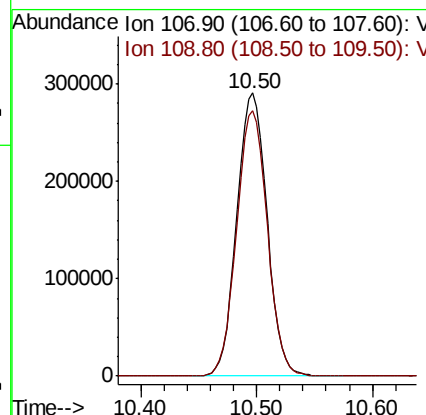
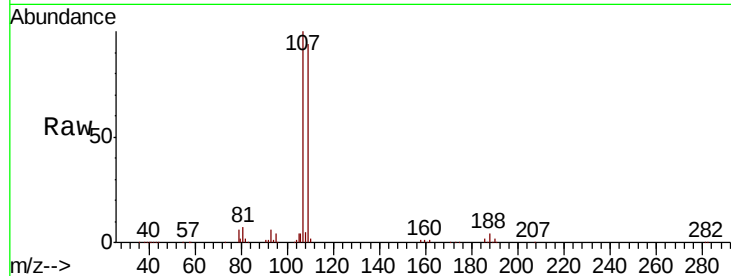
#61
 1,2-Dibromoethane
 Concen: 49.594 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

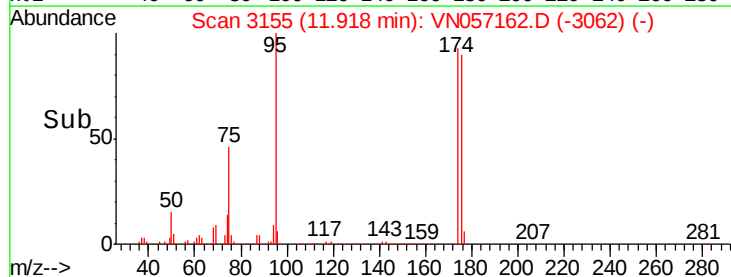
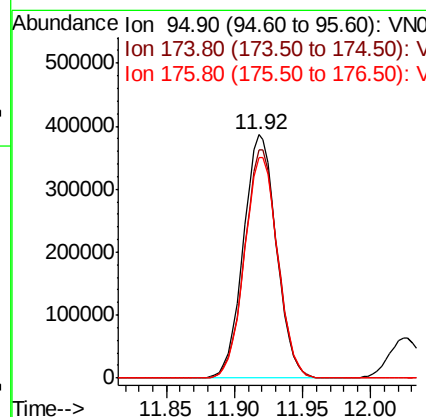
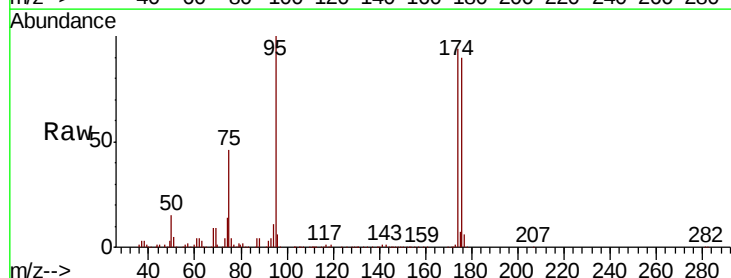
Manual Integrations
 APPROVED

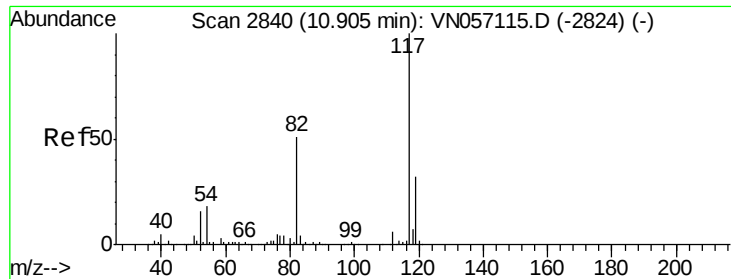
MMDadoda
 8/12/2019 3:35:02 PM



#62
 4-Bromofluorobenzene
 Concen: 51.757 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	185.0
176	91.6	0.0	181.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 1457312

Ion Ratio Lower Upper

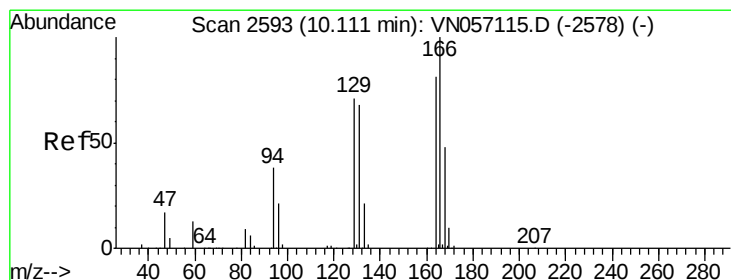
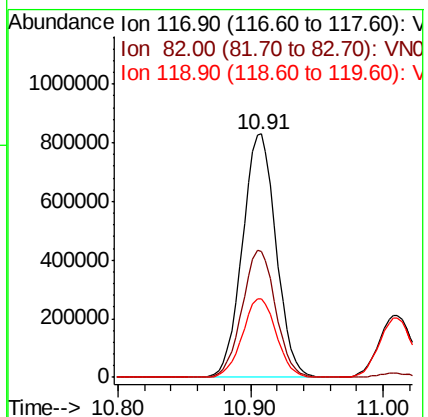
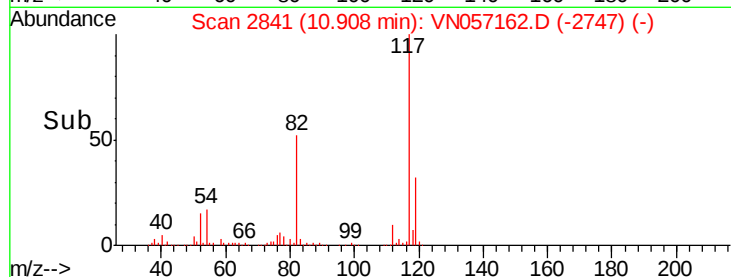
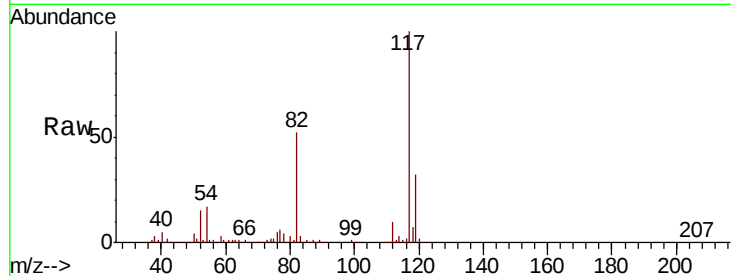
117 100

82 51.9 40.8 61.2

119 32.1 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:35:02 PM



#64

Tetrachloroethene

Concen: 49.822 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:164 Resp: 603824

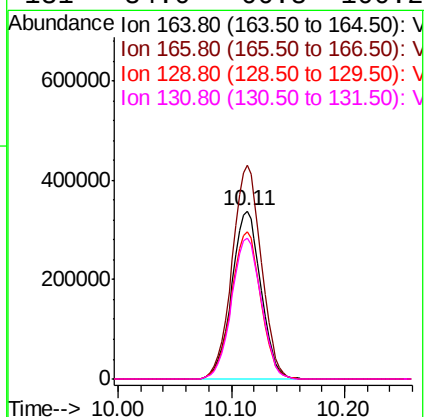
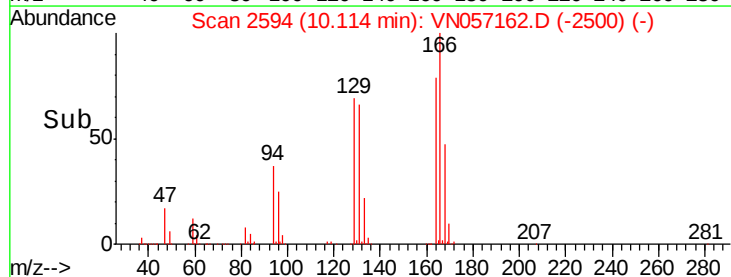
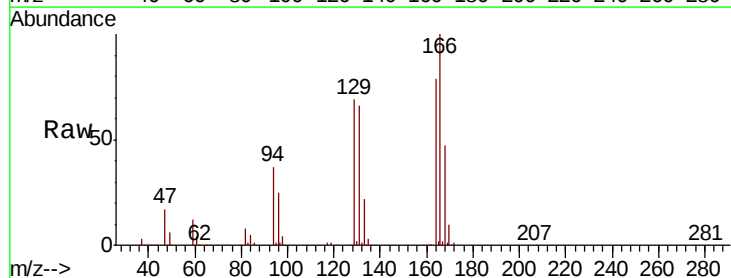
Ion Ratio Lower Upper

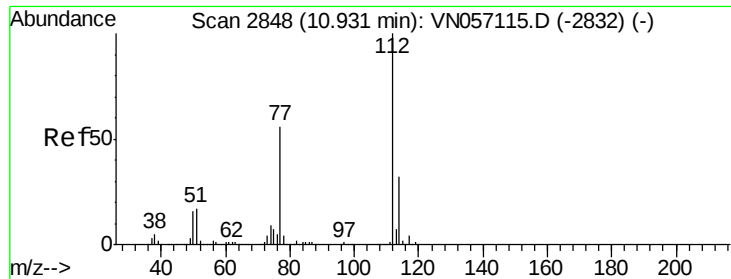
164 100

166 127.0 98.3 147.5

129 87.8 69.8 104.6

131 84.0 66.8 100.2





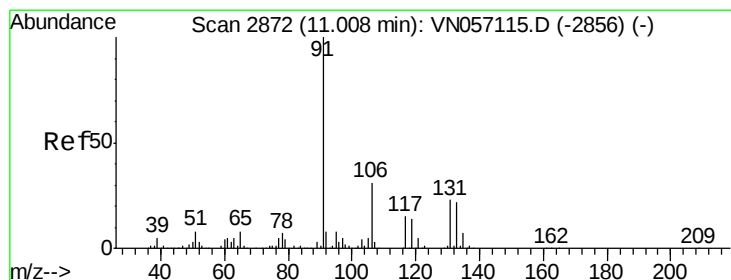
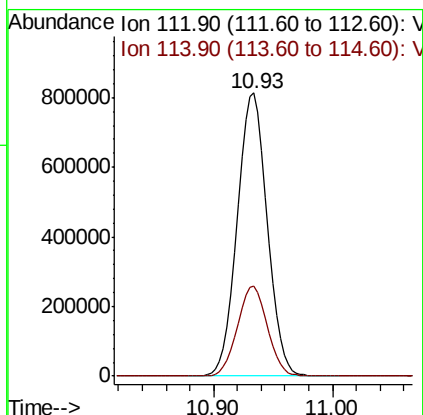
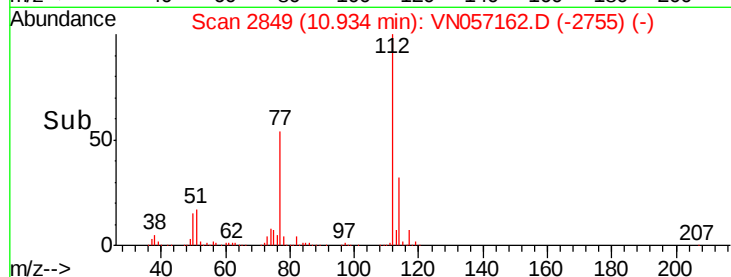
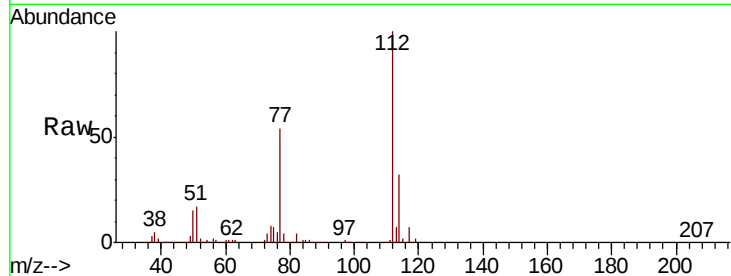
#65
Chlorobenzene
Concen: 48.311 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1416584
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

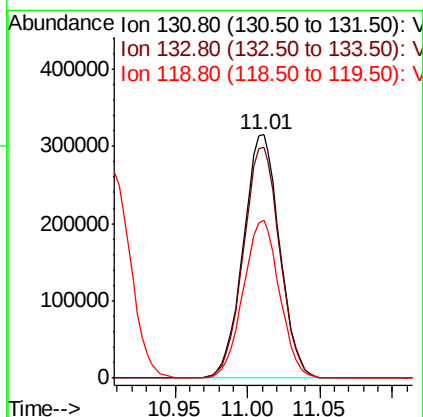
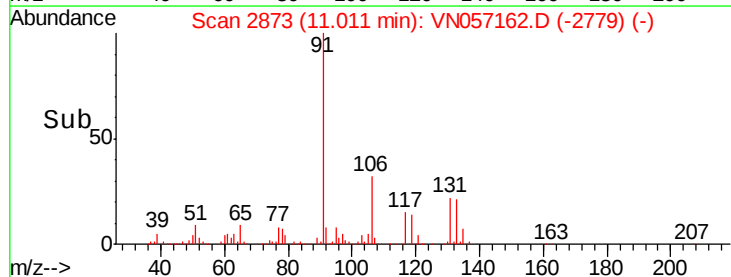
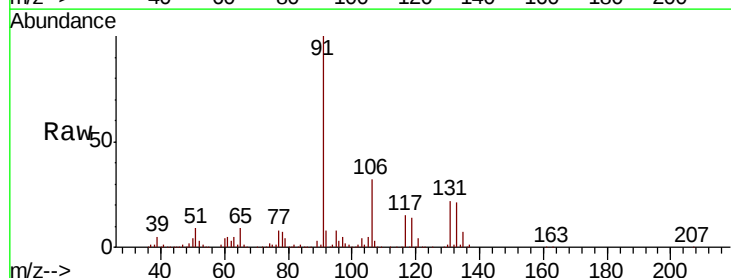
Manual Integrations
APPROVED

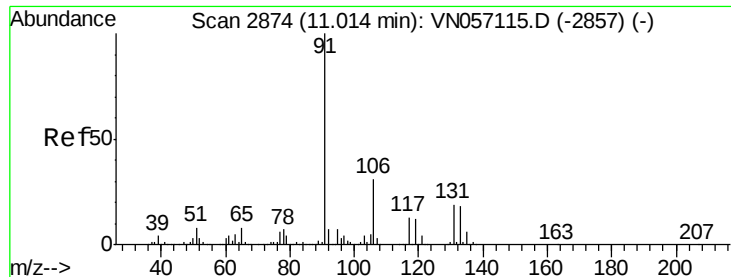
MMDadoda
8/12/2019 3:35:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.063 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion:131 Resp: 548812
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 64.7 32.6 97.7





#67

Ethyl Benzene

Concen: 48.774 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2461466

Ion Ratio Lower Upper

91 100

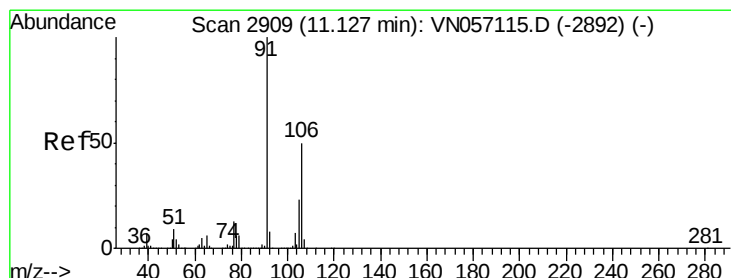
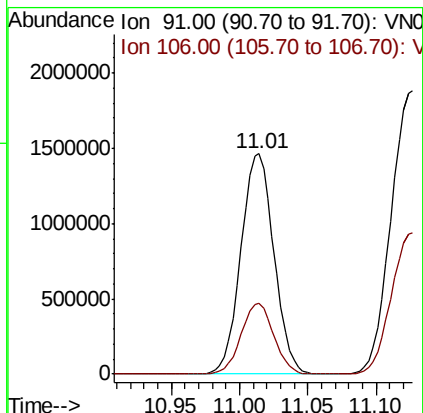
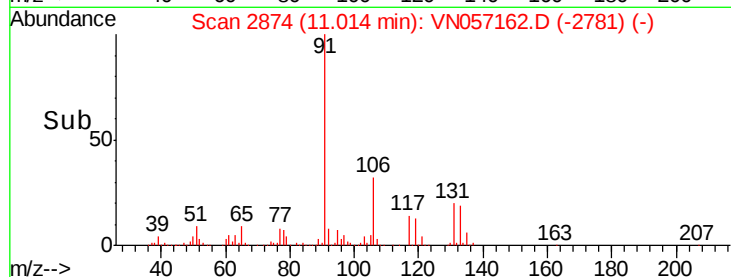
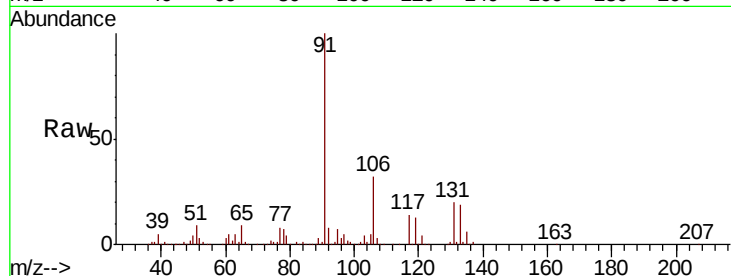
106 31.9 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:35:02 PM



#68

m/p-Xylenes

Concen: 99.174 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057162.D

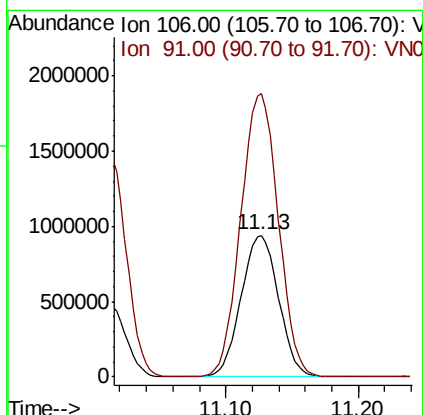
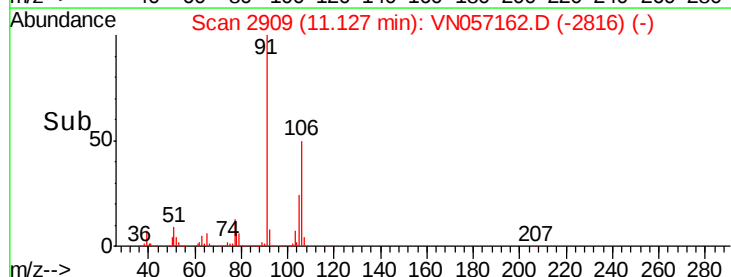
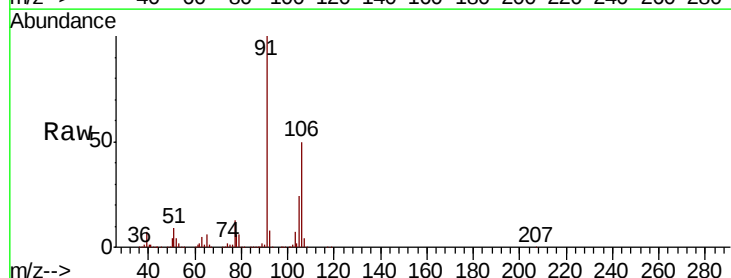
Acq: 9 Aug 2019 21:36

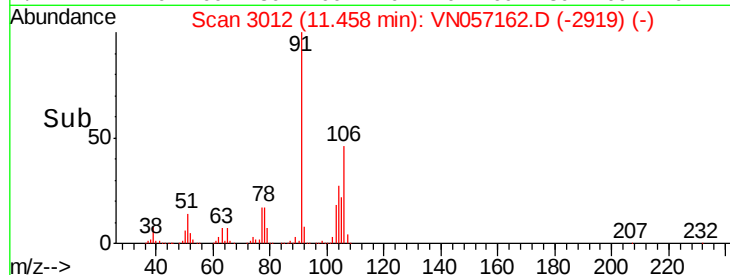
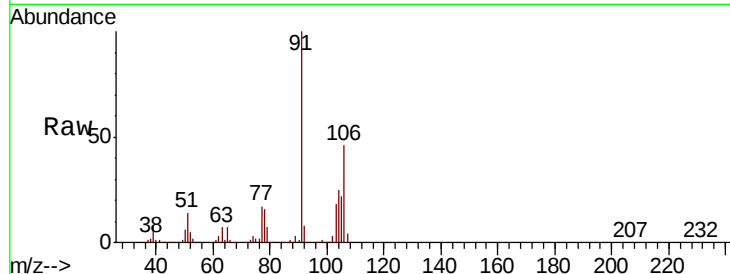
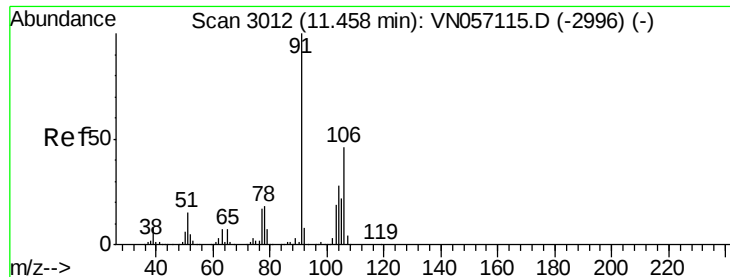
Tgt Ion: 106 Resp: 1843854

Ion Ratio Lower Upper

106 100

91 200.7 159.8 239.8





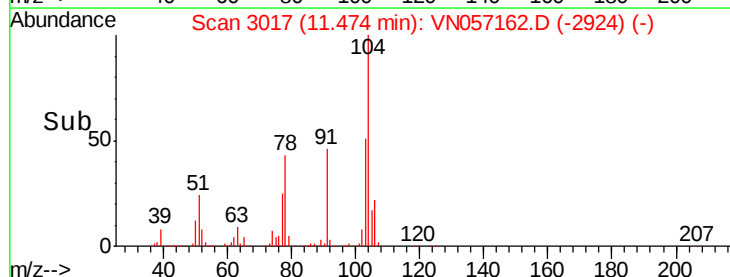
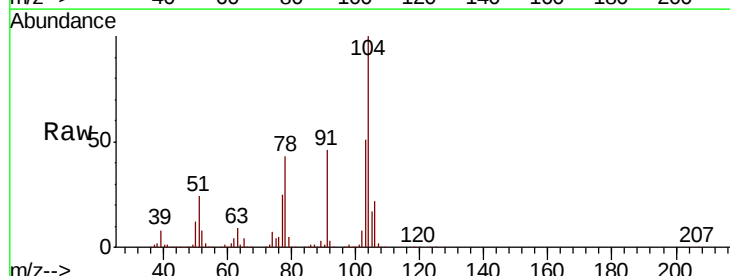
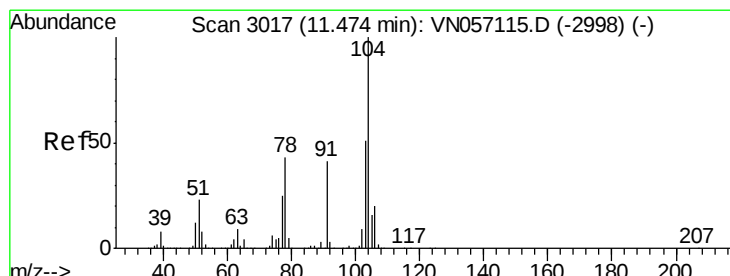
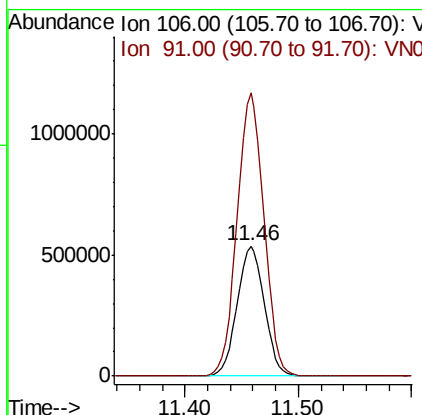
#69
o-Xylene
Concen: 48.530 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tot Ion	Ratio	Resp	Lower	Upper
106	100	897988		
91	215.6	106.8	320.5	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

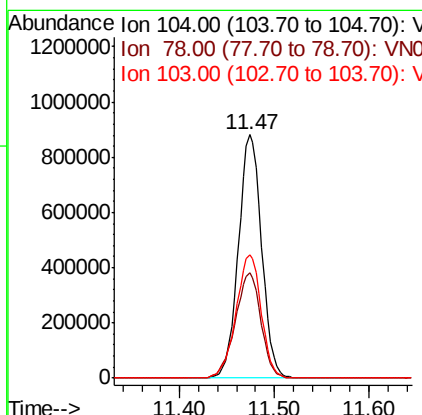
Manual Integrations
APPROVED

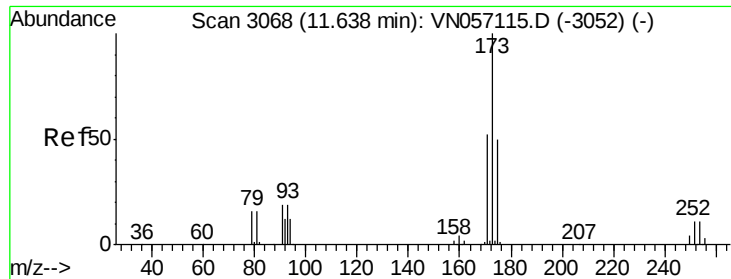
MMDadoda
8/12/2019 3:35:02 PM



#70
Styrene
Concen: 51.725 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1494933		
78	47.8	38.5	57.7	
103	55.0	44.6	66.8	





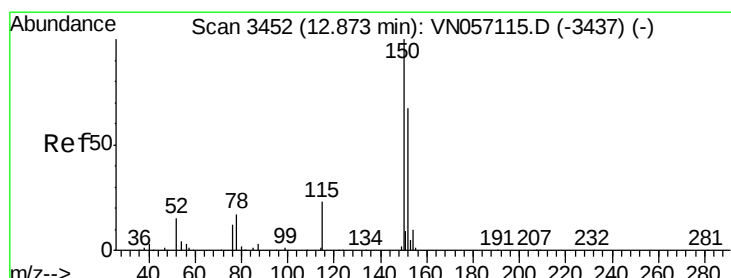
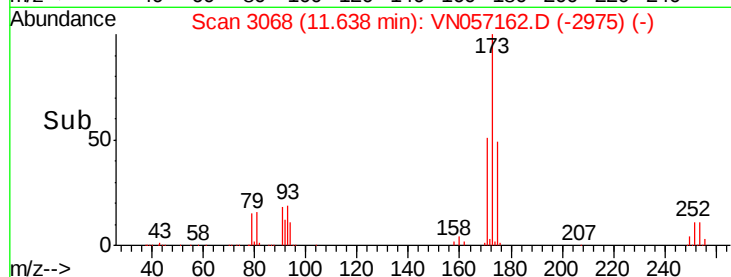
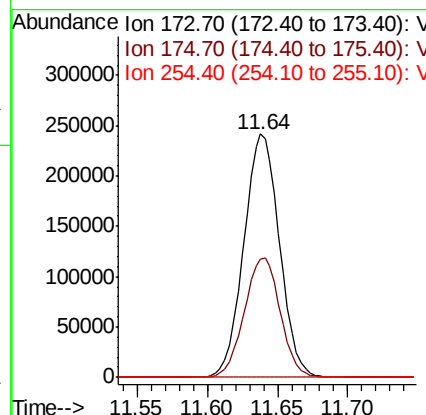
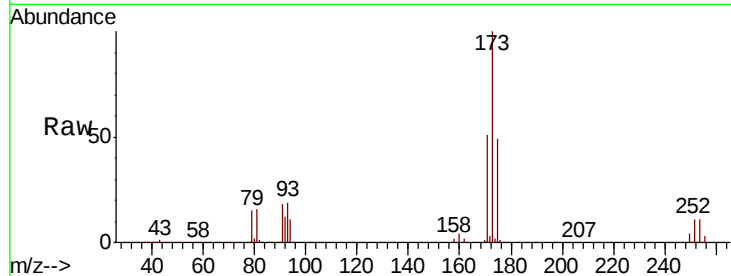
#71
Bromoform
Concen: 53.089 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.1	0.1	0.1#

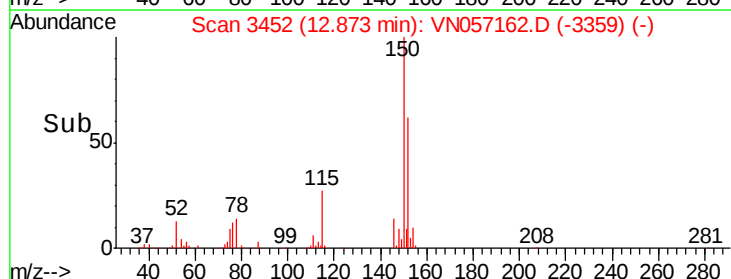
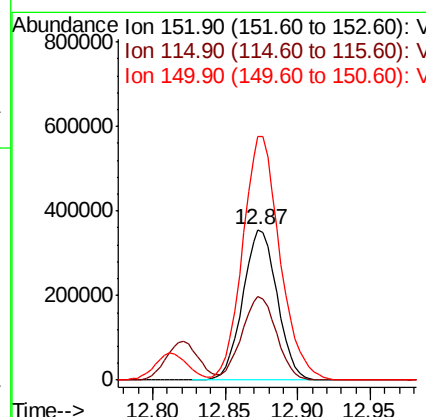
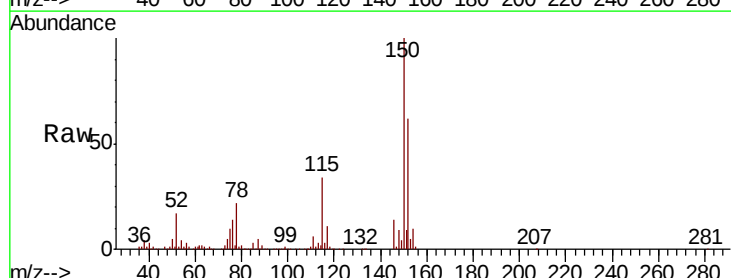
Manual Integrations
APPROVED

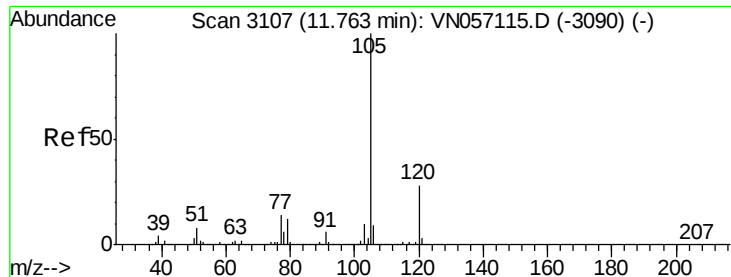
MMDadoda
8/12/2019 3:35:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.5
150	176.1	0.0	341.6





#73

Isopropylbenzene

Concen: 51.358 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2434943

Ion Ratio Lower Upper

105 100

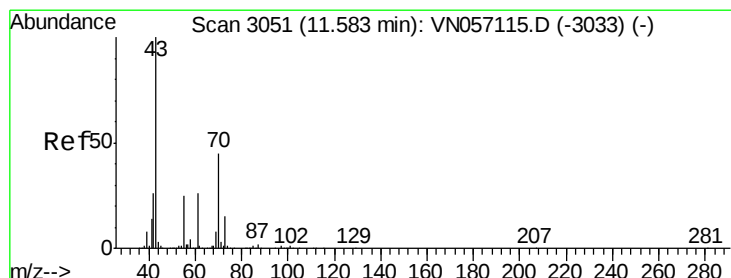
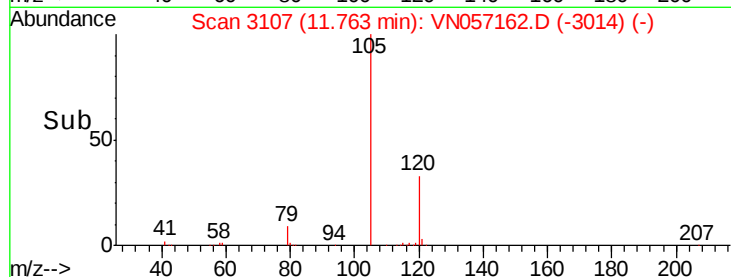
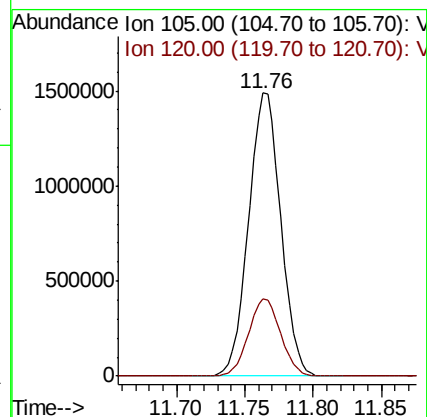
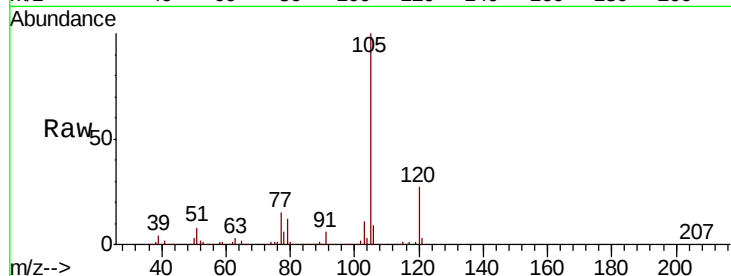
120 27.3 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:35:02 PM



#74

N-ethyl acetate

Concen: 47.700 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion: 43 Resp: 704608

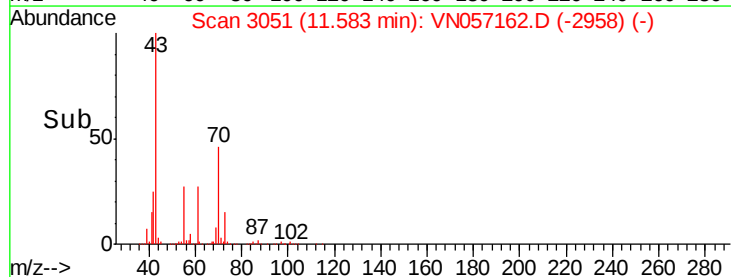
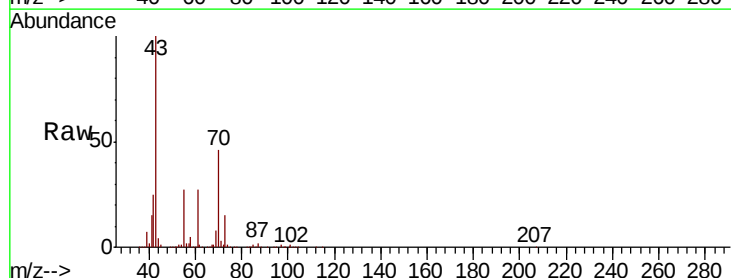
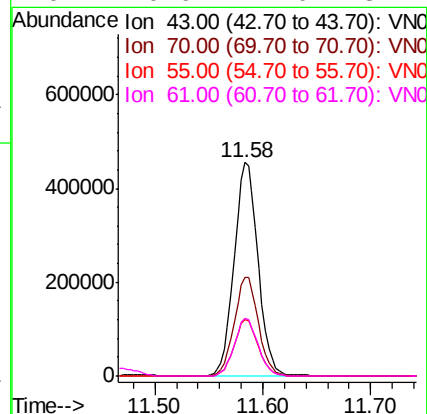
Ion Ratio Lower Upper

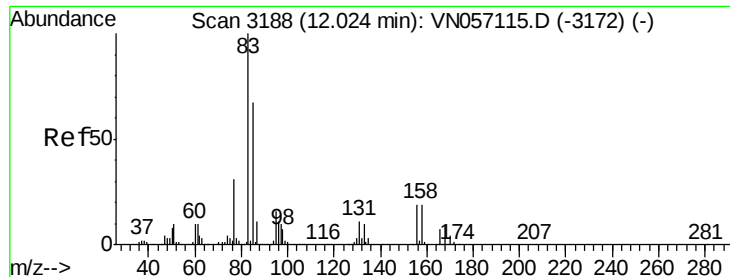
43 100

70 46.8 36.8 55.2

55 26.5 20.6 31.0

61 26.9 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.464 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

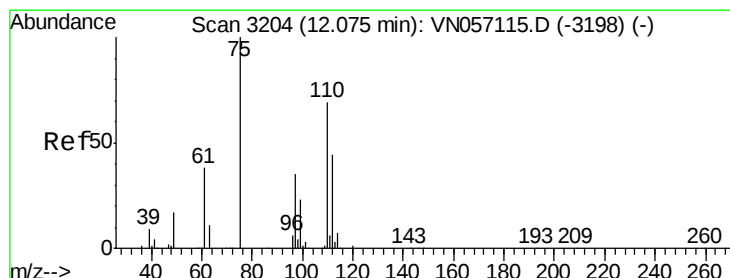
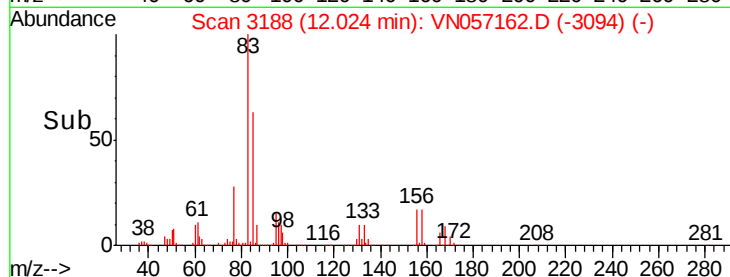
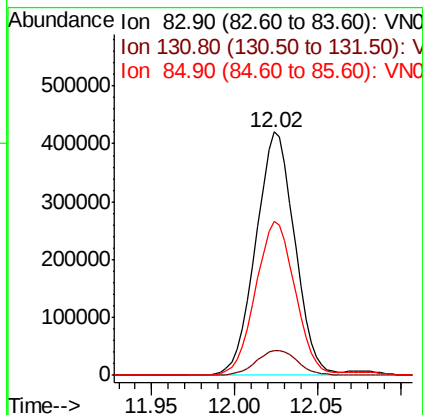
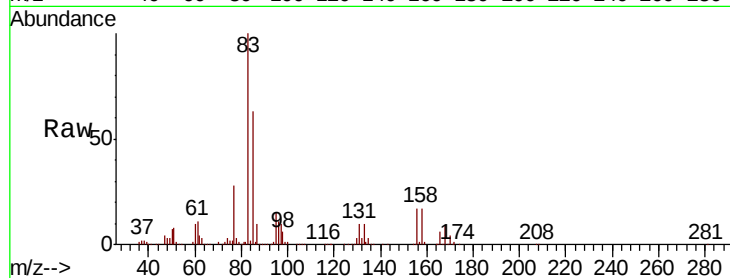
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	687547
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.775 ug/l m

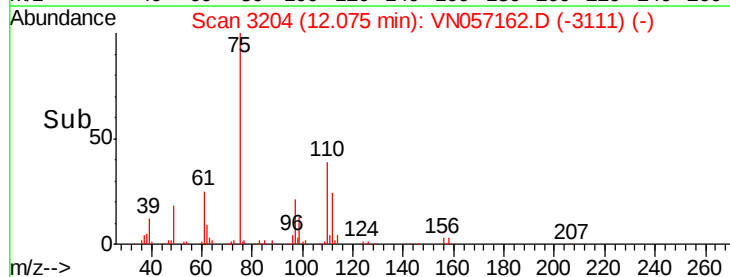
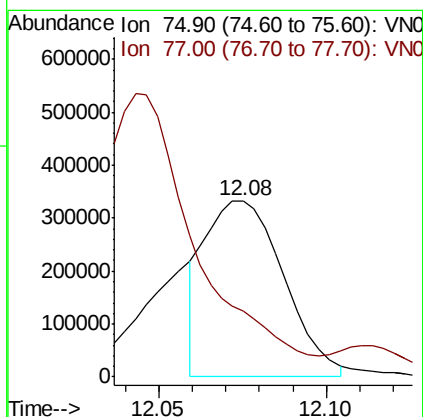
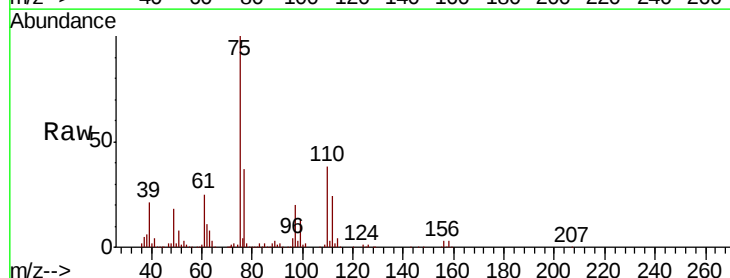
RT: 12.08 min Scan# 3204

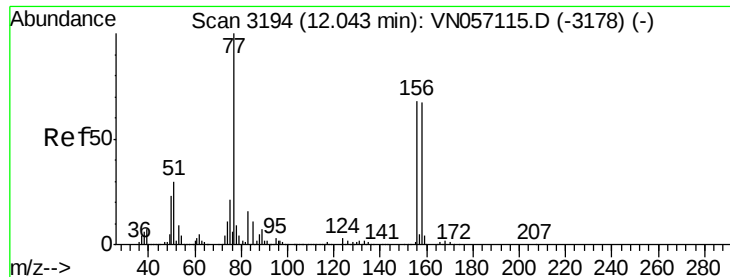
Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:	75	Resp:	545032
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.012 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

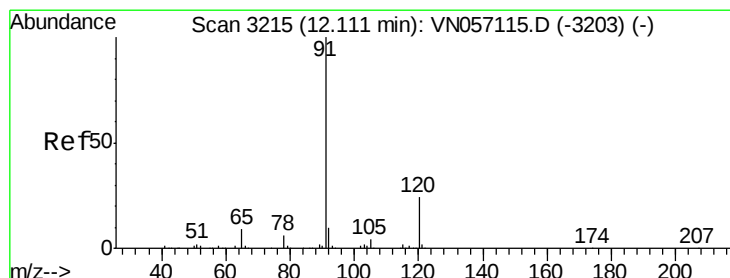
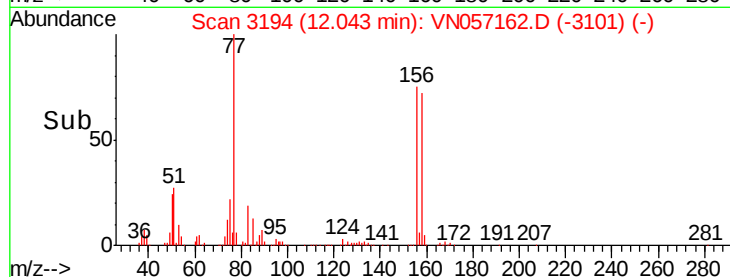
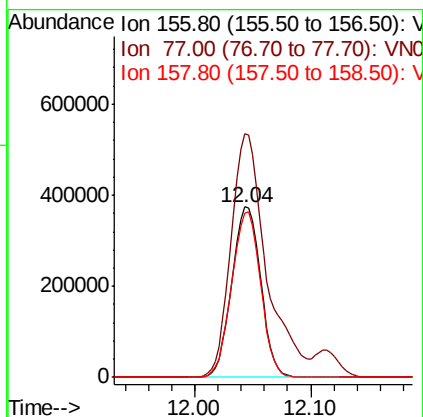
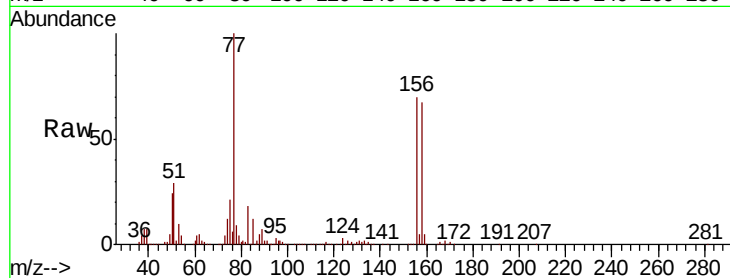
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.0	88.7	266.1
158	97.1	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.935 ug/l

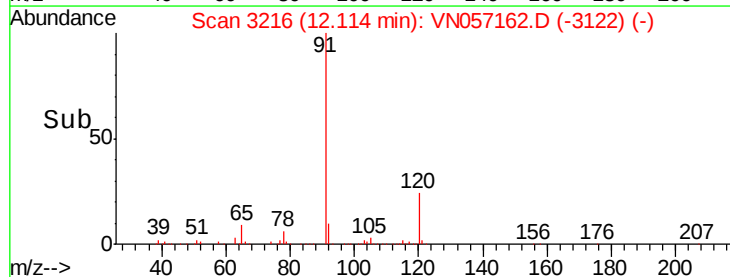
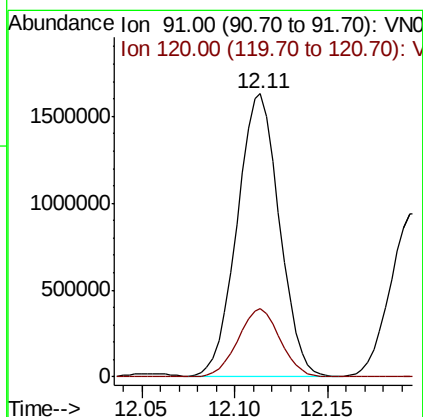
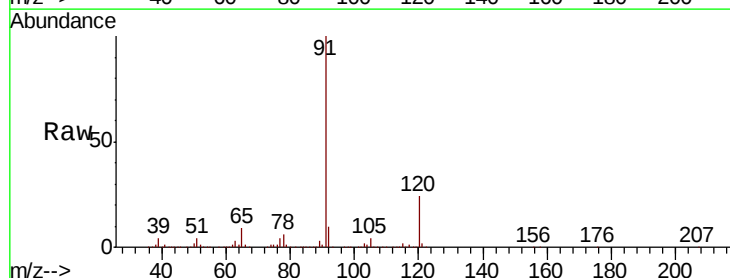
RT: 12.11 min Scan# 3216

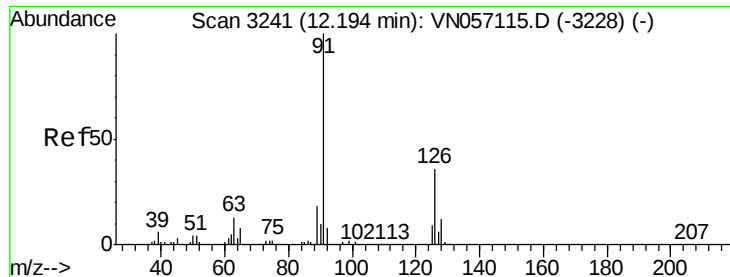
Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.488 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1572528

Ion Ratio Lower Upper

91 100

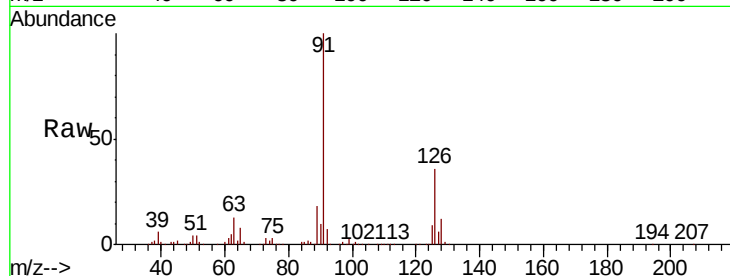
126 36.2 18.1 54.3

Manual Integrations

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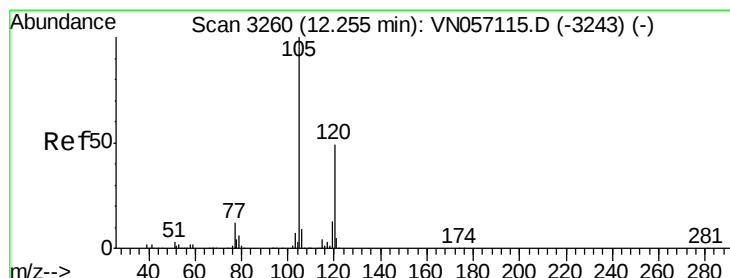
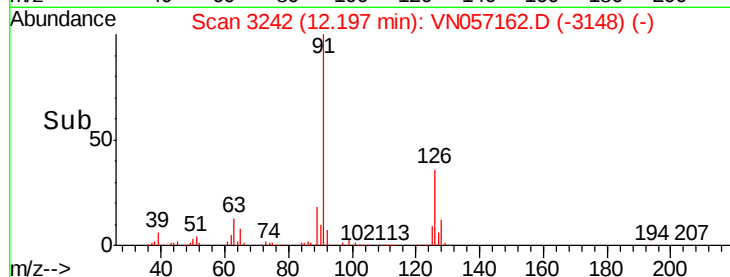
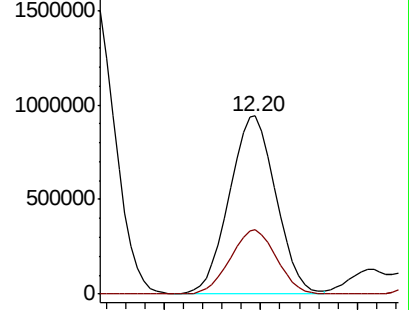
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Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.039 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057162.D

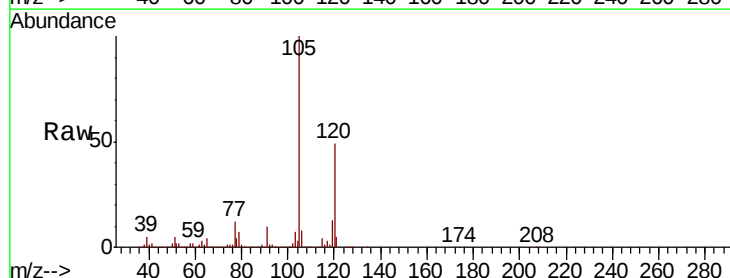
Acq: 9 Aug 2019 21:36

Tgt Ion:105 Resp: 2026865

Ion Ratio Lower Upper

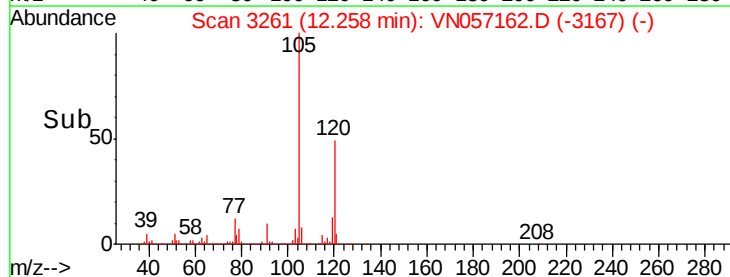
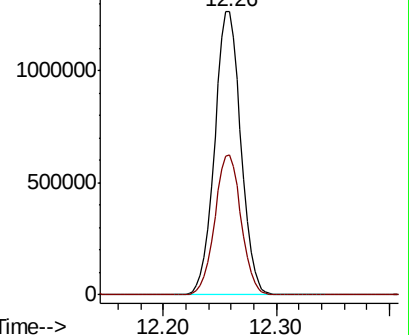
105 100

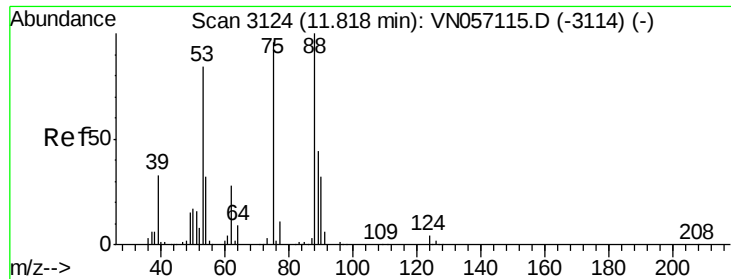
120 49.6 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.513 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

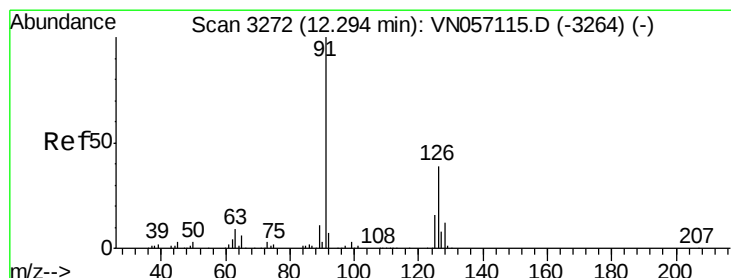
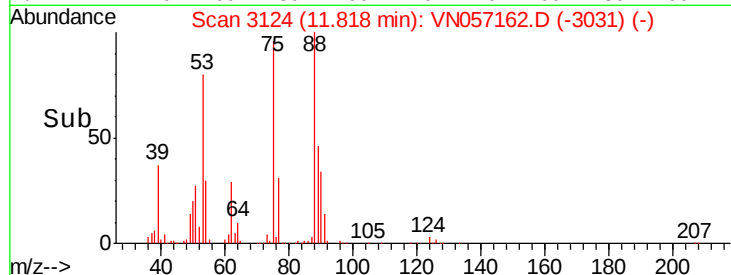
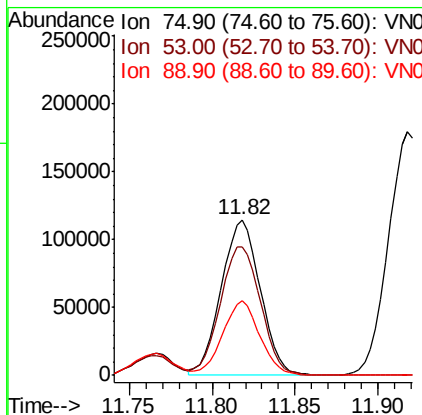
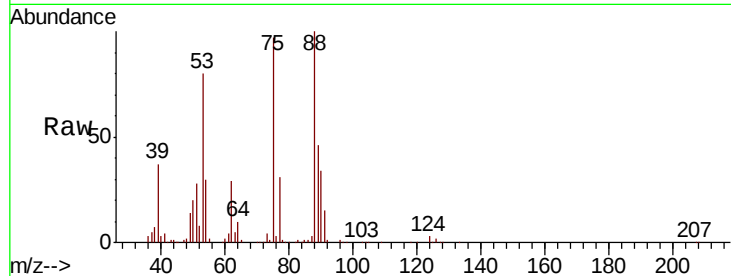
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	188365
Ion	Ratio	Lower	Upper
75	100		
53	85.4	70.6	106.0
89	45.5	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.836 ug/l

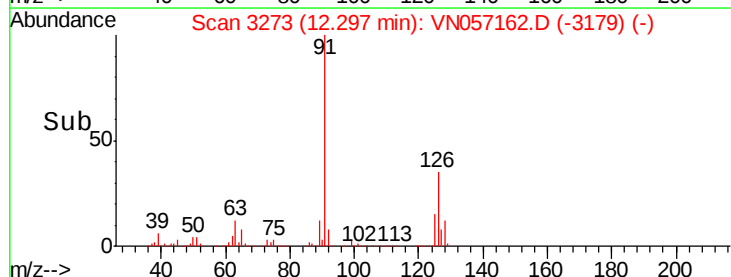
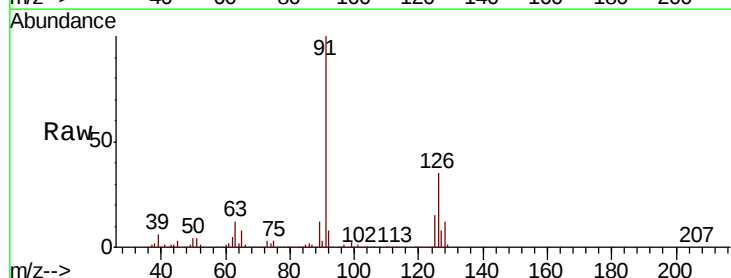
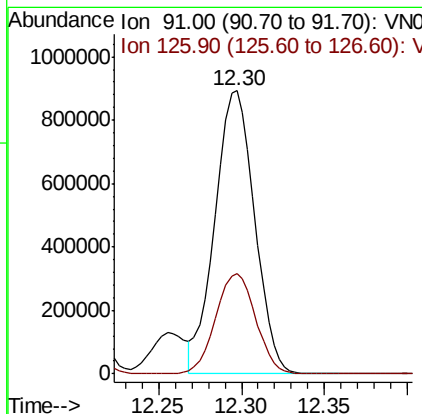
RT: 12.30 min Scan# 3273

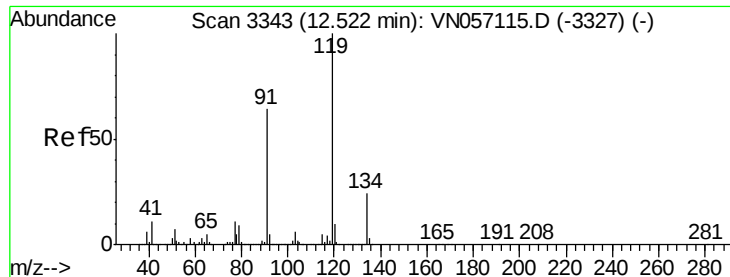
Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:	91	Resp:	1484166
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





#83

tert-Butylbenzene

Concen: 51.412 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1821798

Ion Ratio Lower Upper

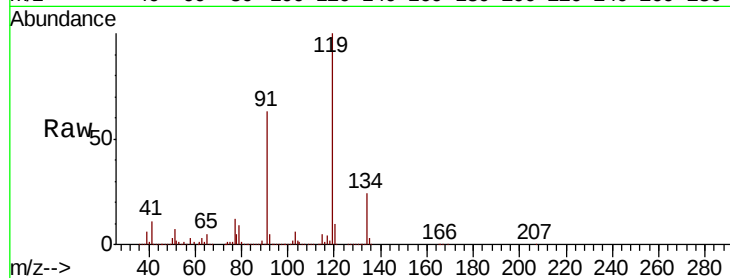
119 100

91 61.3 31.4 94.2

134 25.8 13.2 39.6

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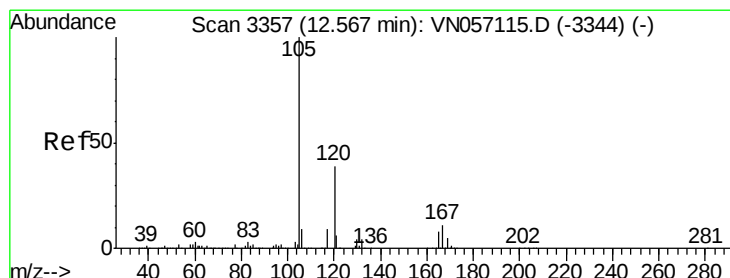
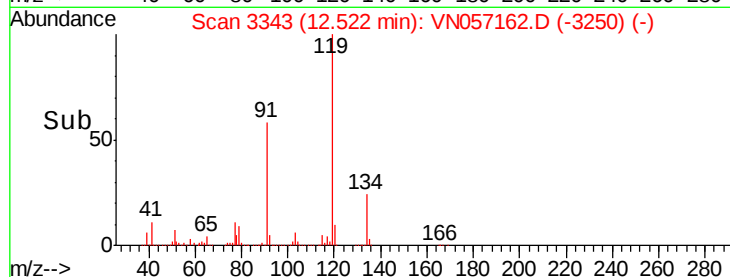
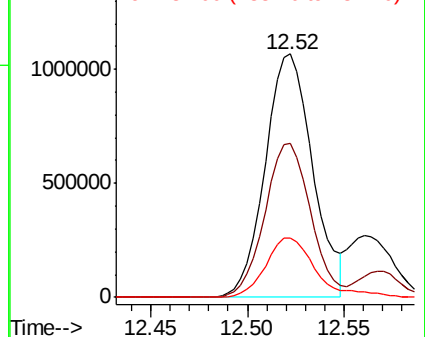
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.426 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057162.D

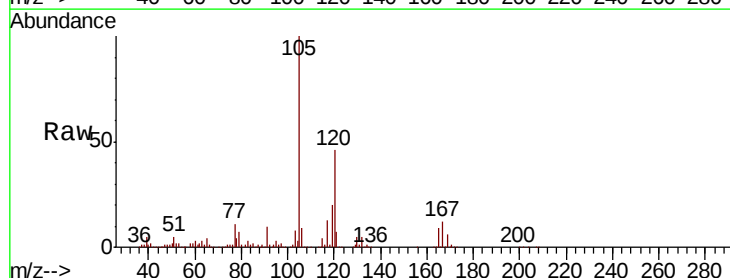
Acq: 9 Aug 2019 21:36

Tgt Ion:105 Resp: 1932434

Ion Ratio Lower Upper

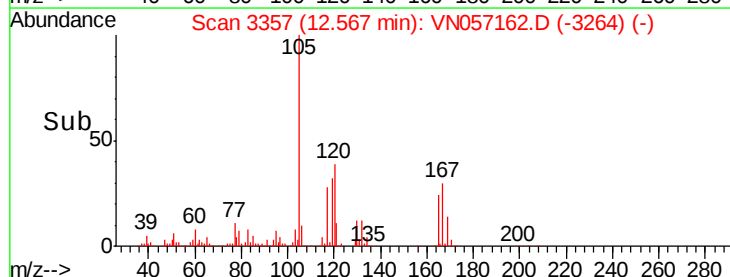
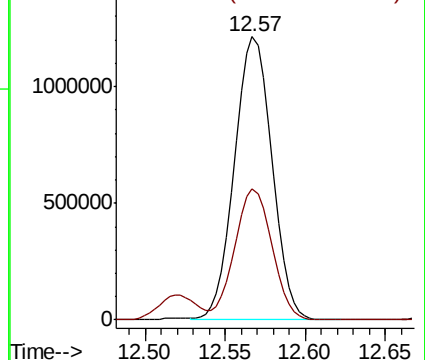
105 100

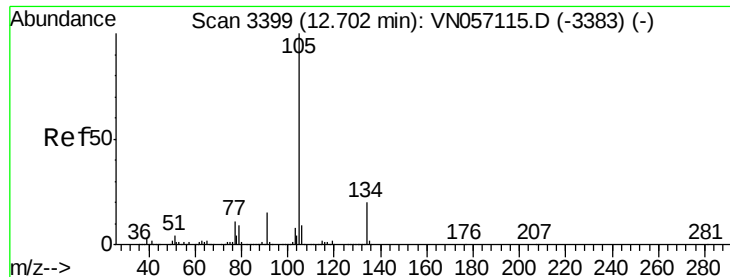
120 46.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.259 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2247723

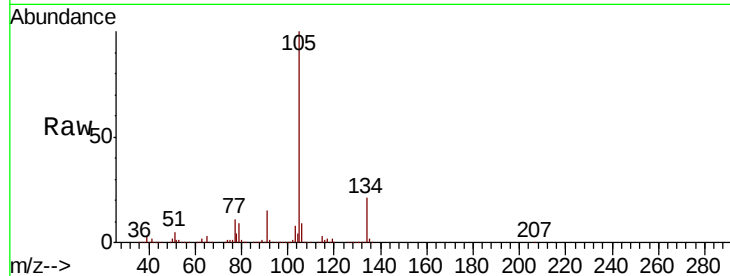
Ion Ratio Lower Upper

105 100

134 21.0 10.2 30.4

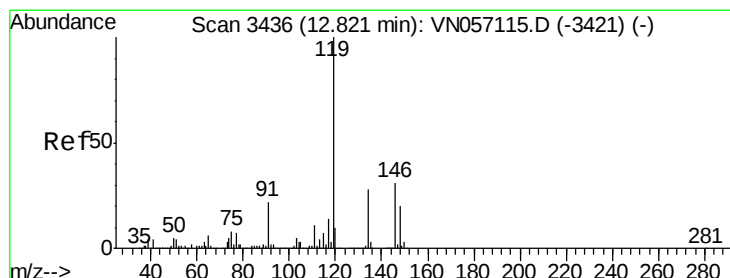
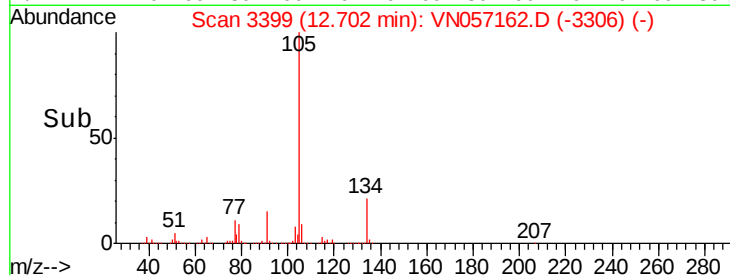
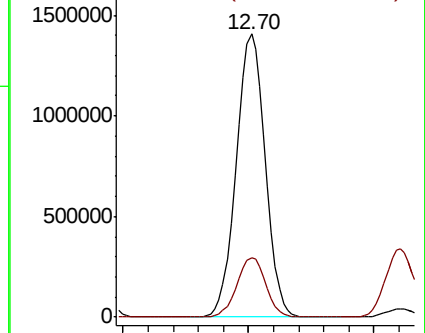
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.756 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

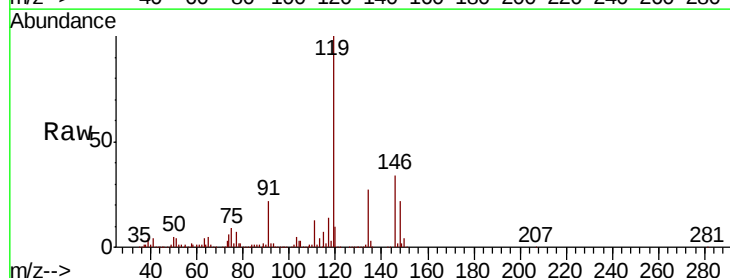
Tgt Ion:119 Resp: 1994506

Ion Ratio Lower Upper

119 100

134 27.1 13.8 41.3

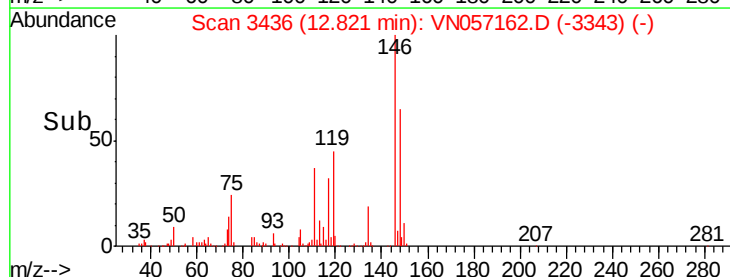
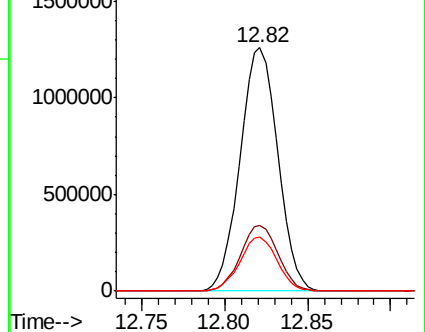
91 21.9 11.0 33.0

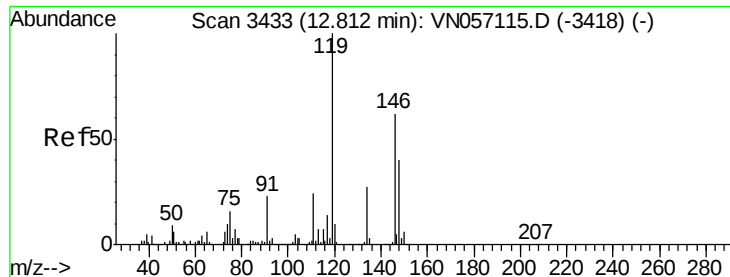


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.541 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

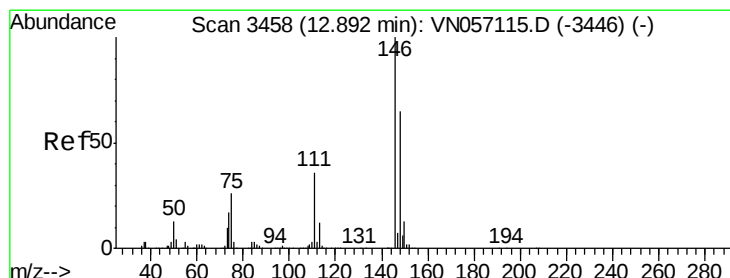
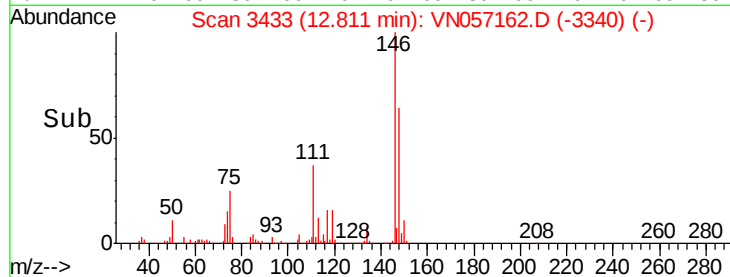
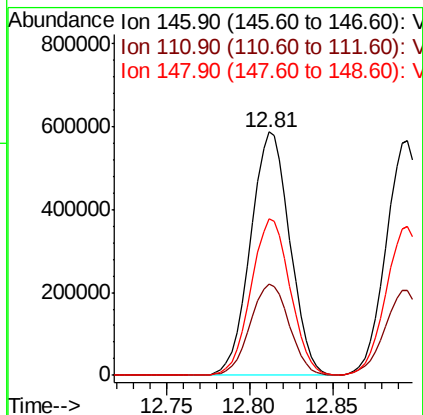
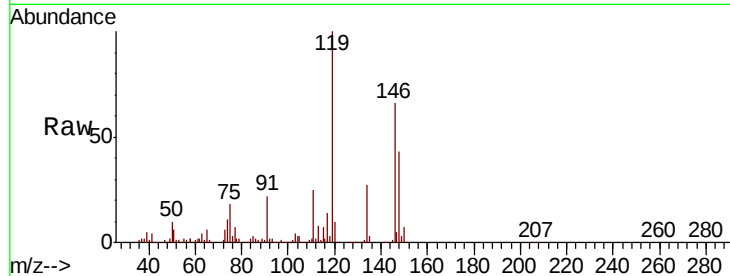
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	968244
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.4
148	64.1	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 48.765 ug/l

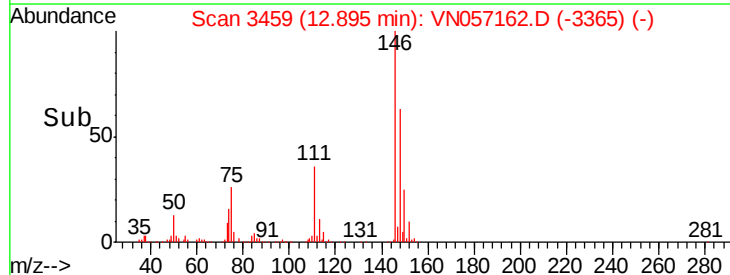
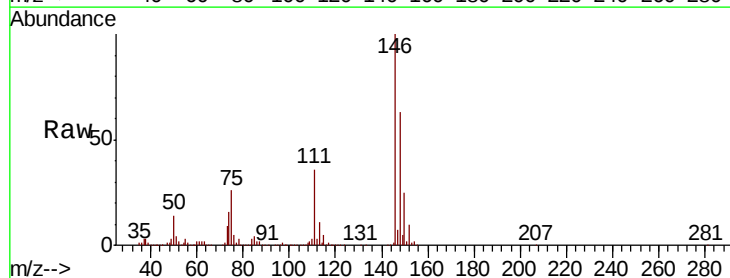
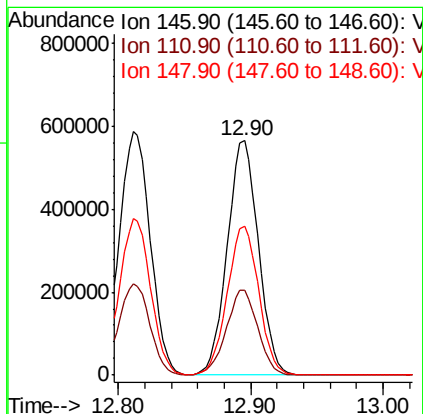
RT: 12.90 min Scan# 3459

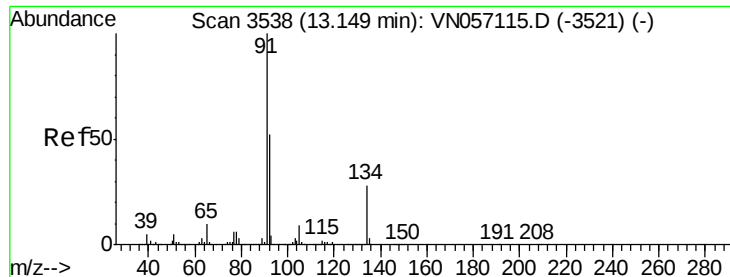
Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:	146	Resp:	921629
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.2	54.6
148	64.2	32.0	96.2





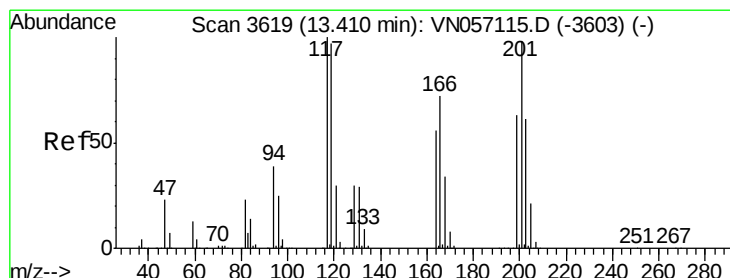
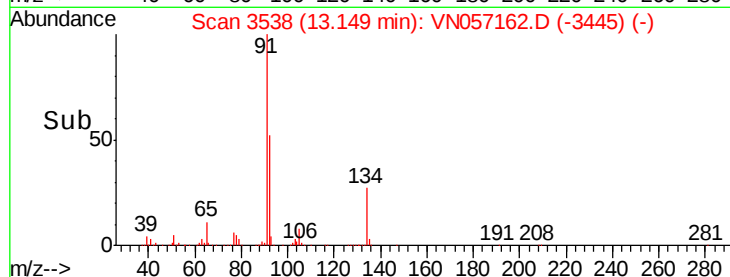
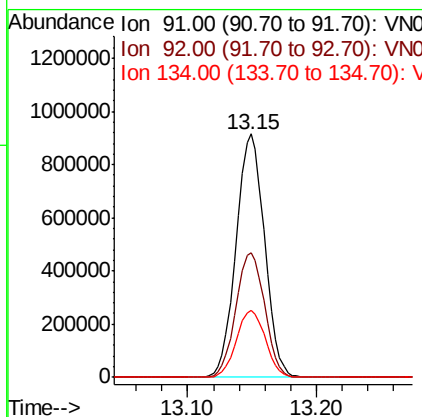
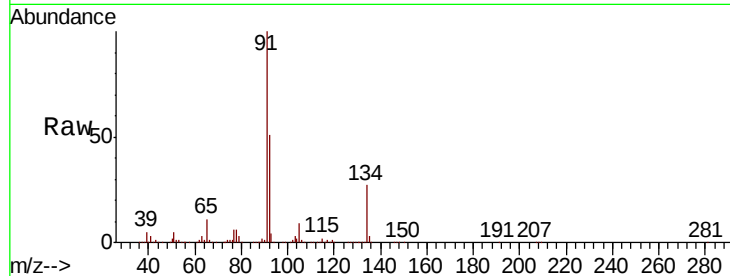
#89
n-Butylbenzene
Concen: 45.545 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.4
134	27.9	14.1	42.3

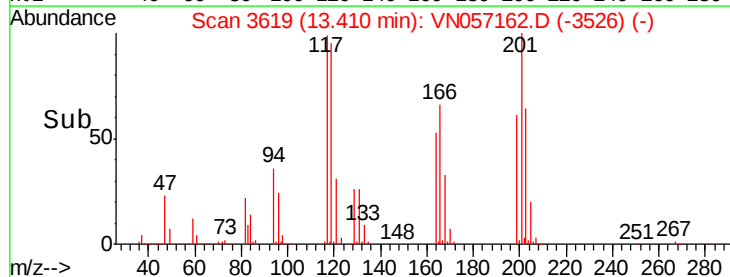
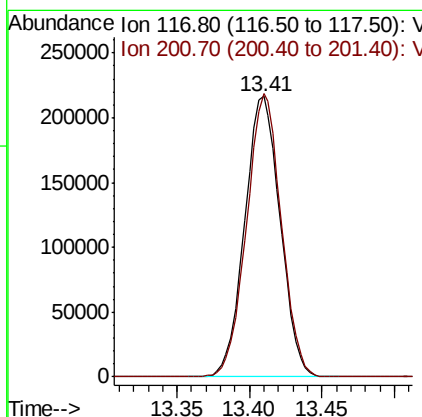
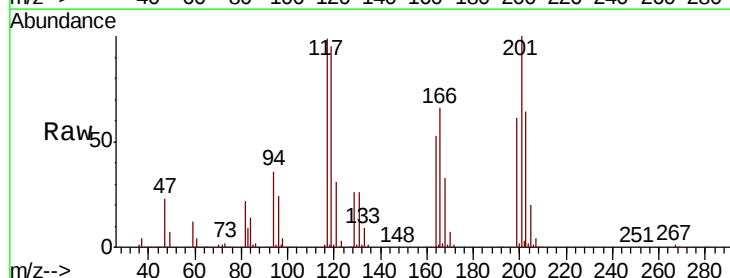
Manual Integrations
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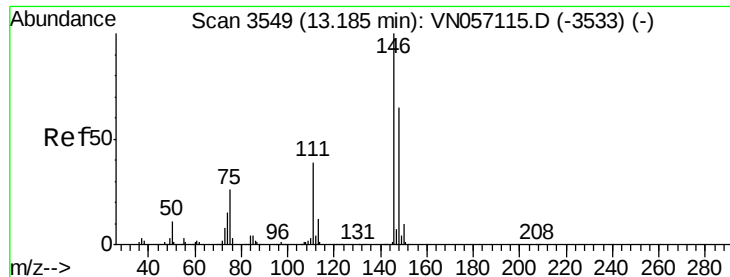
MMDadoda
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#90
Hexachloroethane
Concen: 52.143 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057162.D
Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	49.3	147.8





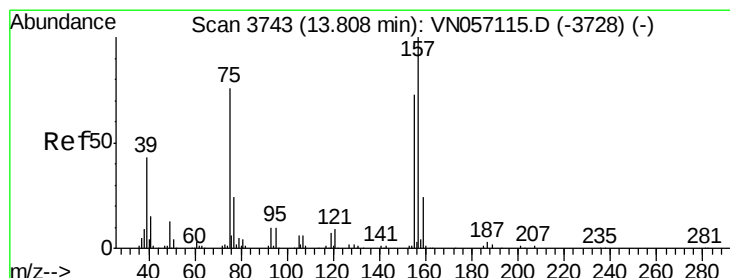
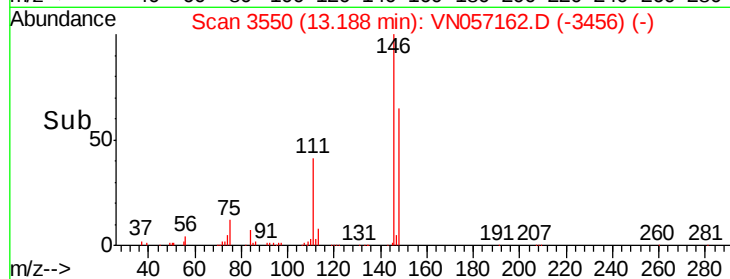
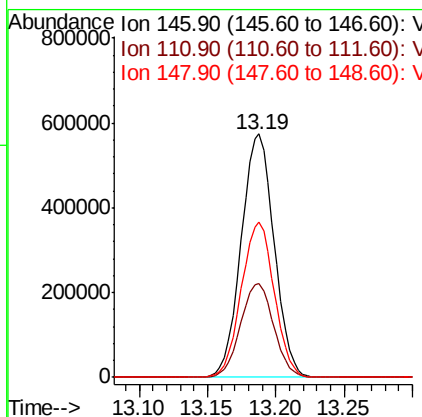
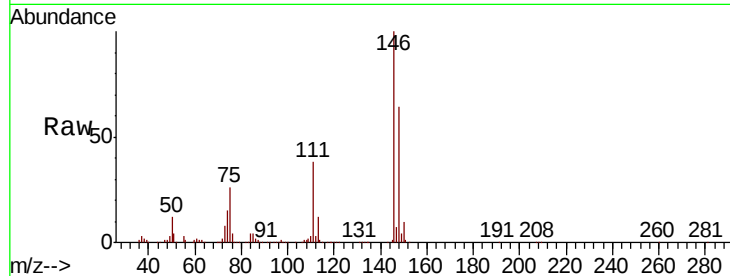
#91
 1,2-Dichlorobenzene
 Concen: 48.373 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	963537		
111	38.6	19.2	57.6	
148	63.8	32.4	97.0	

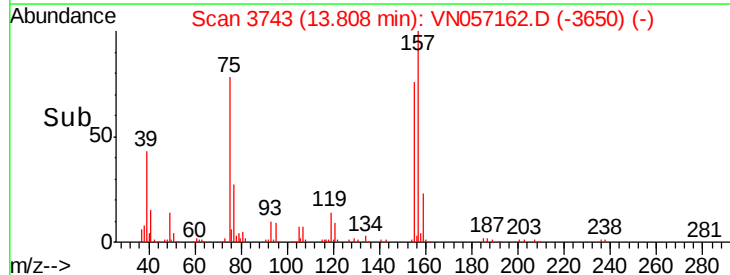
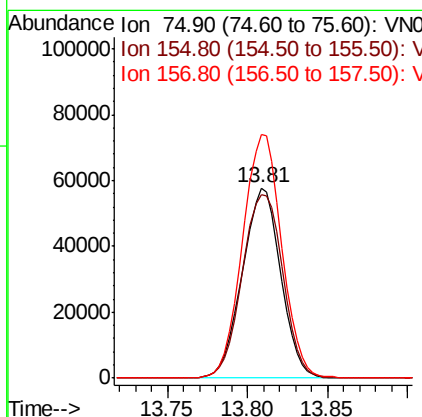
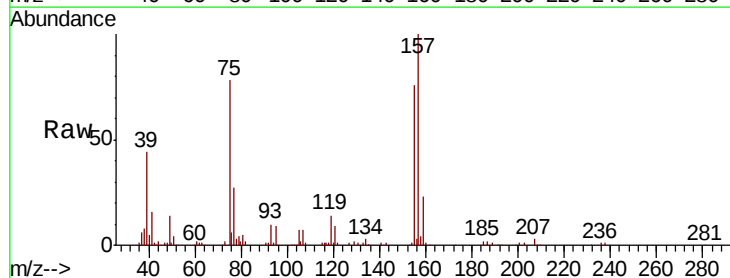
Manual Integrations
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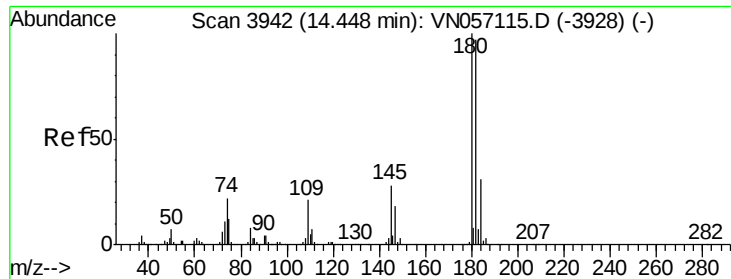
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.117 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94498		
155	102.4	49.3	147.9	
157	130.4	65.3	195.8	





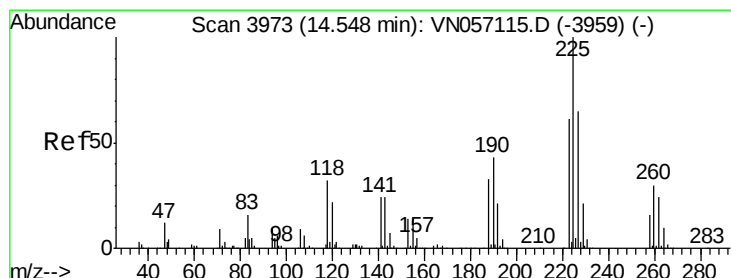
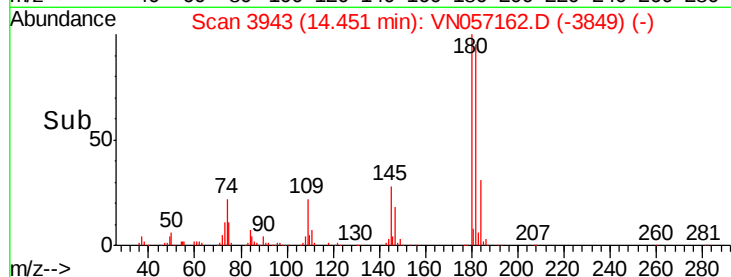
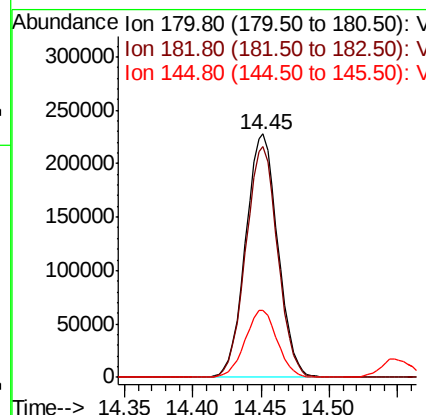
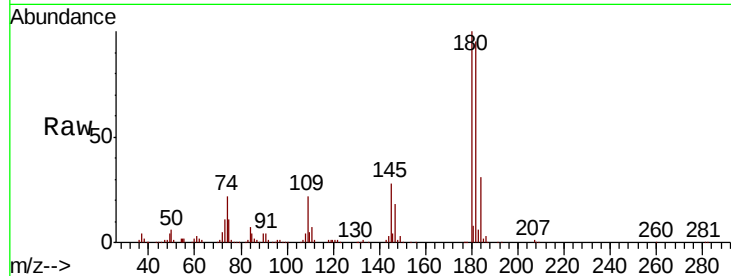
#93
 1,2,4-Trichlorobenzene
 Concen: 44.862 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	47.5	142.6	
145	27.5	14.1	42.2	

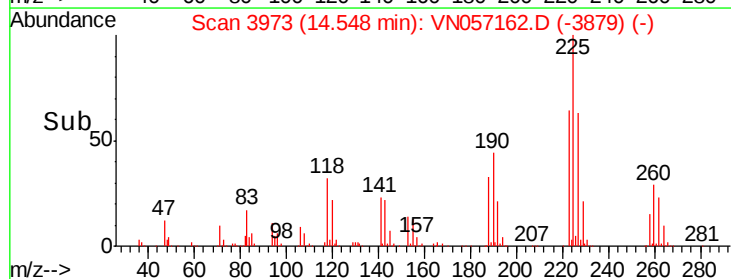
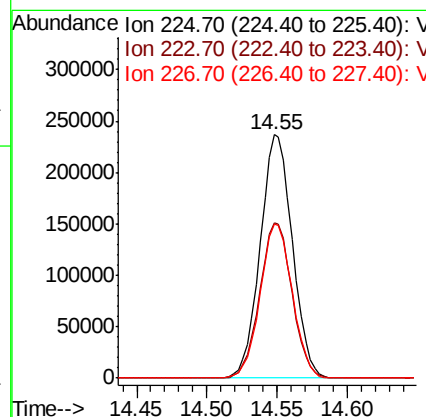
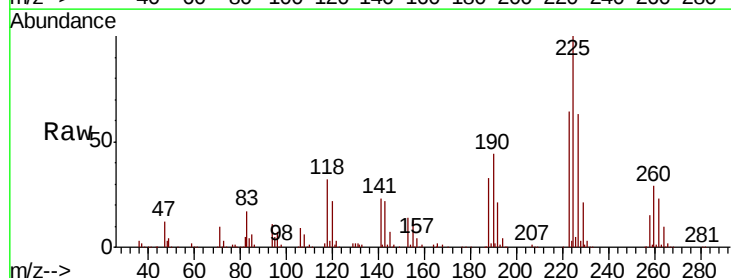
Manual Integrations
 APPROVED

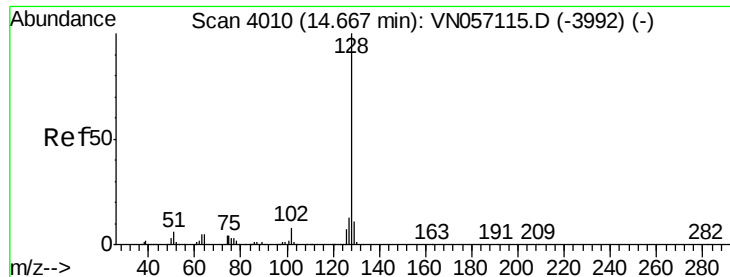
MMDadoda
 8/12/2019 3:35:02 PM



#94
 Hexachlorobutadiene
 Concen: 54.629 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057162.D
 Acq: 9 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	30.9	92.8	
227	63.2	32.4	97.0	





#95

Naphthalene

Concen: 43.174 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Instrument :

MSVOA_N

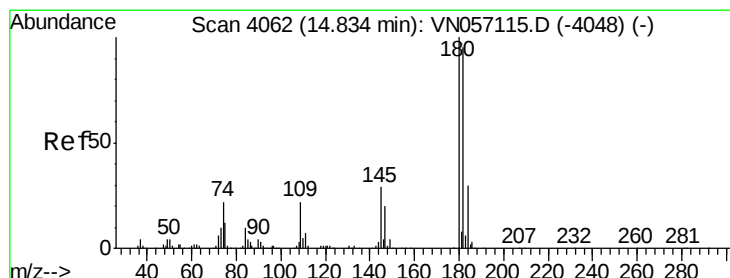
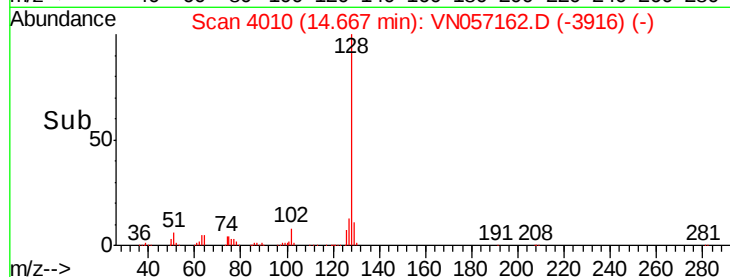
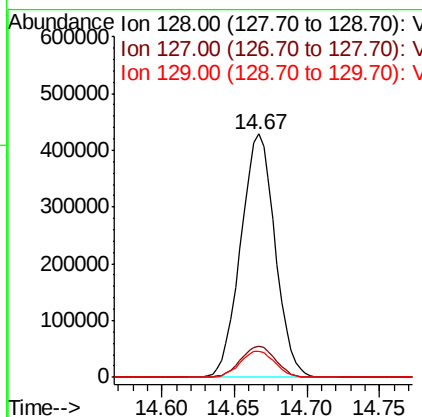
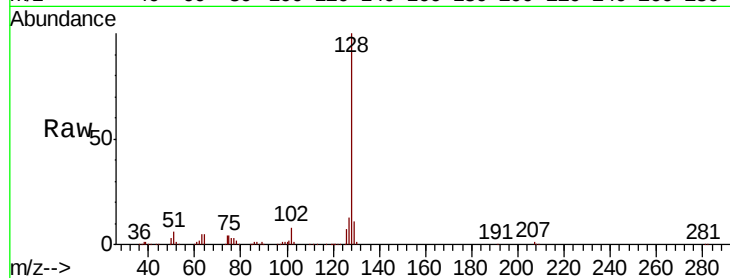
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	706501
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 41.561 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057162.D

Acq: 9 Aug 2019 21:36

Tgt Ion:	180	Resp:	353607
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.8
145	29.4	14.9	44.5

