

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080219\
 Data File : VN057051.D
 Acq On : 2 Aug 2019 8:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 2:16:39 PM

Quant Time: Aug 03 04:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	509518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	720553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	645499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	281029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	250549	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	7.58	113	233948	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.08	98	881067	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	295203	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	264776	51.404	ug/l	97
3) Chloromethane	2.05	50	274729	44.541	ug/l	99
4) Vinyl Chloride	2.18	62	263134	45.497	ug/l	100
5) Bromomethane	2.54	94	155593	43.274	ug/l	100
6) Chloroethane	2.68	64	143033	44.863	ug/l	98
7) Trichlorofluoromethane	3.00	101	378142	49.948	ug/l	98
8) Diethyl Ether	3.40	74	135966	47.987	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	231707	49.365	ug/l	99
10) Methyl Iodide	3.94	142	319688	50.971	ug/l	99
11) Tert butyl alcohol	4.77	59	156969	222.655	ug/l	100
12) 1,1-Dichloroethene	3.72	96	217228	48.503	ug/l	99
13) Acrolein	3.59	56	86242	238.357	ug/l	100
14) Allyl chloride	4.30	41	344665	47.310	ug/l	98
15) Acrylonitrile	4.97	53	491211	237.597	ug/l	99
16) Acetone	3.80	43	522325	276.434	ug/l	99
17) Carbon Disulfide	4.04	76	526186	44.215	ug/l	98
18) Methyl Acetate	4.31	43	268770	44.589	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	667953	50.019	ug/l	99
20) Methylene Chloride	4.53	84	254353	46.732	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	231926	48.760	ug/l	97
22) Diisopropyl ether	5.93	45	725647	48.343	ug/l	97
23) Vinyl Acetate	5.88	43	2512734	241.607	ug/l	99
24) 1,1-Dichloroethane	5.83	63	430741	48.637	ug/l	99
25) 2-Butanone	6.82	43	656665	245.086	ug/l	96
26) 2,2-Dichloropropane	6.81	77	336781	50.012	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	272205	48.386	ug/l	99
28) Bromochloromethane	7.18	49	177268	42.584	ug/l	99
29) Tetrahydrofuran	7.20	42	394956	225.932	ug/l	99
30) Chloroform	7.36	83	431531	47.657	ug/l	100
31) Cyclohexane	7.64	56	384315	44.844	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	363993	50.381	ug/l	99
36) 1,1-Dichloropropene	7.78	75	319572	50.403	ug/l	100
37) Ethyl Acetate	6.91	43	241167	47.492	ug/l	98
38) Carbon Tetrachloride	7.76	117	318205	53.057	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405380	50.025	ug/l	99
40) Benzene	8.03	78	983023	50.338	ug/l	100
41) Methacrylonitrile	7.16	41	131826	56.155	ug/l	86
42) 1,2-Dichloroethane	8.11	62	310772	50.776	ug/l	98
43) Isopropyl Acetate	8.15	43	402609	47.969	ug/l #	92
44) Trichloroethene	8.82	130	278541	51.772	ug/l	99
45) 1,2-Dichloropropane	9.11	63	263041	50.358	ug/l	98
46) Dibromomethane	9.20	93	163544	51.917	ug/l	98
47) Bromodichloromethane	9.39	83	326764	52.759	ug/l	100
48) Methyl methacrylate	9.19	41	200015	49.360	ug/l	98
49) 1,4-Dioxane	9.19	88	85368	1022.281	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1212627	243.162	ug/l	100
52) Toluene	10.15	92	600678	51.196	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	338615	52.686	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	395402	52.912	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	236700	50.305	ug/l	98
56) Ethyl methacrylate	10.42	69	329866	46.548	ug/l	99
57) 1,3-Dichloropropane	10.70	76	395261	50.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	572388	203.000	ug/l	98
59) 2-Hexanone	10.74	43	893489	232.828	ug/l	100
60) Dibromochloromethane	10.90	129	262676	54.490	ug/l	98
61) 1,2-Dibromoethane	11.00	107	242500	52.811	ug/l	100
64) Tetrachloroethene	10.62	164	293720	52.803	ug/l	99
65) Chlorobenzene	11.43	112	671392	51.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	252766	51.046	ug/l	99
67) Ethyl Benzene	11.50	91	1166935	51.321	ug/l	100
68) m/p-Xylenes	11.62	106	882880	105.210	ug/l	100
69) o-Xylene	11.94	106	427754	52.103	ug/l	99
70) Styrene	11.96	104	717039	49.435	ug/l	99
71) Bromoform	12.12	173	185117	53.546	ug/l	98
73) Isopropylbenzene	12.24	105	1161673	47.830	ug/l	100
74) N-amyl acetate	12.07	43	324700	46.042	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	296174	48.150	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	261935m	45.895	ug/l	
77) Bromobenzene	12.52	156	302604	47.737	ug/l	98
78) n-propylbenzene	12.59	91	1277461	49.260	ug/l	99
79) 2-Chlorotoluene	12.67	91	753308	47.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	977898	49.057	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87734	49.391	ug/l	99
82) 4-Chlorotoluene	12.77	91	741500	49.620	ug/l	99
83) tert-Butylbenzene	12.99	119	856661	48.546	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	953033	49.688	ug/l	99
85) sec-Butylbenzene	13.17	105	1110561	48.791	ug/l	99
86) p-Isopropyltoluene	13.28	119	1022233	50.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	484497	50.247	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	468495	50.471	ug/l	100
89) n-Butylbenzene	13.61	91	803788	51.609	ug/l	99
90) Hexachloroethane	13.87	117	173044	49.730	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	474968	50.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47312	48.977	ug/l	96

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QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212873	43.836	ug/l	99
94) Hexachlorobutadiene	15.00	225	187345	56.979	ug/l	98
95) Naphthalene	15.12	128	510391	43.265	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	234222	47.454	ug/l	99

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

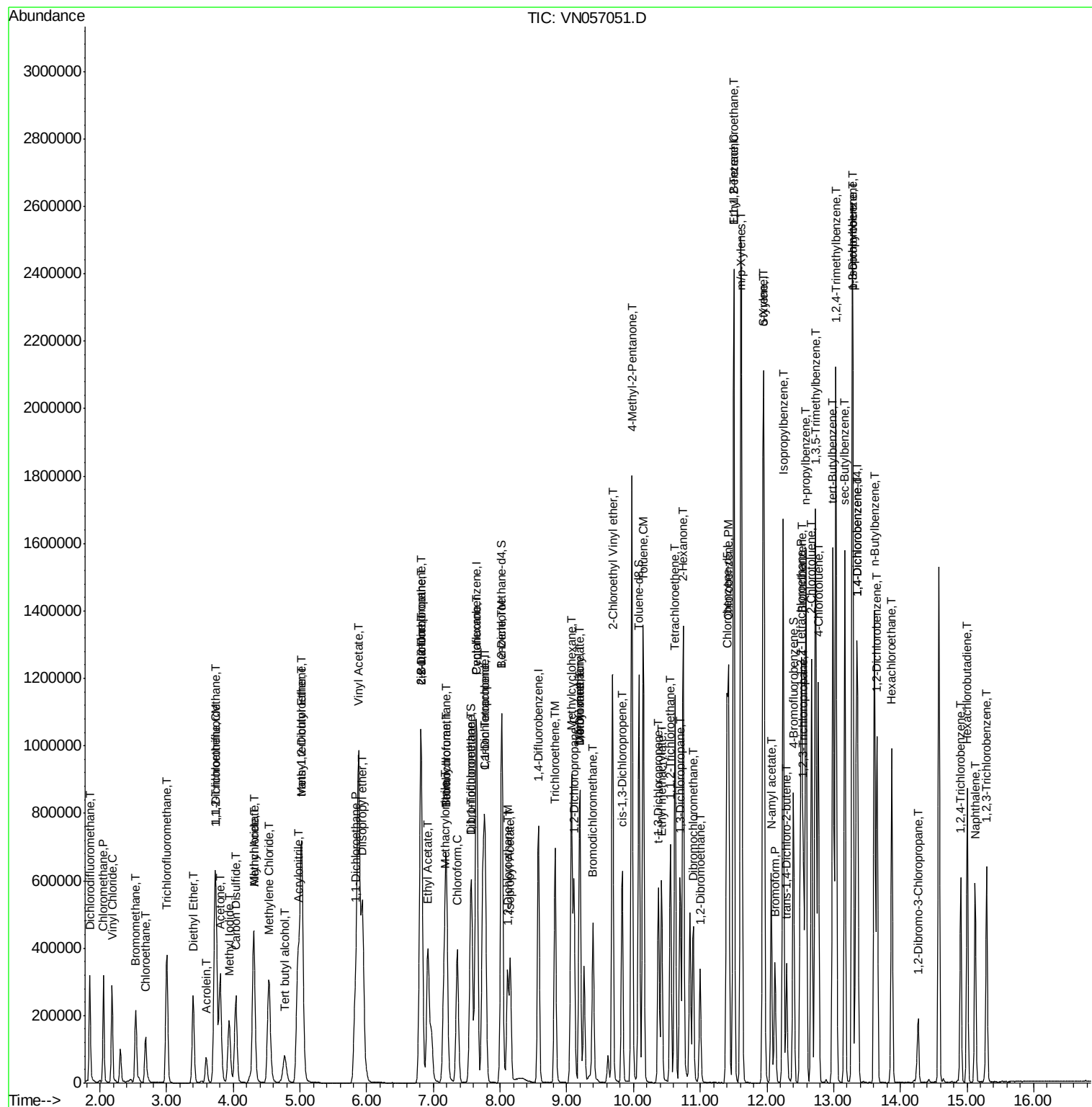
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Operator : JC/SP
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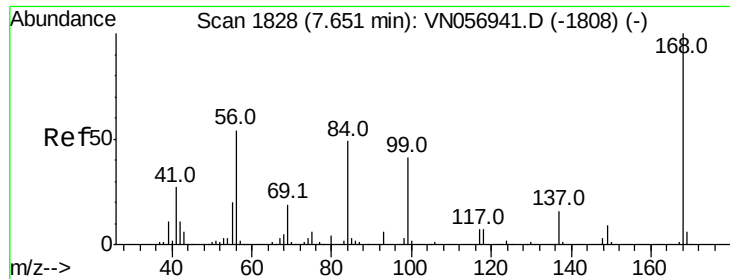
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 509518

Ion Ratio Lower Upper

168 100

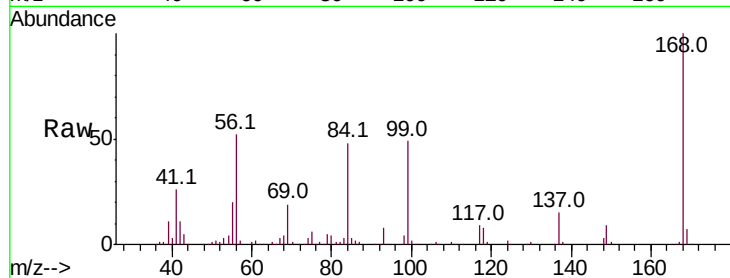
99 48.6 39.0 58.4

Manual Integrations

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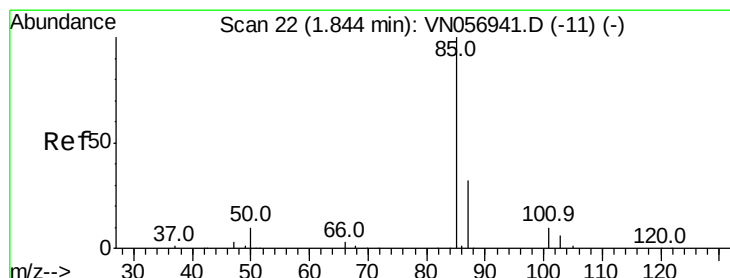
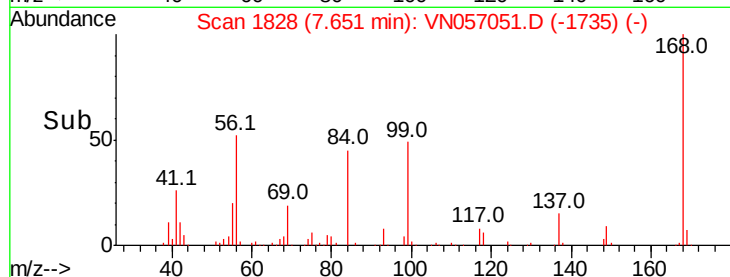
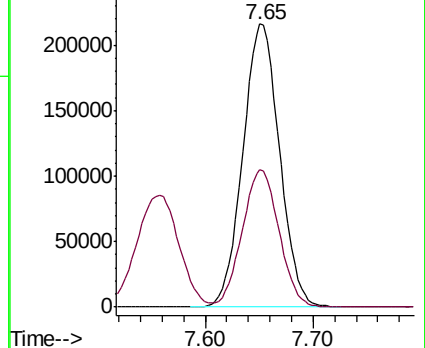
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.404 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057051.D

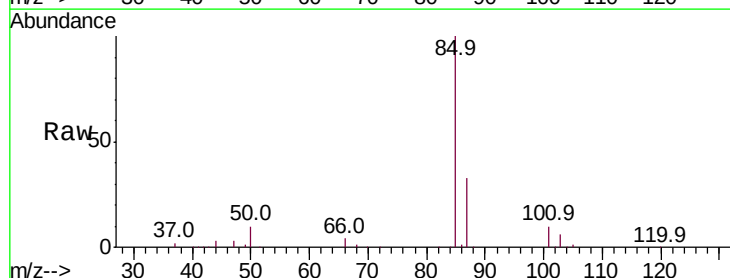
Acq: 2 Aug 2019 8:54

Tgt Ion: 85 Resp: 264776

Ion Ratio Lower Upper

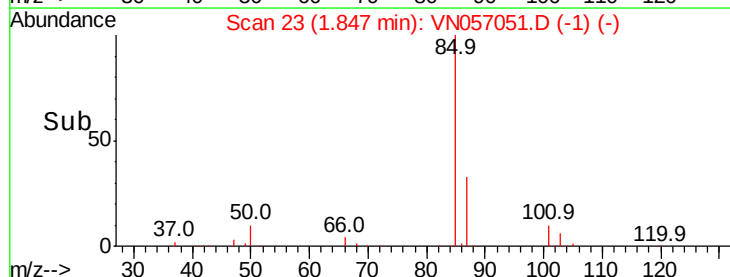
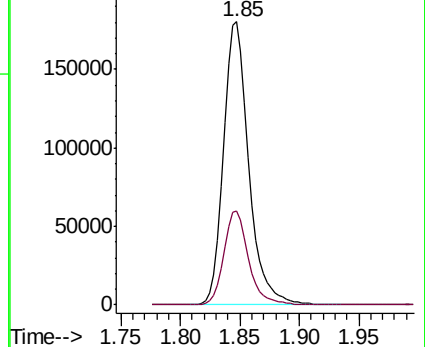
85 100

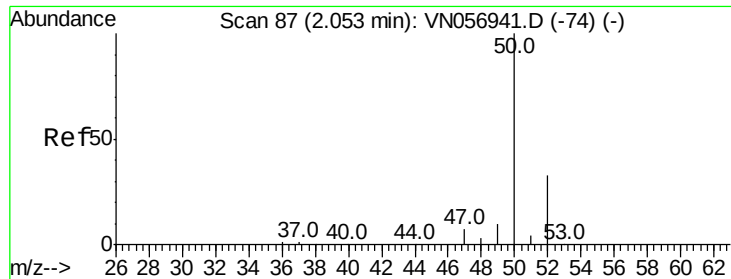
87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





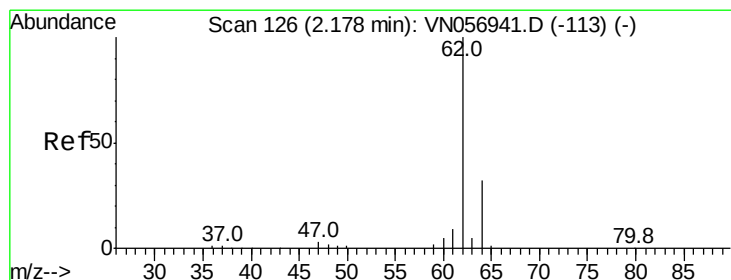
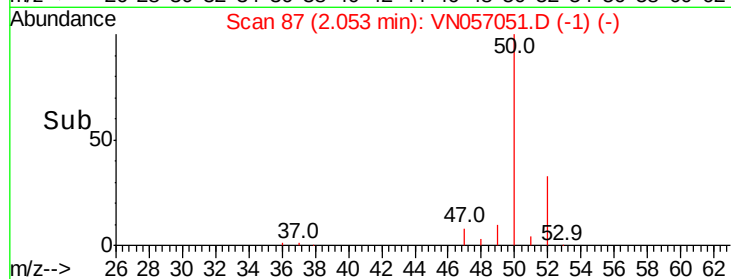
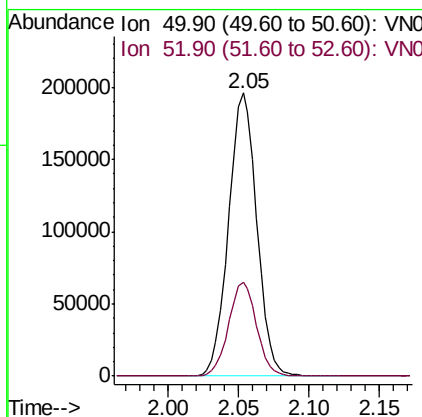
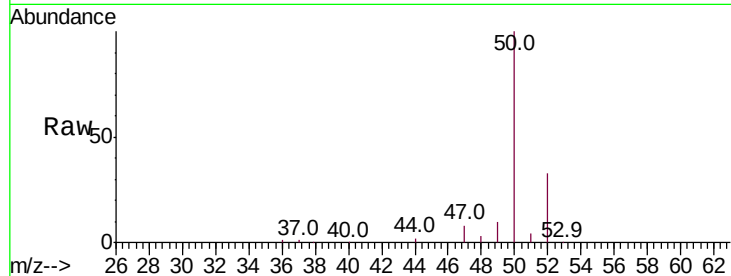
#3
Chloromethane
Concen: 44.541 ug/l
RT: 2.05 min Scan# 87
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.2	39.2

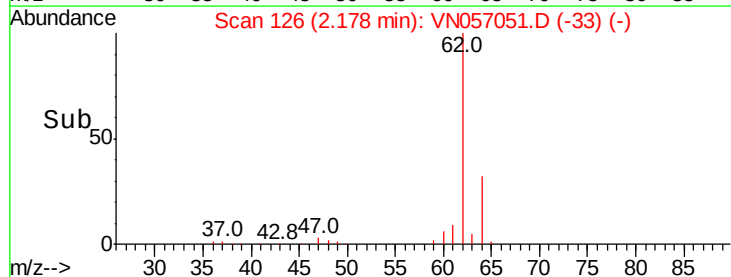
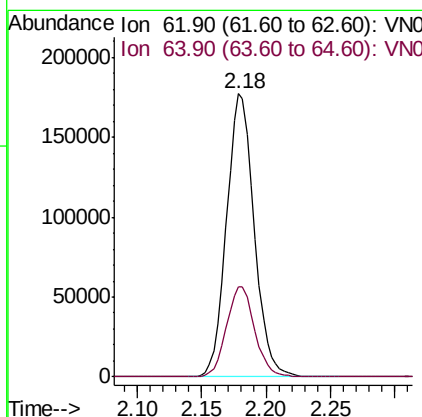
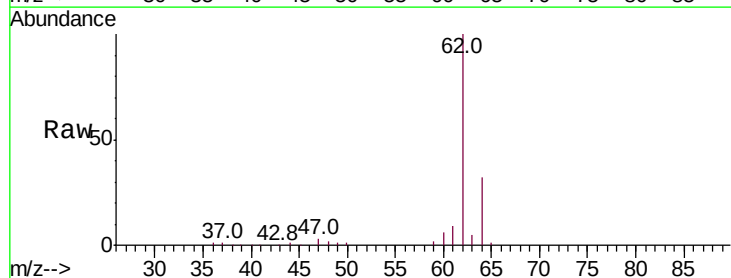
Manual Integrations
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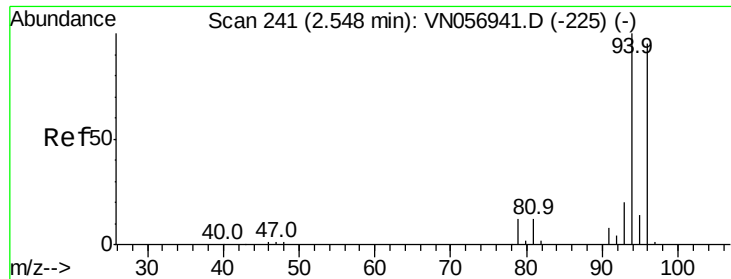
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#4
Vinyl Chloride
Concen: 45.497 ug/l
RT: 2.18 min Scan# 126
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





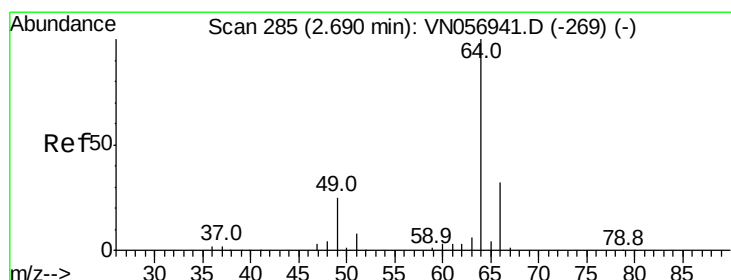
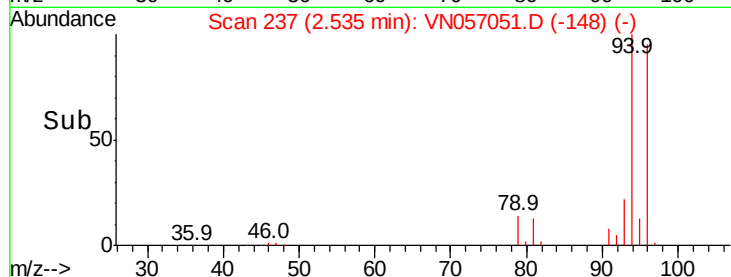
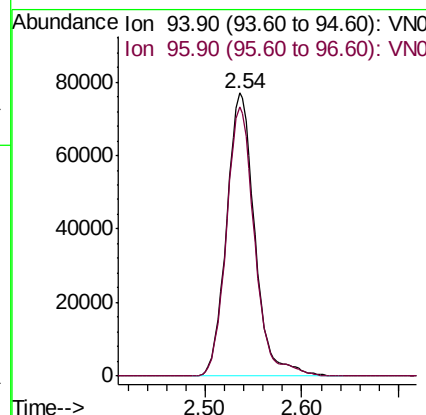
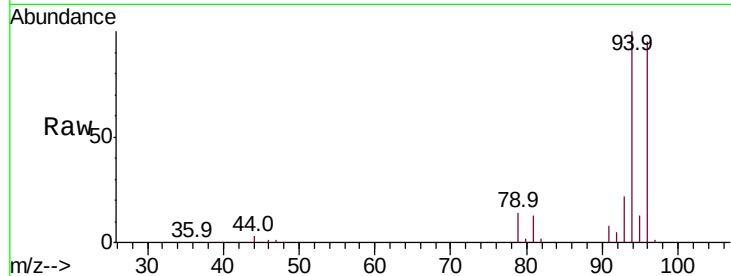
#5
Bromomethane
Concen: 43.274 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
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ClientSampleId :
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Tot Ion	94	Resp	155593
Ion Ratio	100	Lower	Upper
96	95.0	76.2	114.2

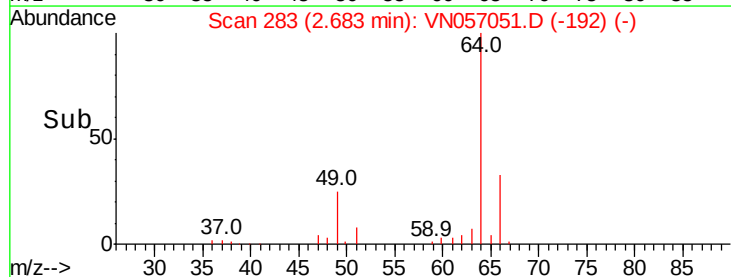
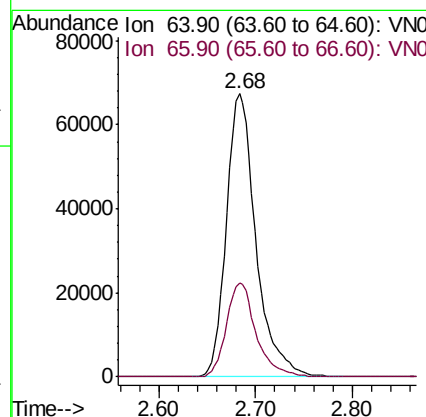
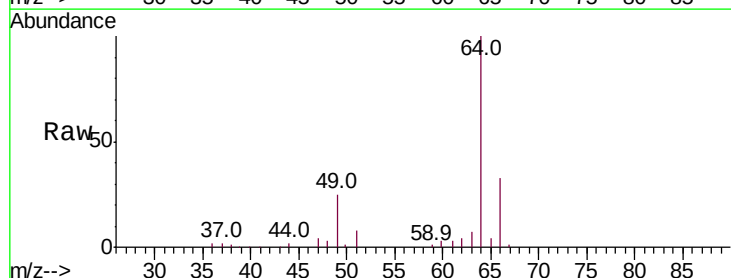
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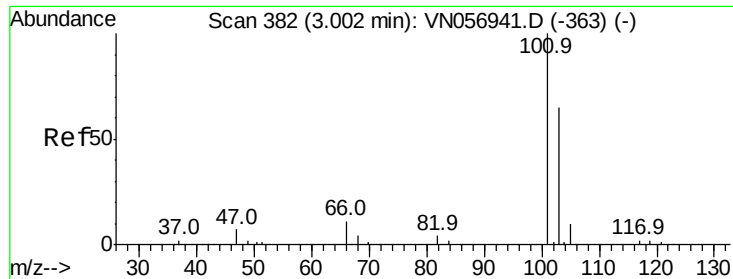
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8/6/2019 2:16:39 PM



#6
Chloroethane
Concen: 44.863 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	64	Resp	143033
Ion Ratio	100	Lower	Upper
66	33.4	25.8	38.8





#7

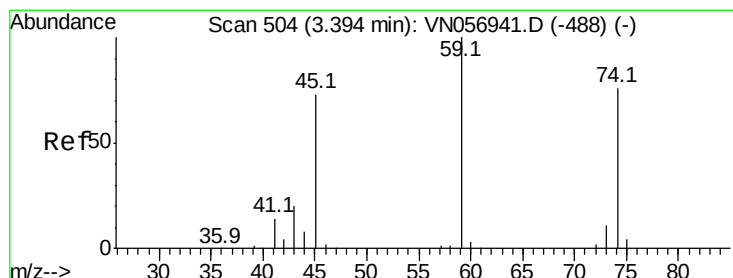
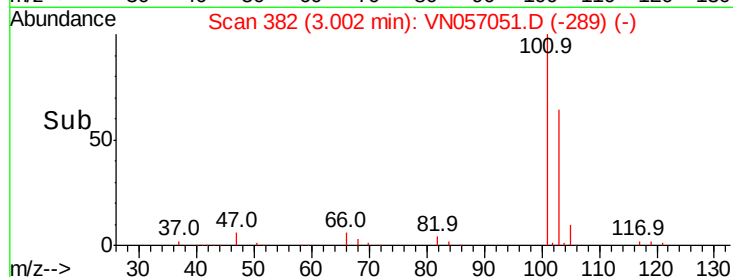
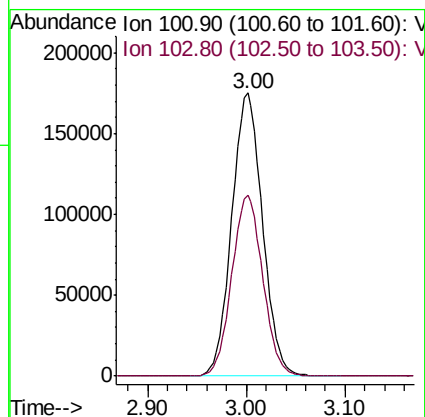
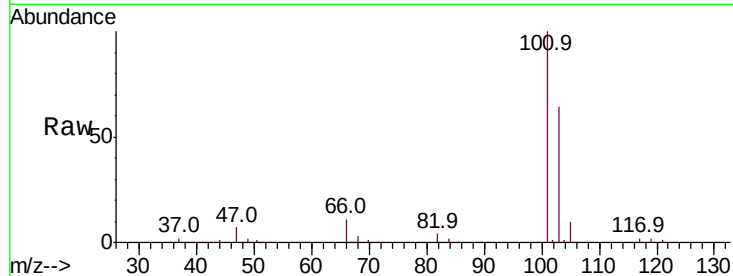
Trichlorofluoromethane
Concen: 49.948 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 378142
Ion Ratio Lower Upper
101 100
103 63.7 52.1 78.1

Manual Integrations
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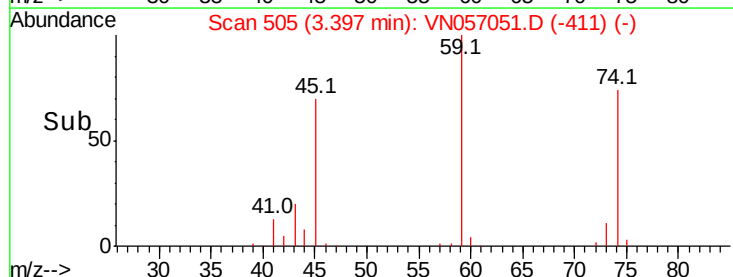
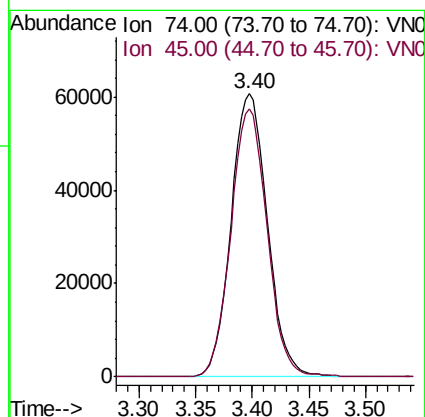
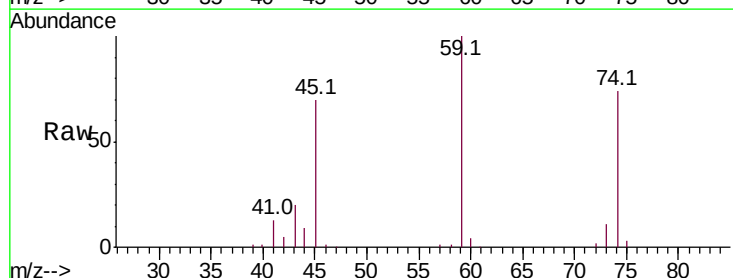
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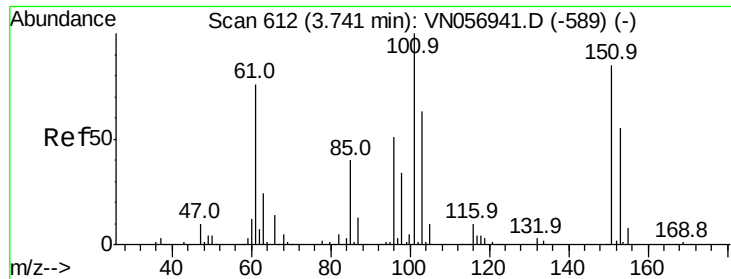


#8

Diethyl Ether
Concen: 47.987 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion: 74 Resp: 135966
Ion Ratio Lower Upper
74 100
45 94.5 48.1 144.3





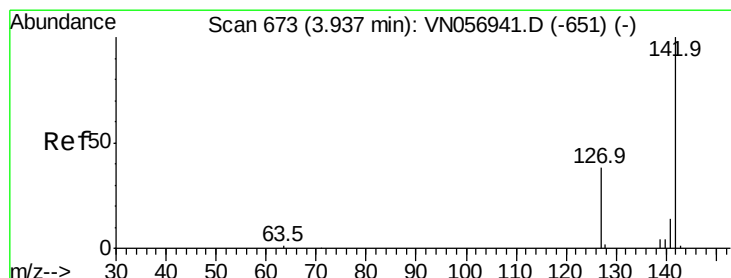
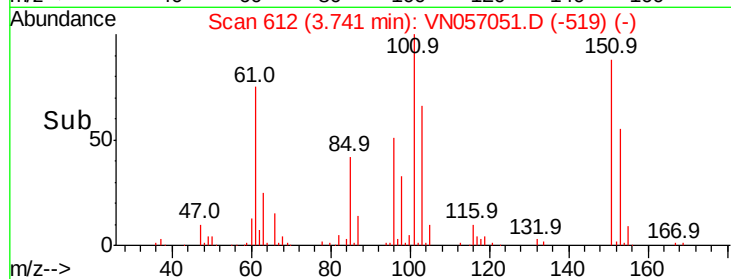
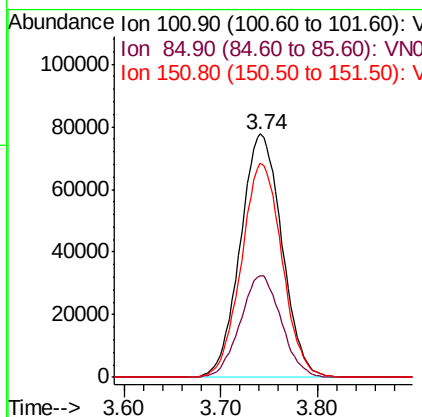
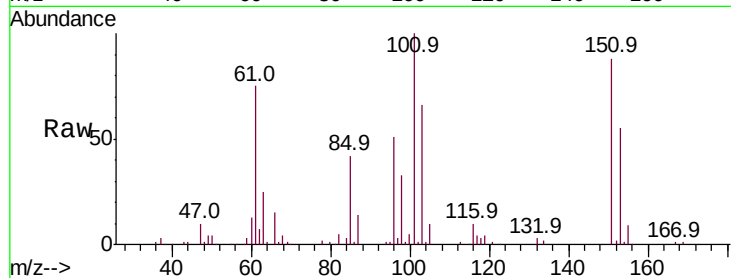
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.365 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	101	Resp:	231707
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.3	48.5
151	86.2	68.0	102.0

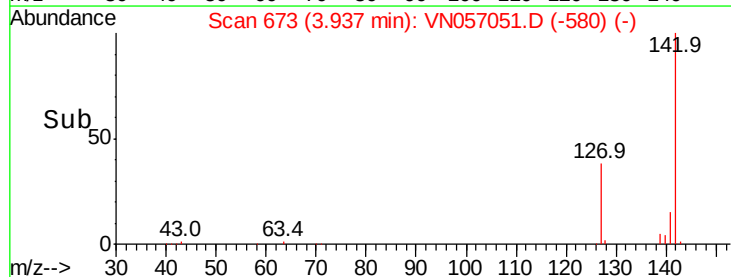
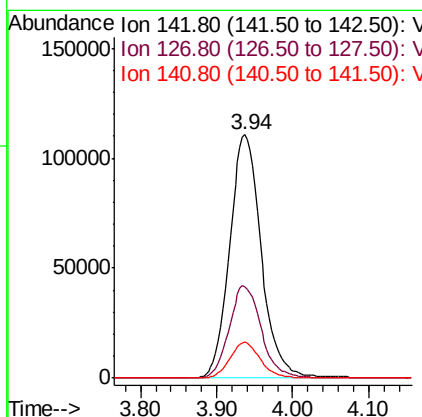
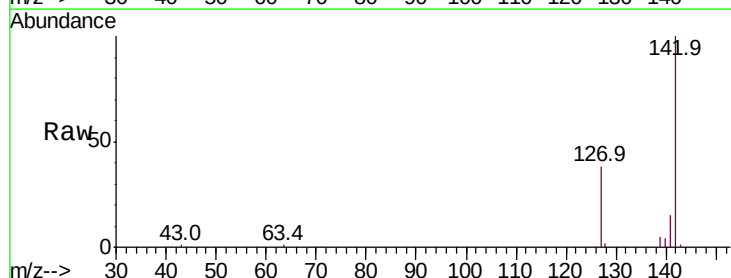
Manual Integrations
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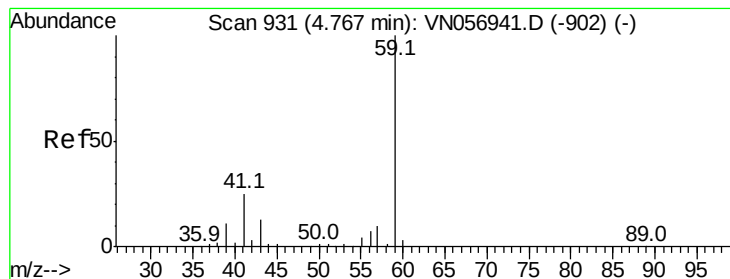
MMDadoda
 8/6/2019 2:16:39 PM



#10
 Methyl Iodide
 Concen: 50.971 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion:	142	Resp:	319688
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.4	45.6
141	14.2	11.1	16.7





#11

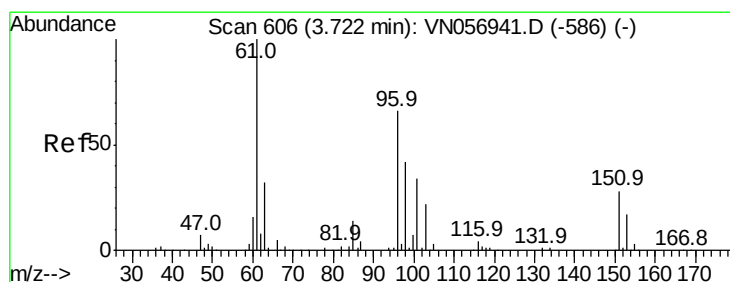
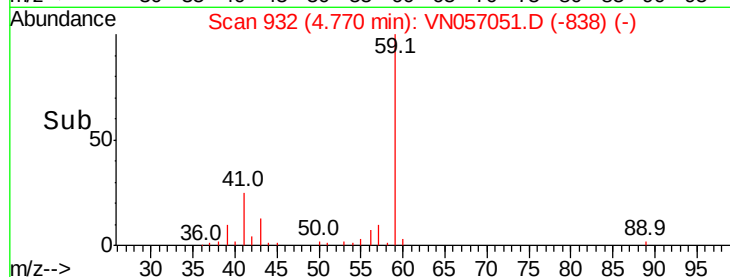
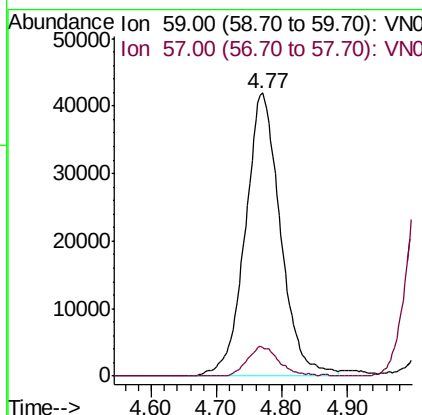
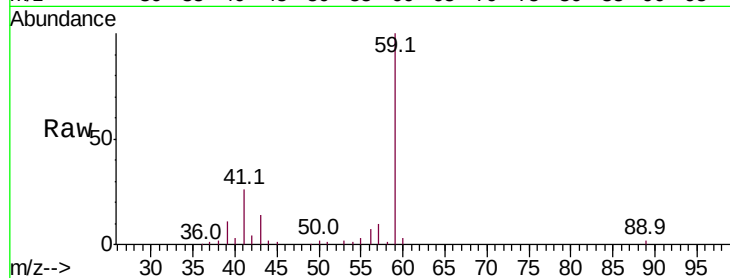
Tert butyl alcohol
 Concen: 222.655 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	9.4		7.5	11.3

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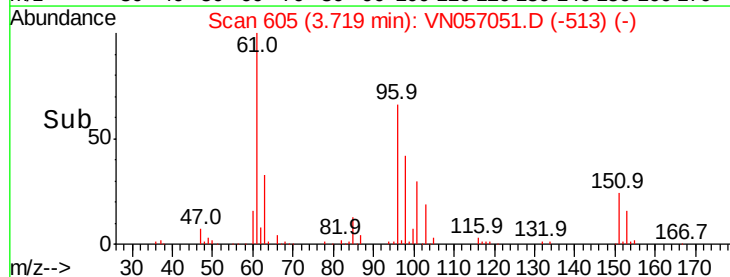
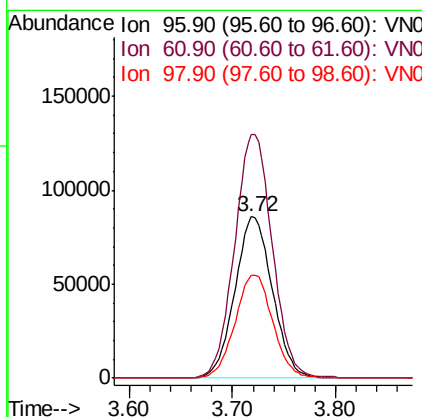
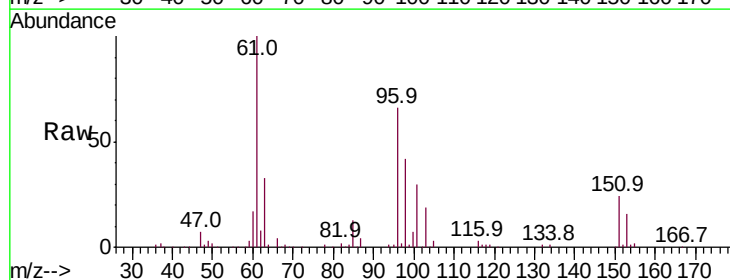
MMDadoda
 8/6/2019 2:16:39 PM

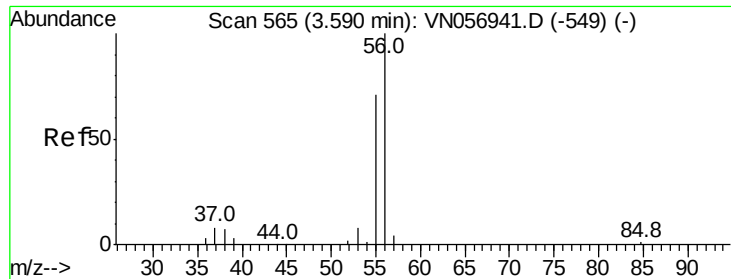


#12

1,1-Dichloroethene
 Concen: 48.503 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.7		121.8	182.8
98	63.4		51.7	77.5





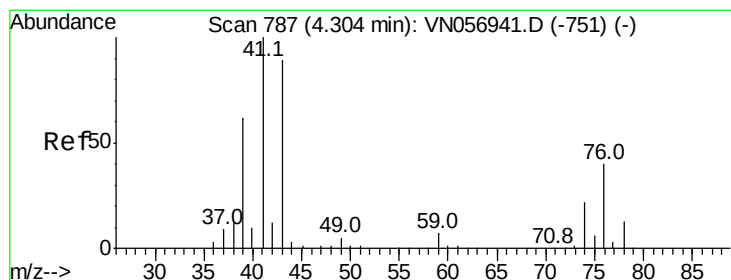
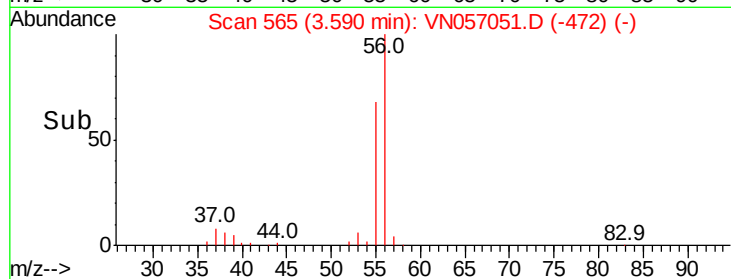
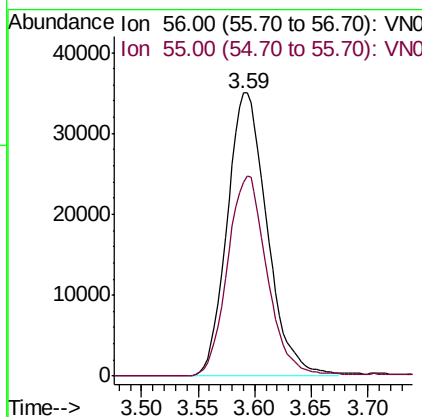
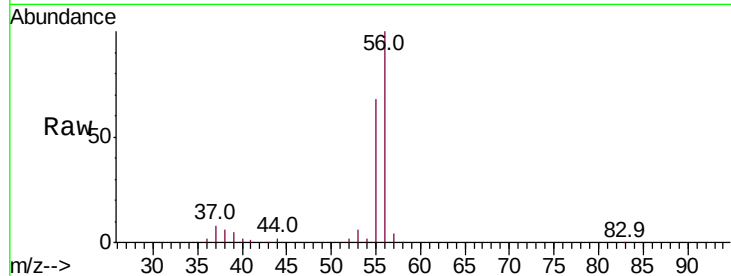
#13
Acrolein
Concen: 238.357 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	86242
Ion Ratio	100	Lower	Upper
56	100		
55	69.7	55.8	83.6

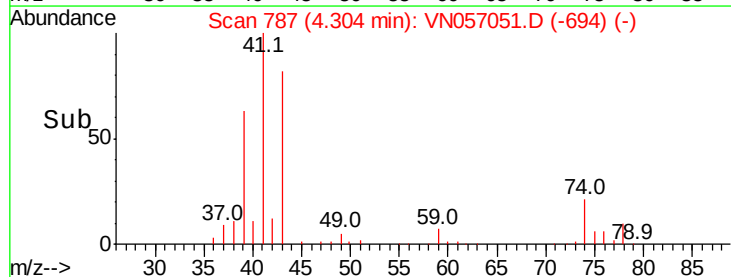
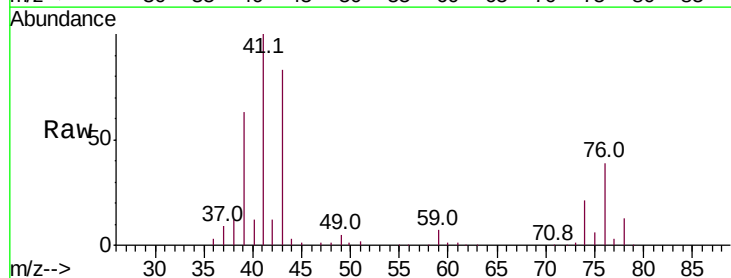
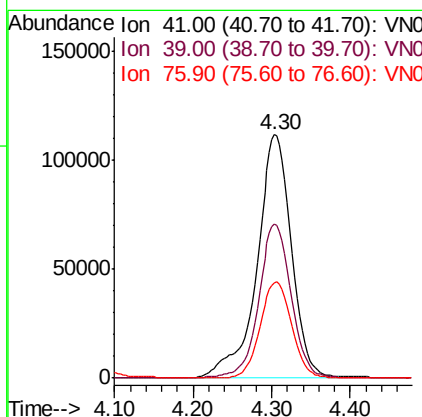
Manual Integrations
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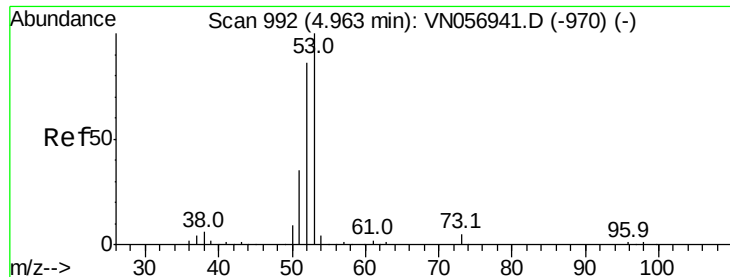
MMDadoda
8/6/2019 2:16:39 PM



#14
Allyl chloride
Concen: 47.310 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	41	Resp	344665
Ion Ratio	100	Lower	Upper
41	100		
39	60.0	46.4	69.6
76	36.3	28.4	42.6





#15

Acrylonitrile

Concen: 237.597 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

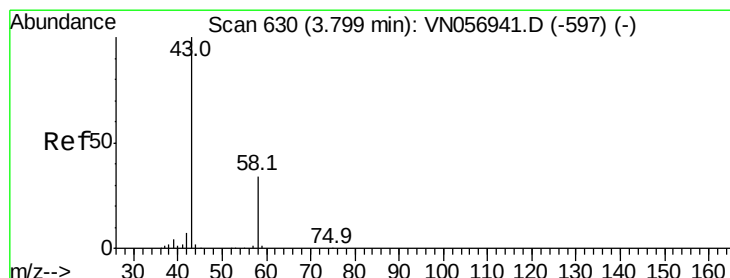
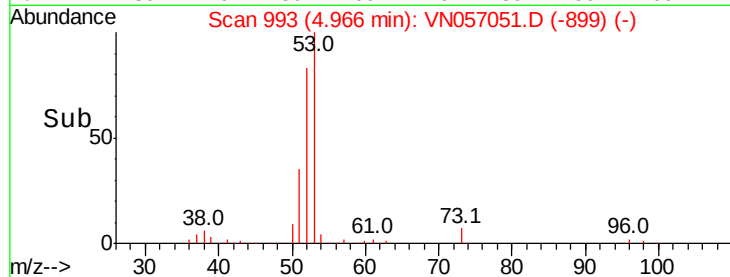
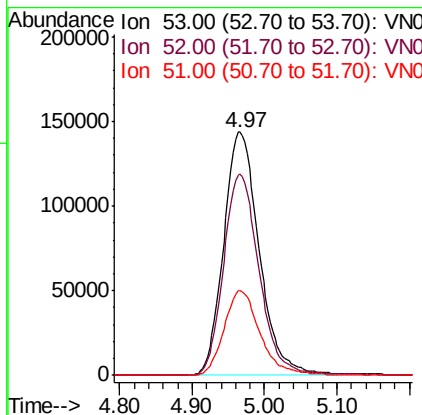
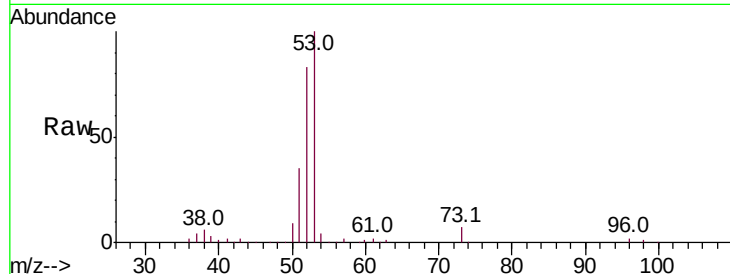
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	491211
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.5	99.7
51	35.4	28.4	42.6

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#16

Acetone

Concen: 276.434 ug/l

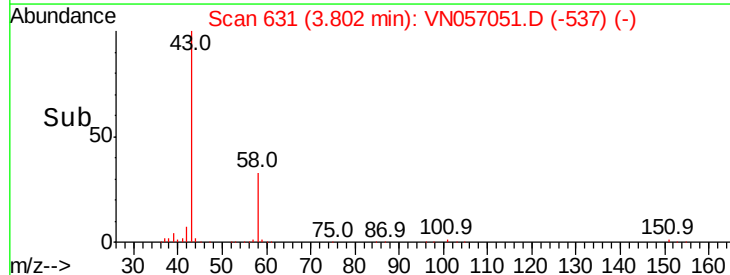
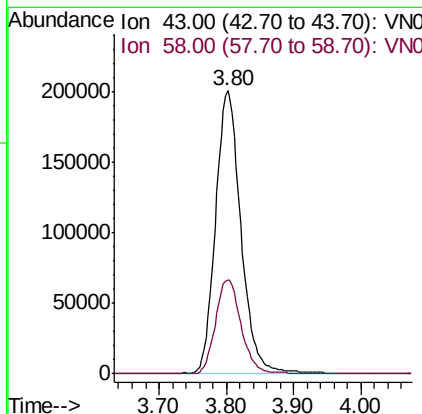
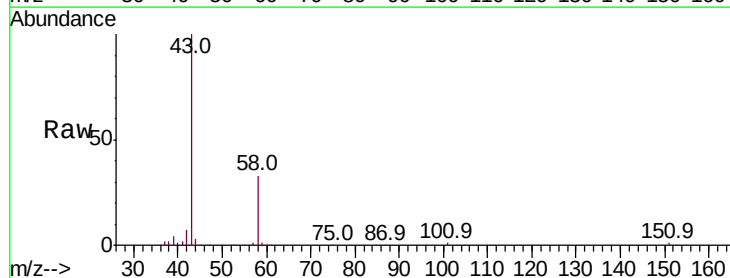
RT: 3.80 min Scan# 631

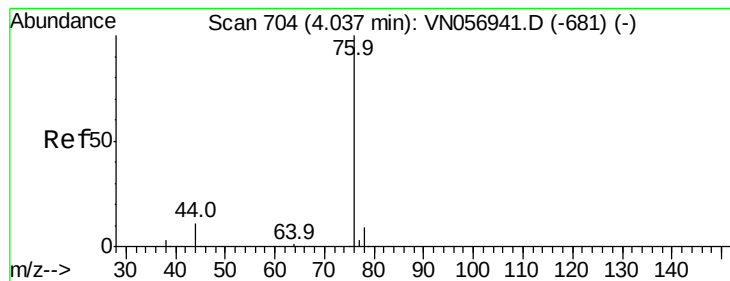
Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Tgt Ion:	43	Resp:	522325
Ion Ratio	Lower	Upper	
43	100		
58	33.4	27.2	40.8





#17

Carbon Disulfide

Concen: 44.215 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 526186

Ion Ratio Lower Upper

76 100

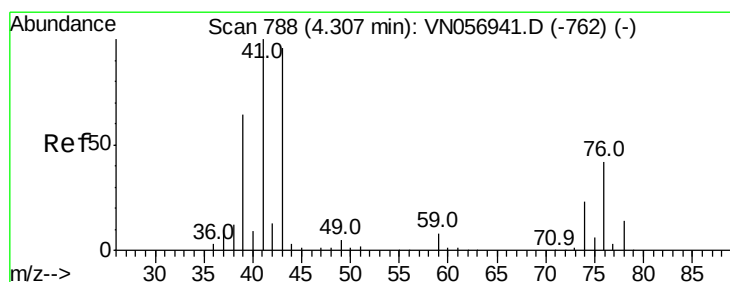
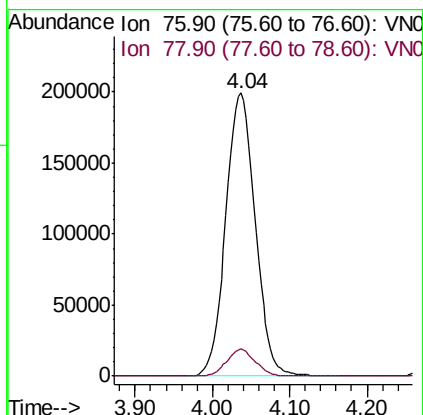
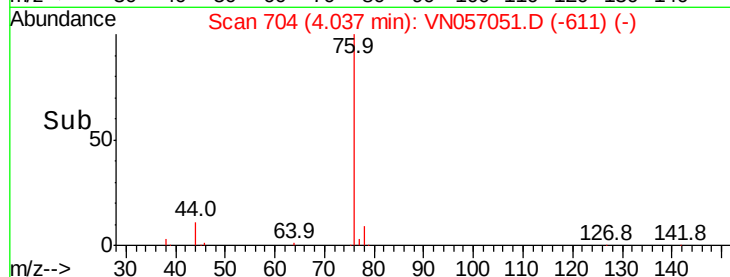
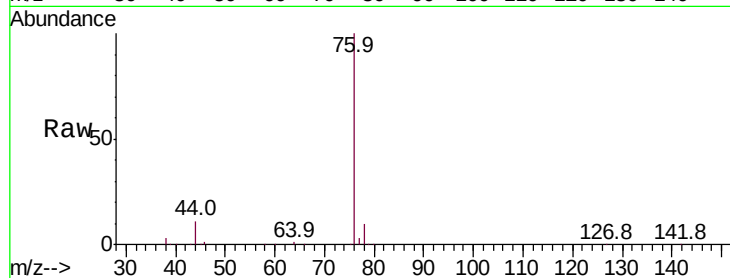
78 9.6 7.2 10.8

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#18

Methyl Acetate

Concen: 44.589 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057051.D

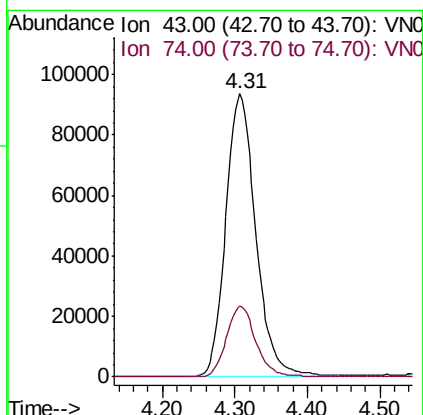
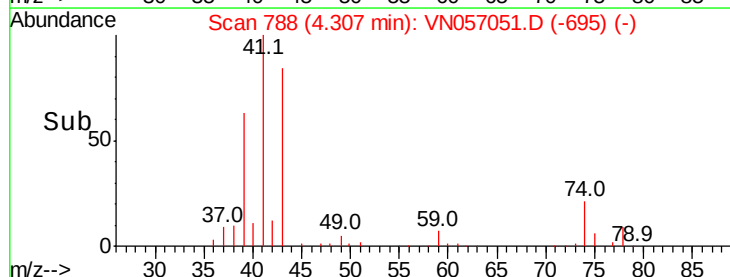
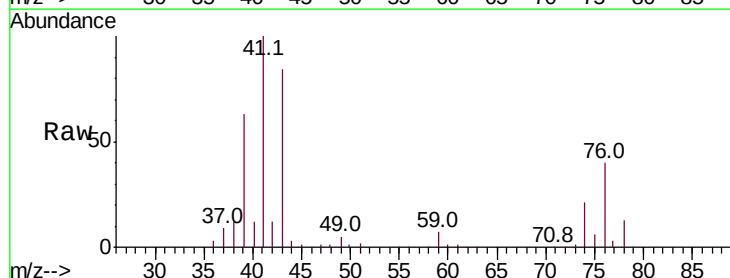
Acq: 2 Aug 2019 8:54

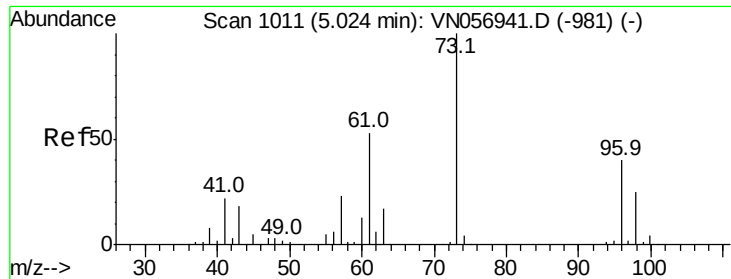
Tgt Ion: 43 Resp: 268770

Ion Ratio Lower Upper

43 100

74 24.3 19.7 29.5





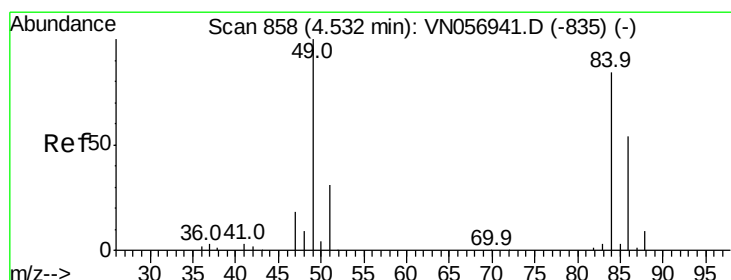
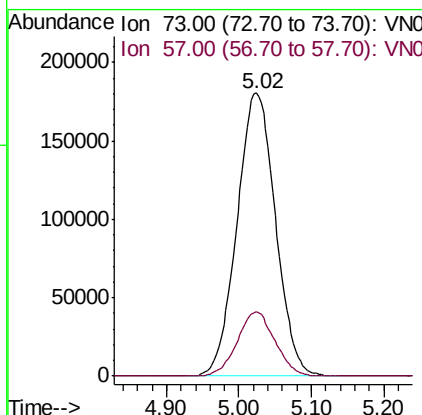
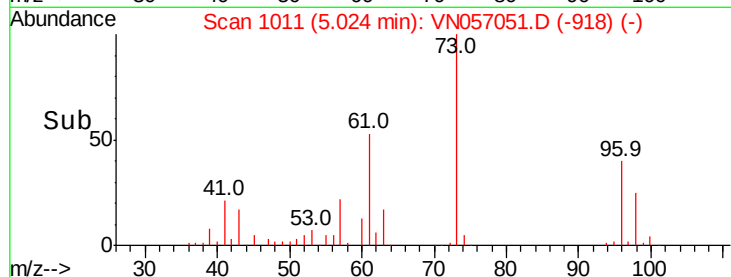
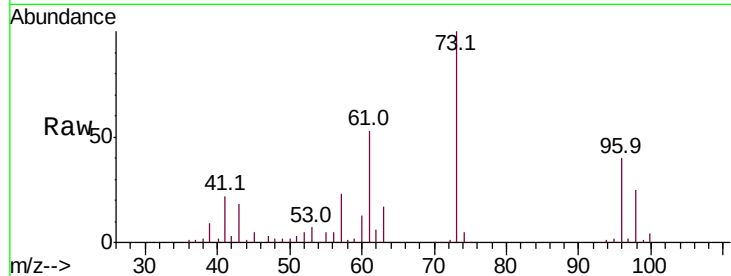
#19
Methyl tert-butyl Ether
Concen: 50.019 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 667953
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

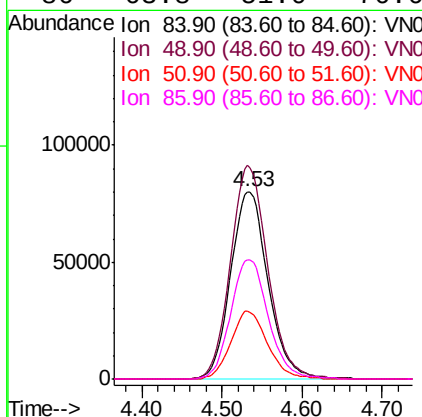
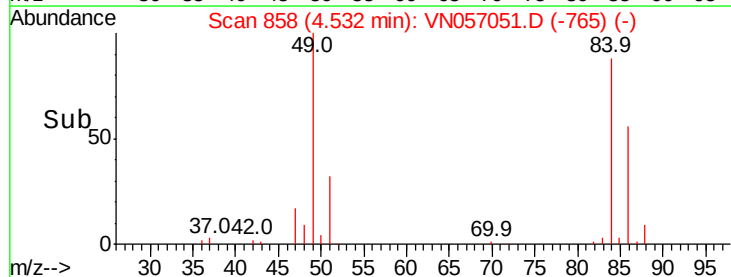
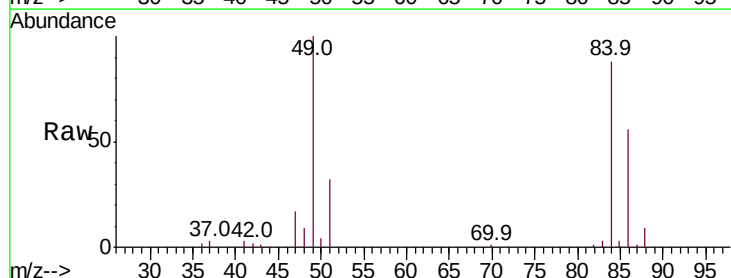
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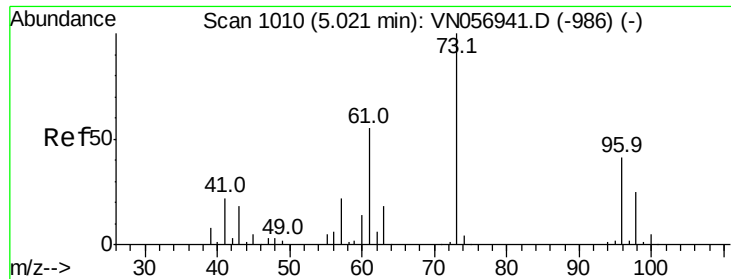
MMDadoda
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#20
Methylene Chloride
Concen: 46.732 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion: 84 Resp: 254353
Ion Ratio Lower Upper
84 100
49 114.1 95.2 142.8
51 36.2 29.7 44.5
86 63.8 51.0 76.6





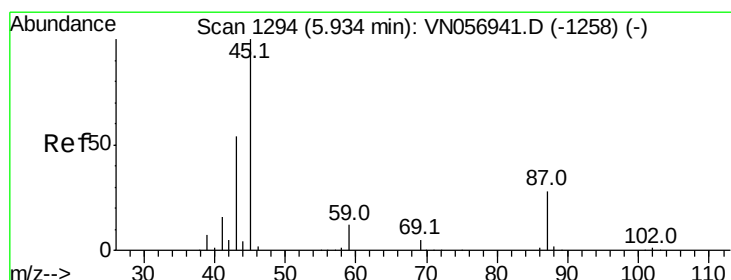
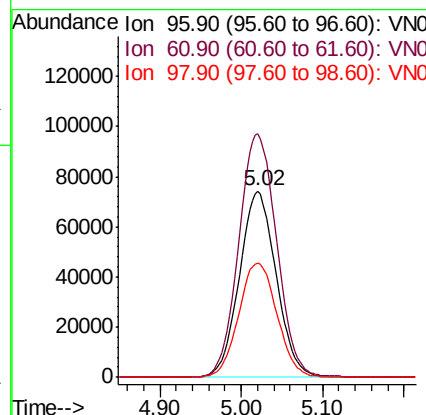
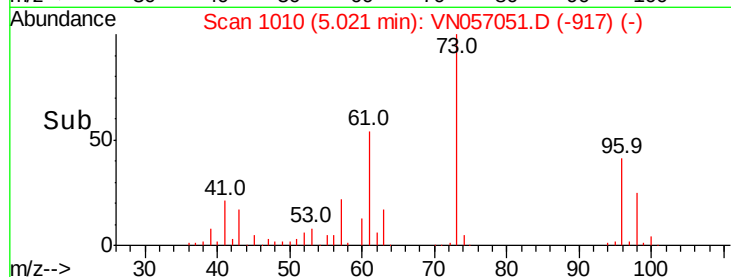
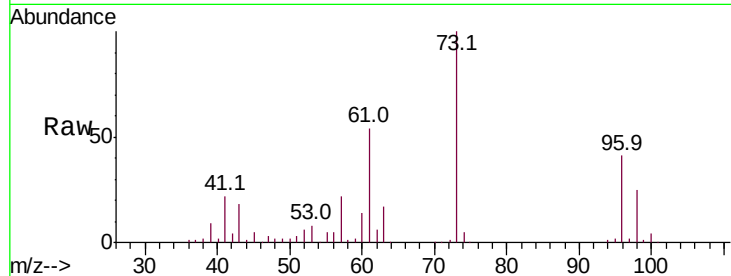
#21
trans-1,2-Dichloroethene
Concen: 48.760 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	107.5	161.3
98	61.3	49.9	74.9

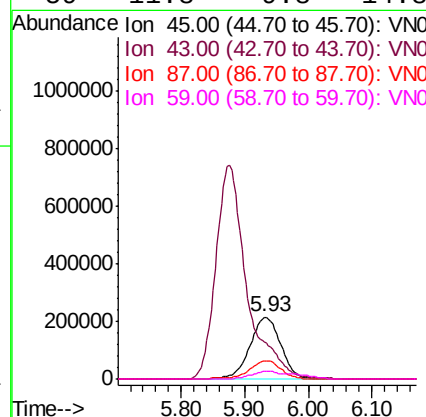
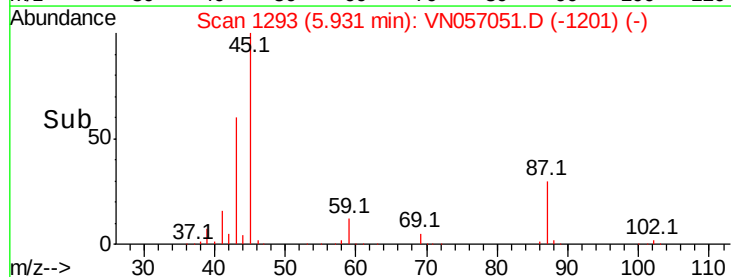
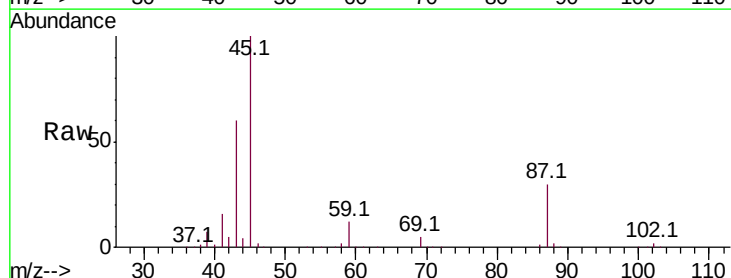
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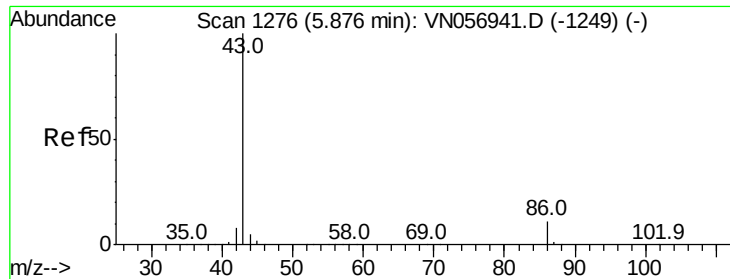
MMDadoda
8/6/2019 2:16:39 PM



#22
Diisopropyl ether
Concen: 48.343 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	44.7	67.1
87	29.6	23.0	34.6
59	11.8	9.8	14.8





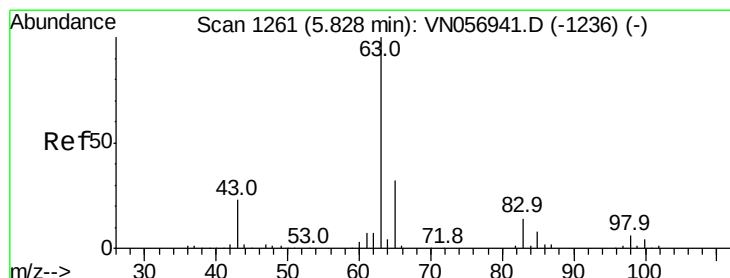
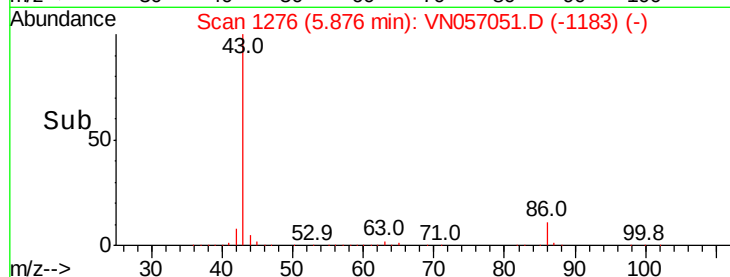
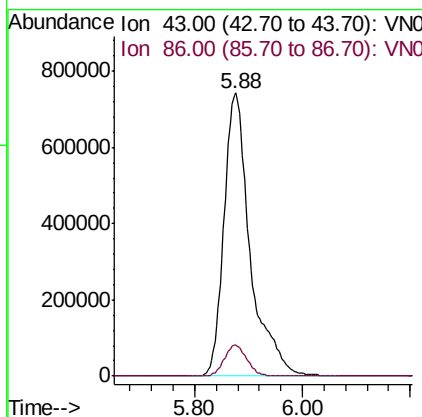
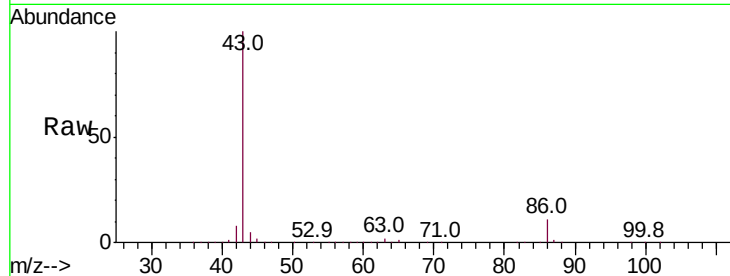
#23
 Vinyl Acetate
 Concen: 241.607 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2512734
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.5 12.7

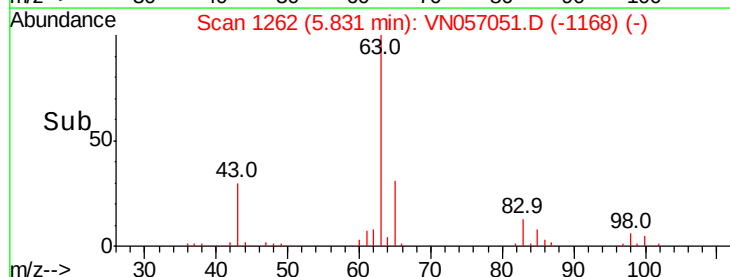
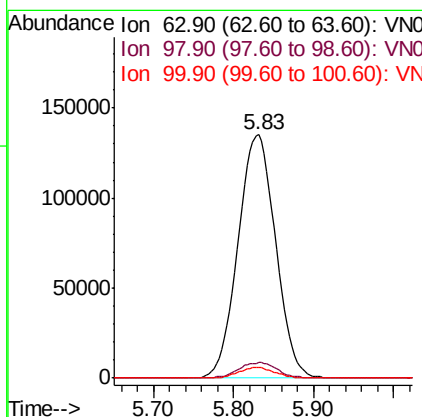
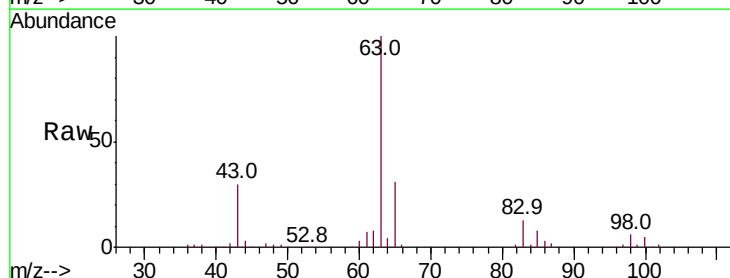
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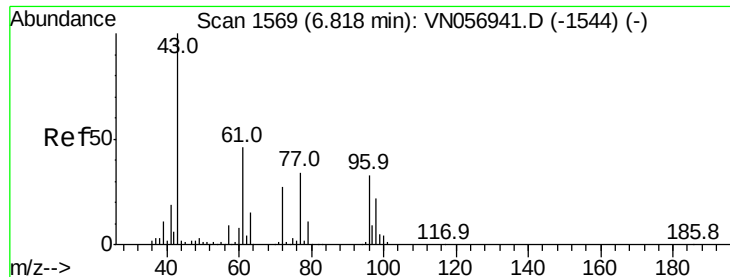
MMDadoda
 8/6/2019 2:16:39 PM



#24
 1,1-Dichloroethane
 Concen: 48.637 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion: 63 Resp: 430741
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.6 2.1 6.3





#25

2-Butanone

Concen: 245.086 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 656665

Ion Ratio Lower Upper

43 100

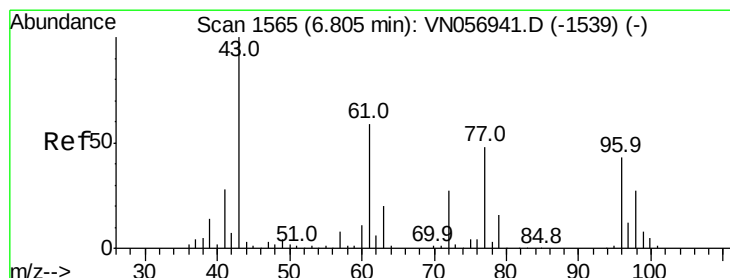
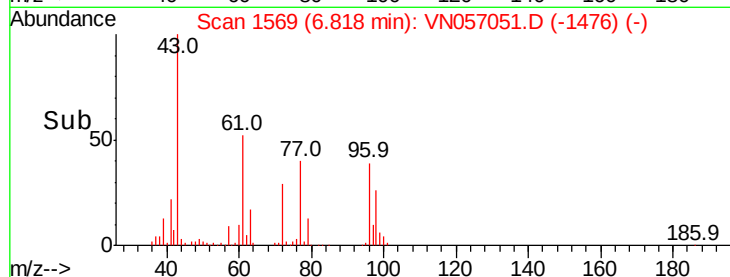
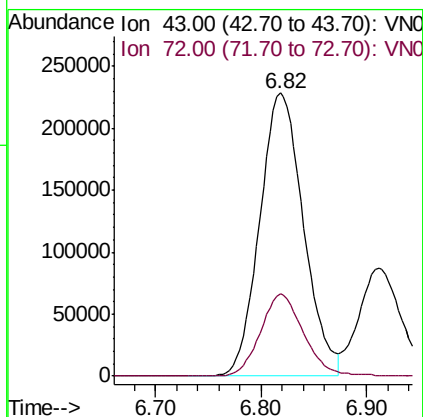
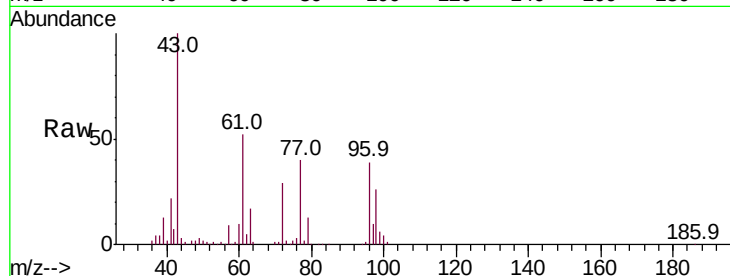
72 29.0 21.5 32.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 50.012 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057051.D

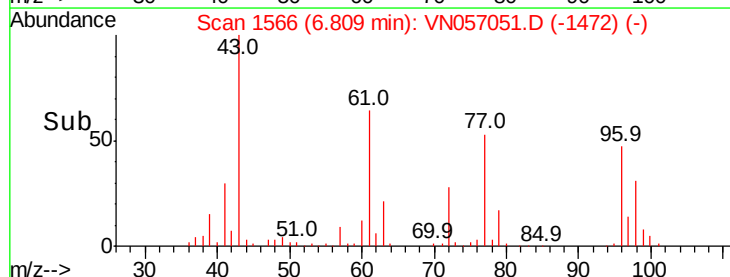
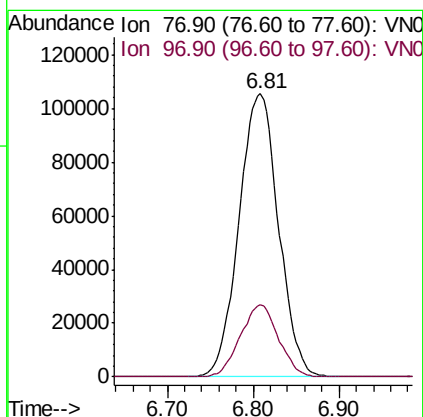
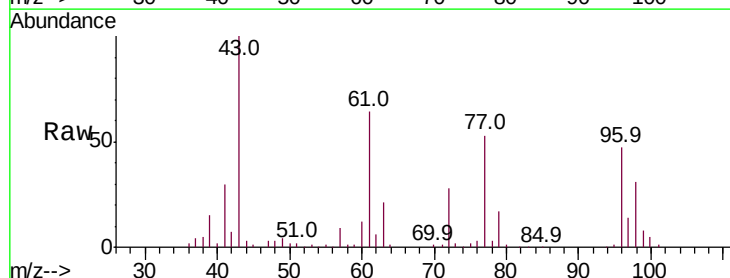
Acq: 2 Aug 2019 8:54

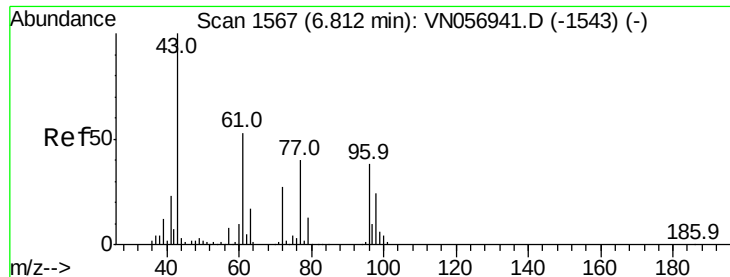
Tgt Ion: 77 Resp: 336781

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.386 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057051.D

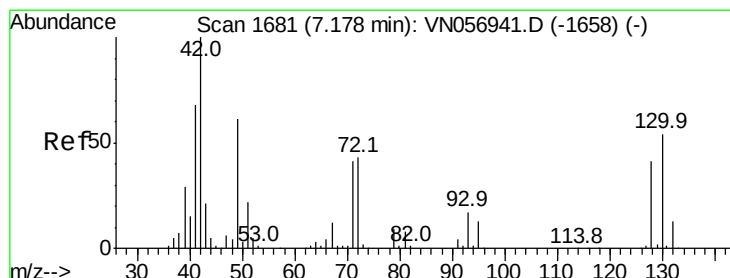
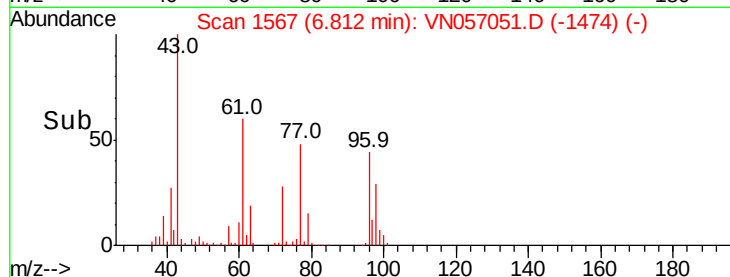
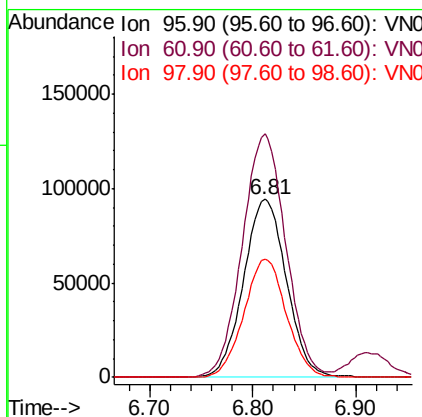
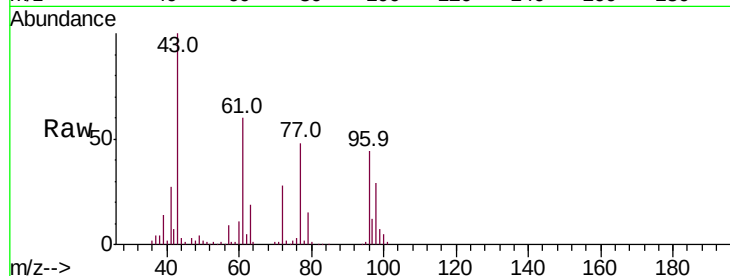
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272205		
61	138.8	0.0	277.2	
98	66.1	0.0	128.4	

Manual Integrations
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#28

Bromochloromethane

Concen: 42.584 ug/l

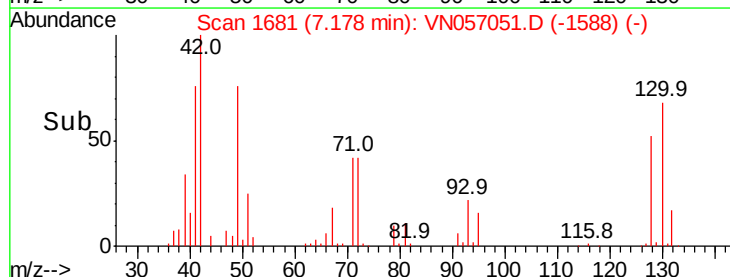
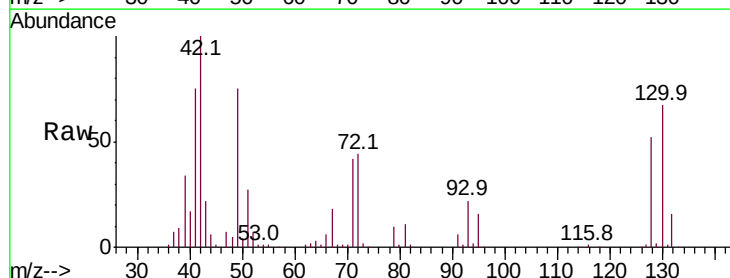
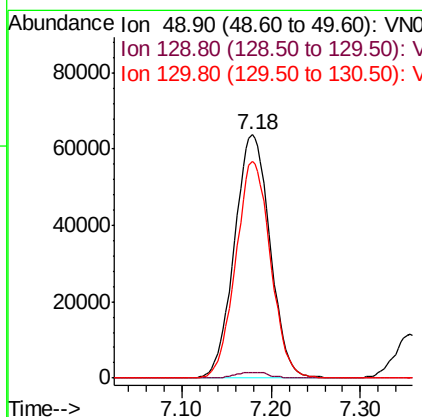
RT: 7.18 min Scan# 1681

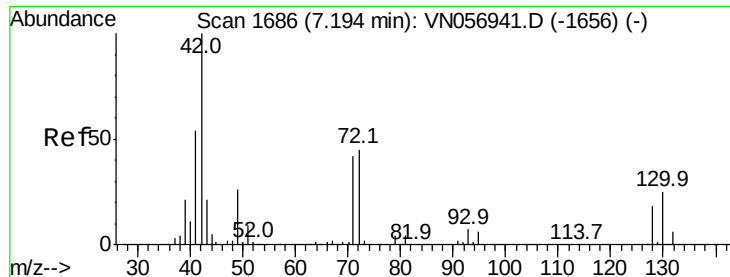
Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177268		
129	2.3	0.0	4.6	
130	86.9	69.0	103.4	





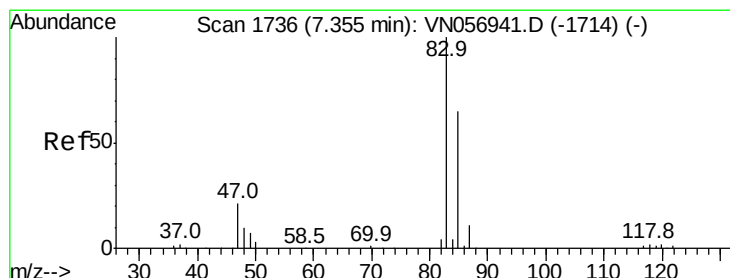
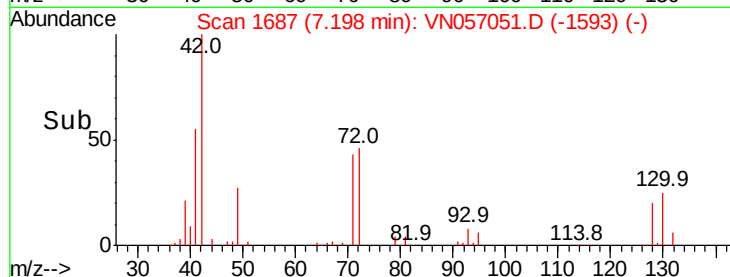
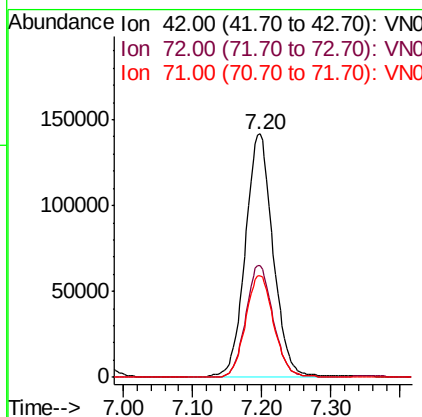
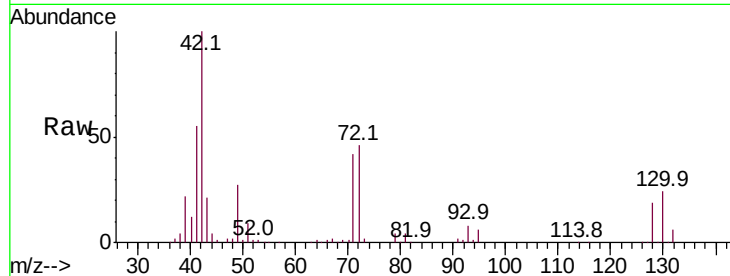
#29
Tetrahydrofuran
Concen: 225.932 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	45.4	35.6	53.4
71	42.4	33.5	50.3

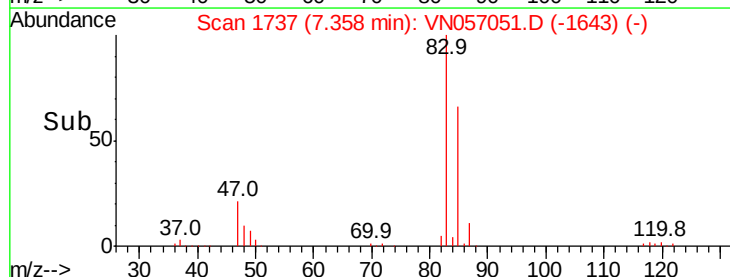
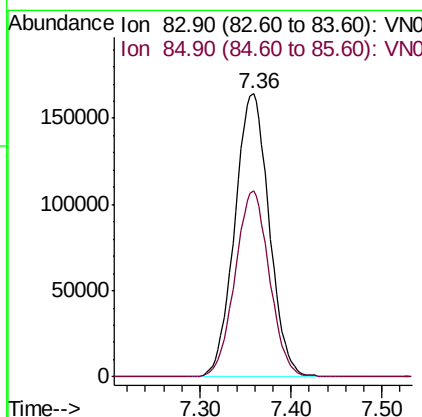
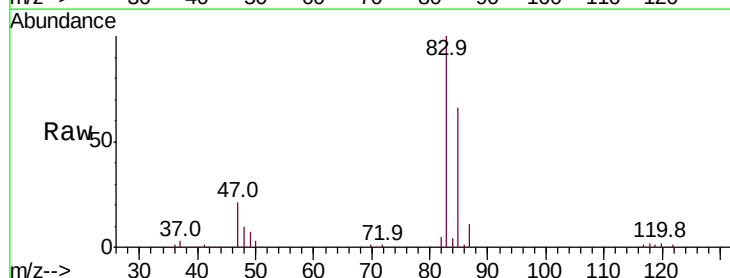
Manual Integrations
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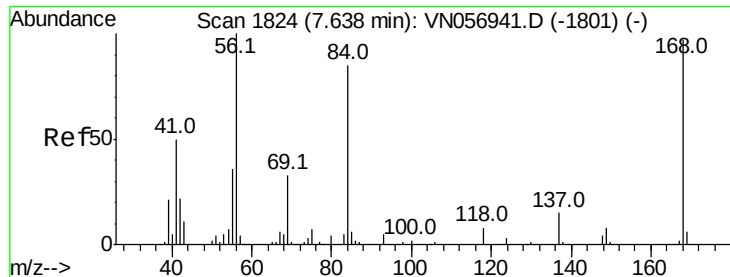
MMDadoda
8/6/2019 2:16:39 PM



#30
Chloroform
Concen: 47.657 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	65.5	52.2	78.2





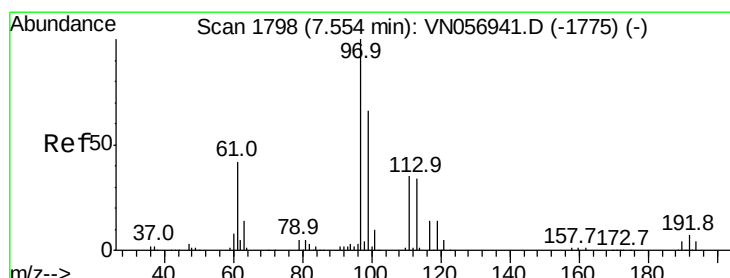
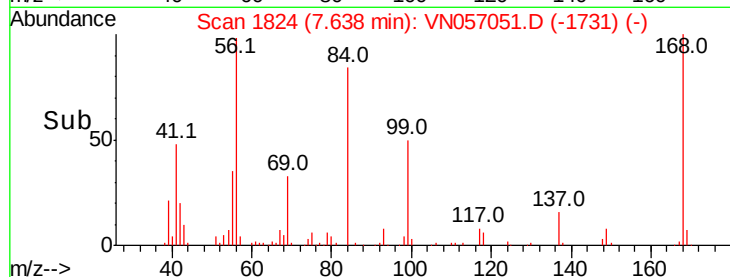
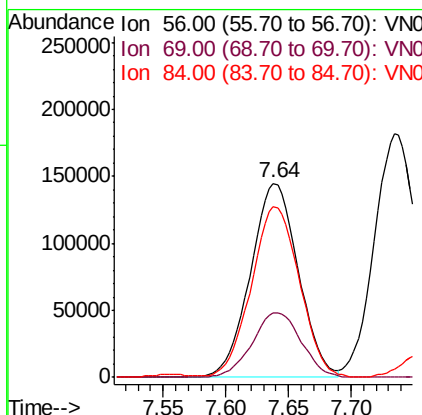
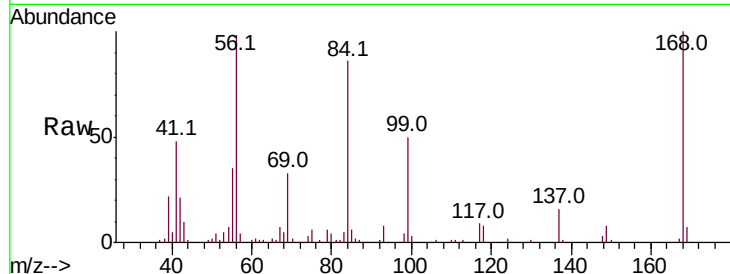
#31
Cyclohexane
Concen: 44.844 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.2	39.2
84	86.8	68.2	102.2

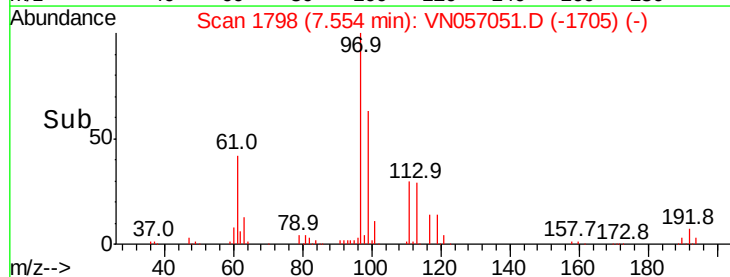
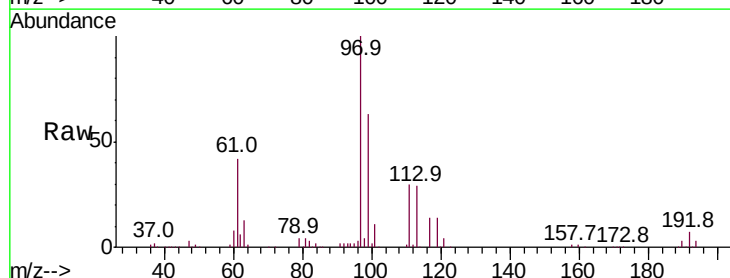
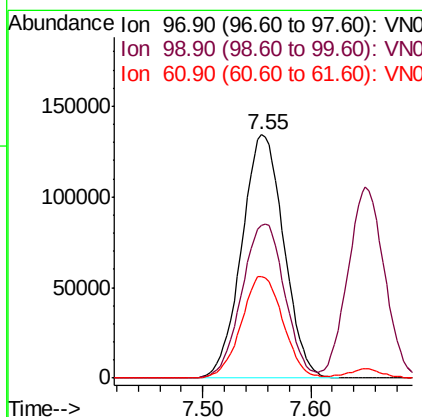
Manual Integrations
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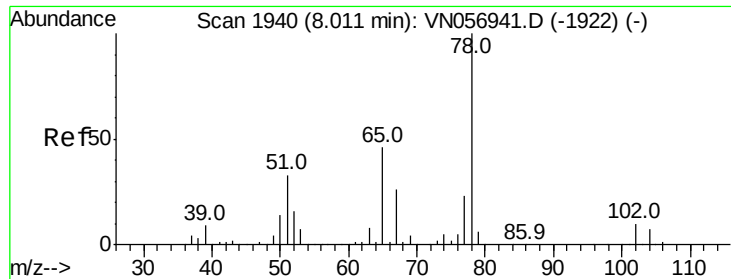
MMDadoda
8/6/2019 2:16:39 PM



#32
1,1,1-Trichloroethane
Concen: 50.381 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	41.4	33.9	50.9





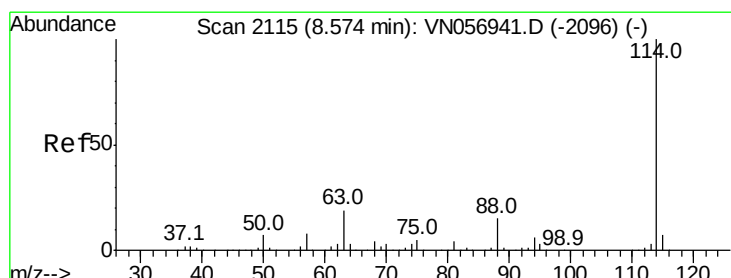
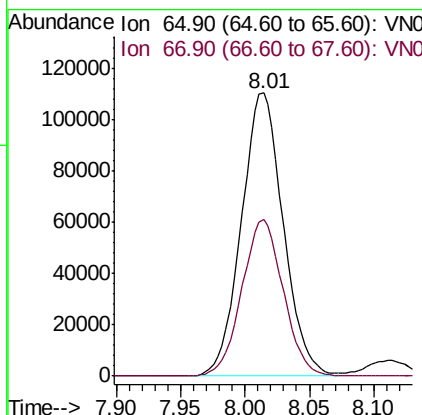
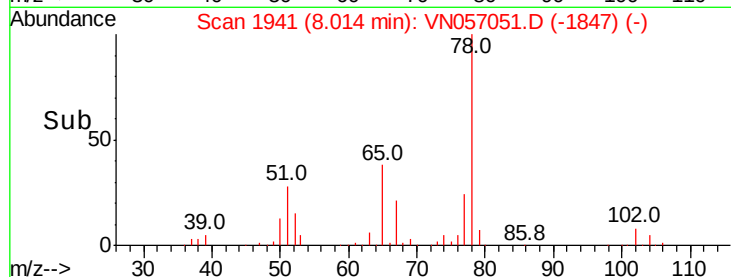
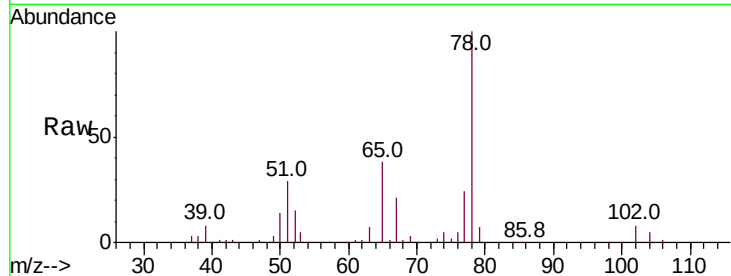
#33
 1,2-Dichloroethane-d4
 Concen: 48.038 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250549		
67	54.5	0.0	112.0	

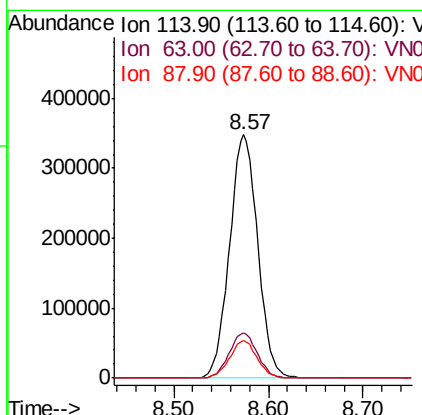
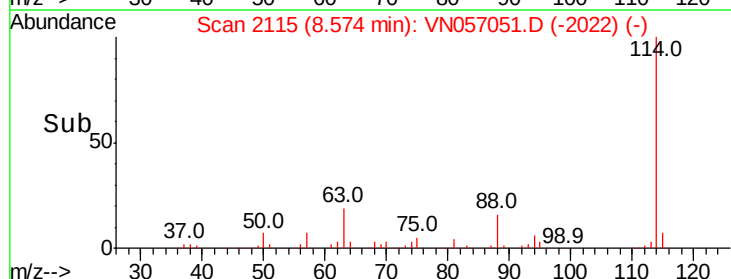
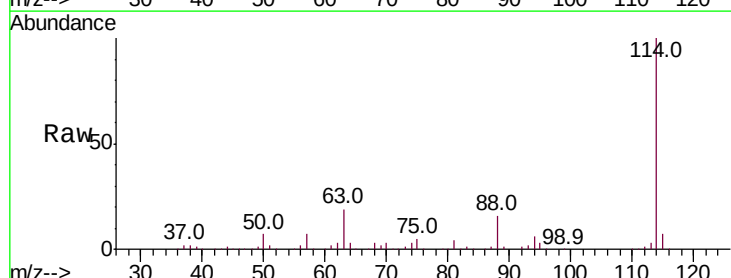
Manual Integrations
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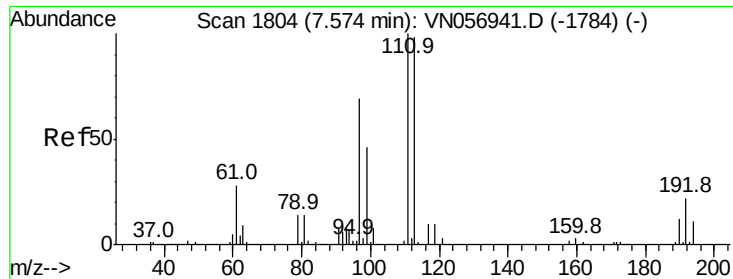
MMDadoda
 8/6/2019 2:16:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	720553		
63	18.7	0.0	38.0	
88	15.6	0.0	30.0	





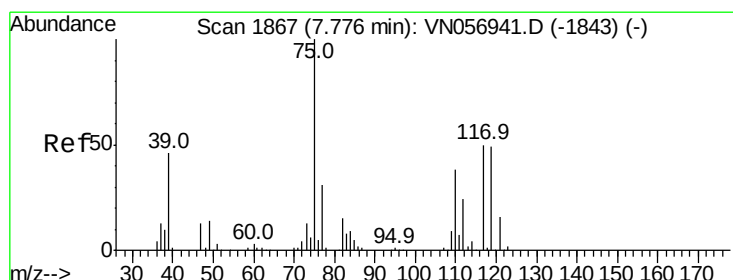
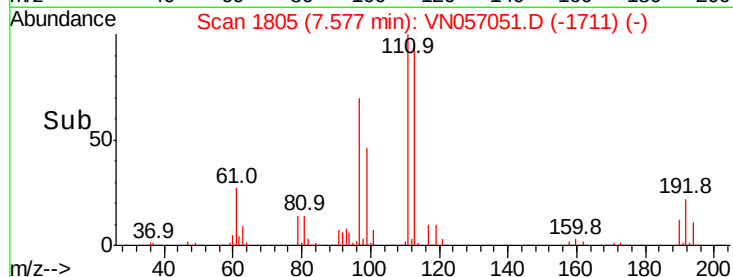
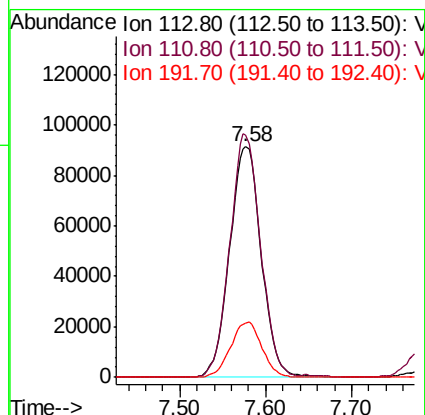
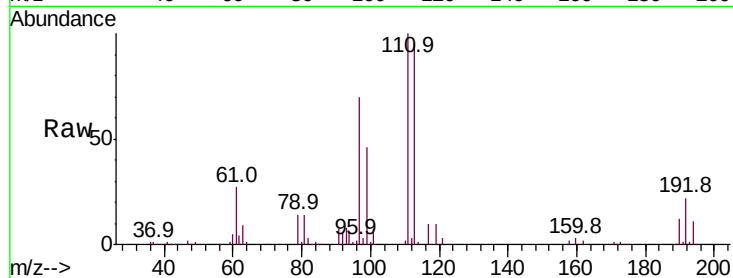
#35
 Dibromofluoromethane
 Concen: 50.718 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	23.7	18.4	27.6

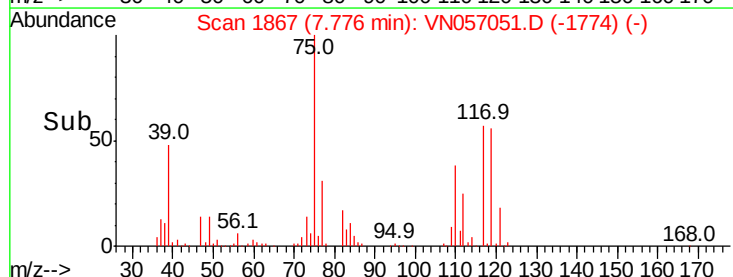
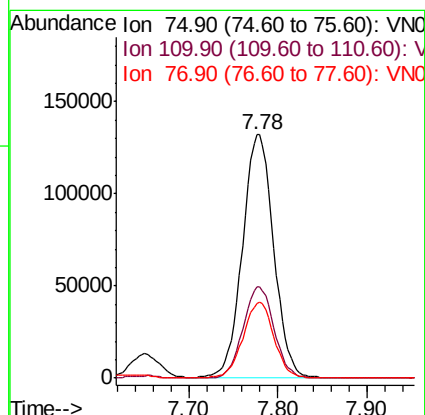
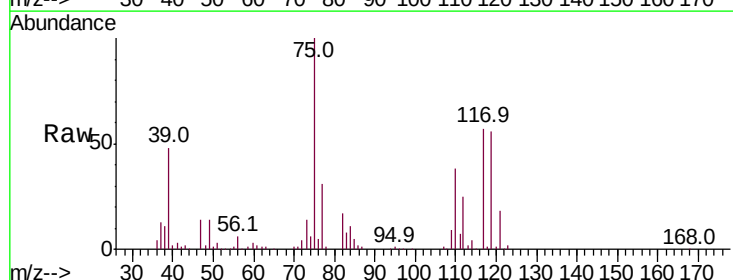
Manual Integrations
 APPROVED

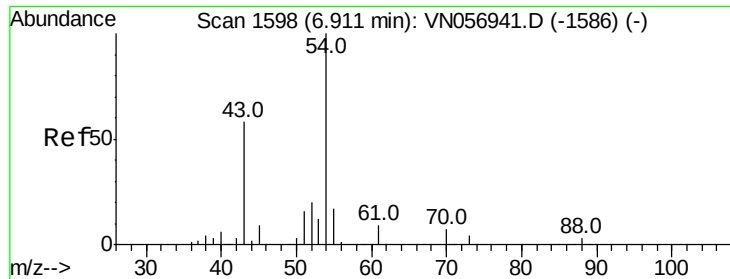
MMDadoda
 8/6/2019 2:16:39 PM



#36
 1,1-Dichloropropene
 Concen: 50.403 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.6	55.8
77	31.1	25.2	37.8





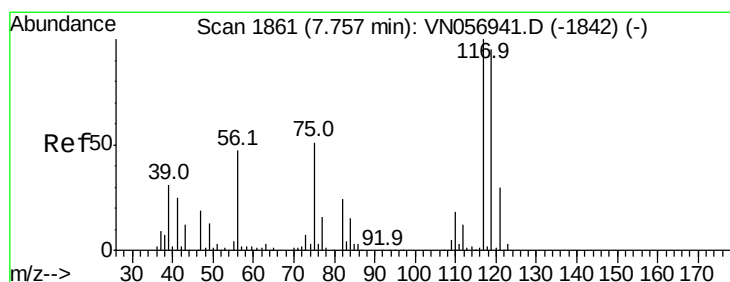
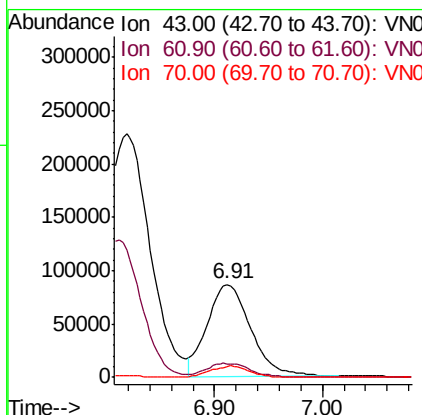
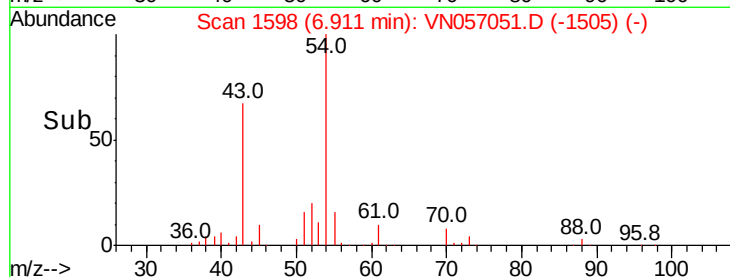
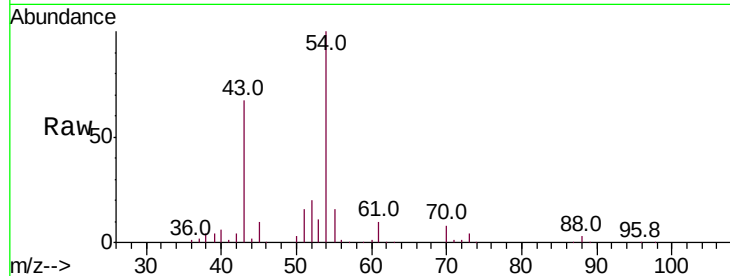
#37
Ethyl Acetate
Concen: 47.492 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	241167
Ion Ratio	100	Lower	Upper
61	15.3	11.8	17.6
70	11.4	8.5	12.7

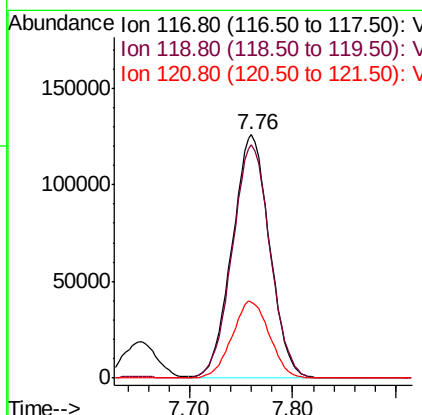
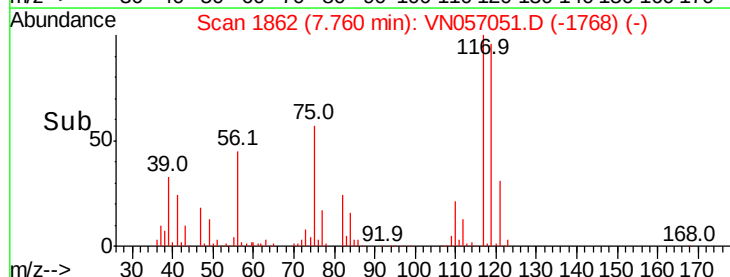
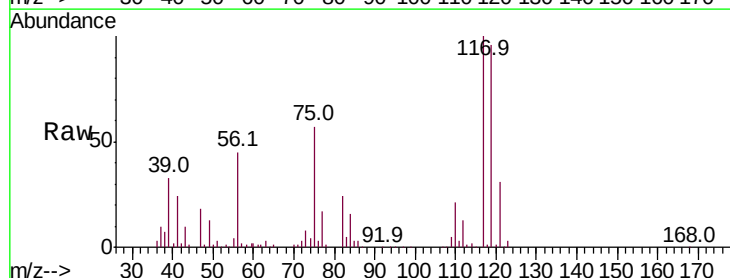
Manual Integrations
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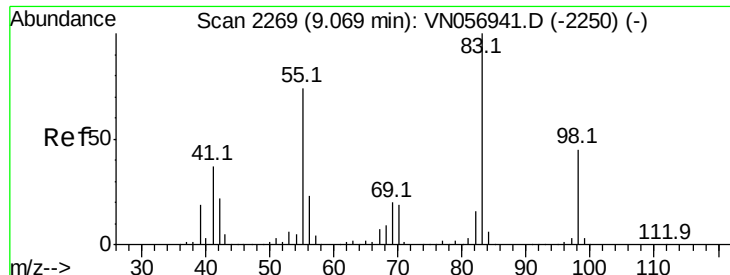
MMDadoda
8/6/2019 2:16:39 PM



#38
Carbon Tetrachloride
Concen: 53.057 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	117	Resp	318205
Ion Ratio	100	Lower	Upper
119	95.6	75.3	112.9
121	31.4	24.2	36.4





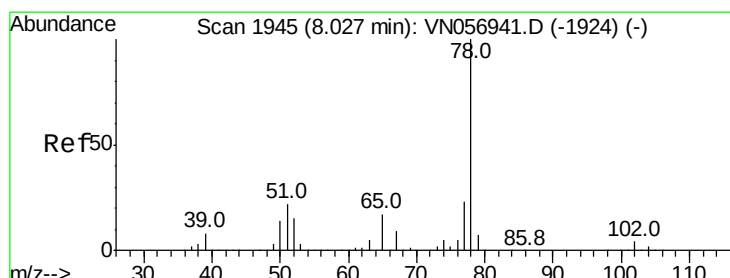
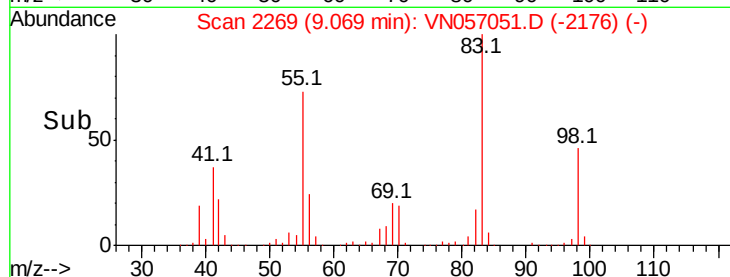
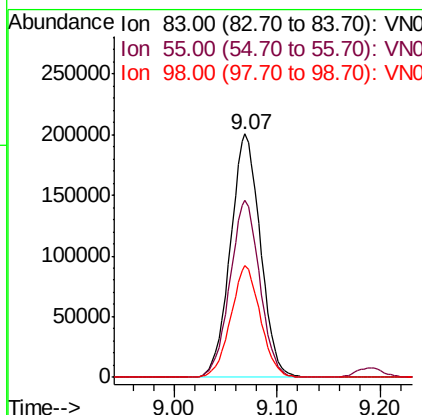
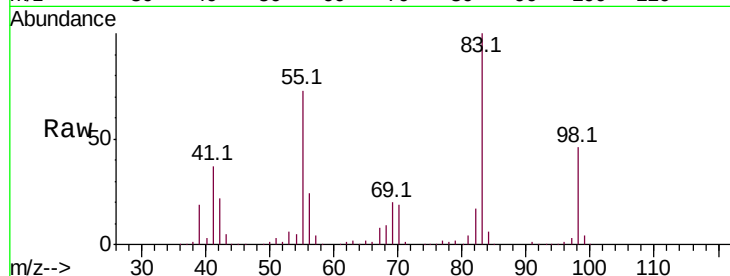
#39
Methylvlcyclohexane
Concen: 50.025 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	405380
Ion Ratio	100	Lower	Upper
83	100		
55	72.7	59.0	88.6
98	45.7	36.2	54.4

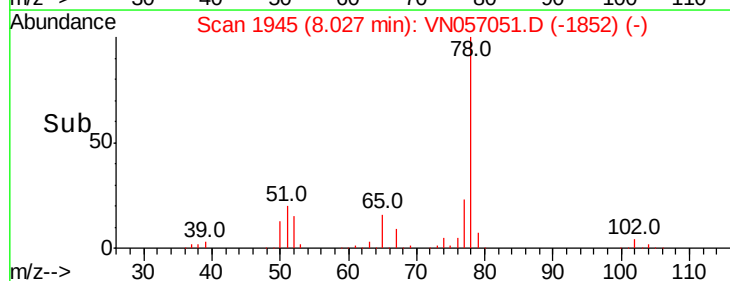
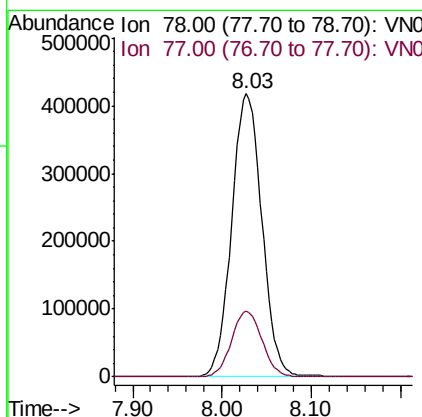
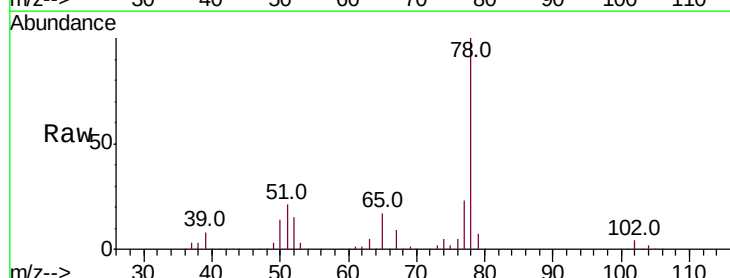
Manual Integrations
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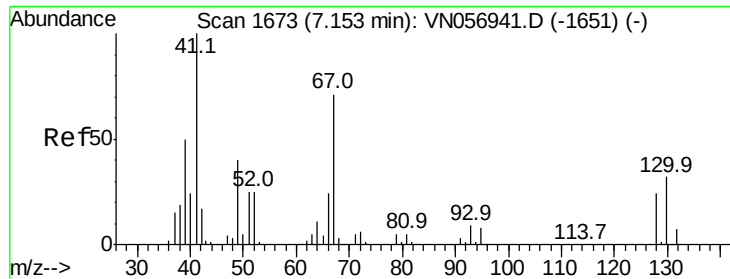
MMDadoda
8/6/2019 2:16:39 PM



#40
Benzene
Concen: 50.338 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	78	Resp	983023
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.3	27.5





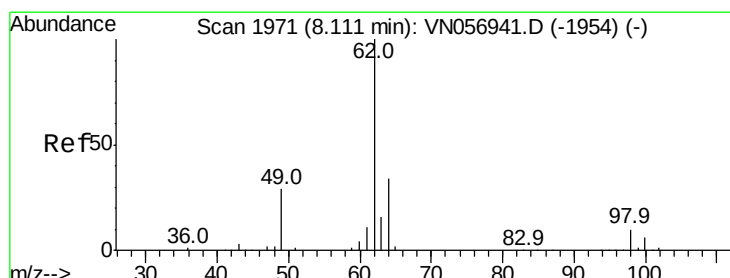
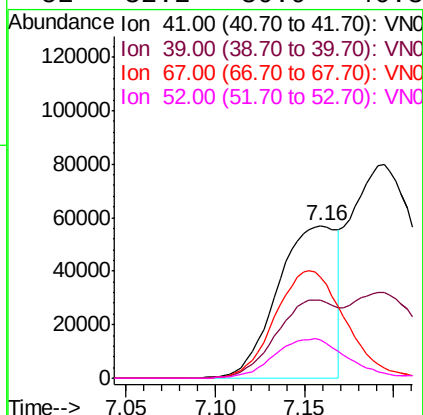
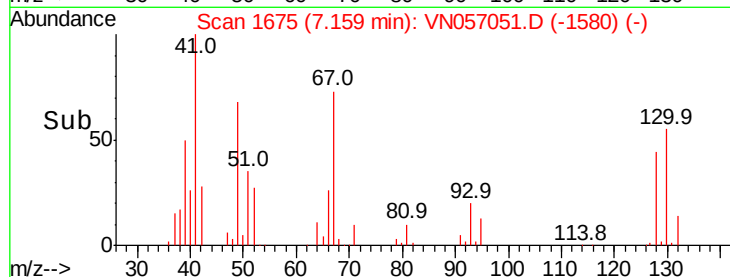
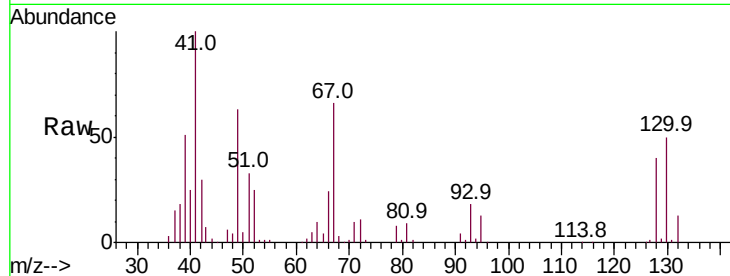
#41
Methacrylonitrile
Concen: 56.155 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	48.9	73.3	
67	84.0	83.4	125.0	
52	32.2	30.9	46.3	

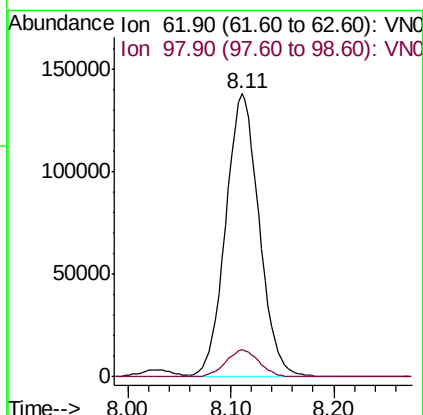
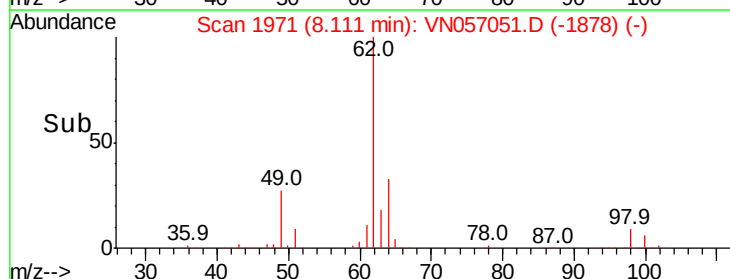
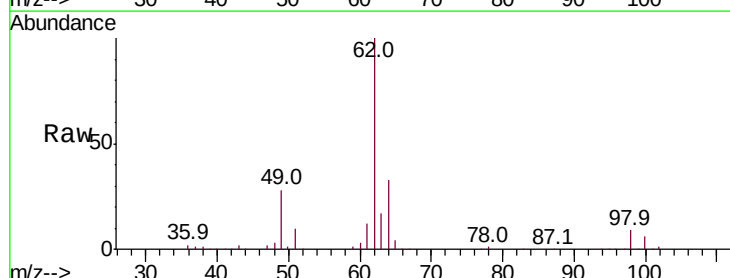
Manual Integrations
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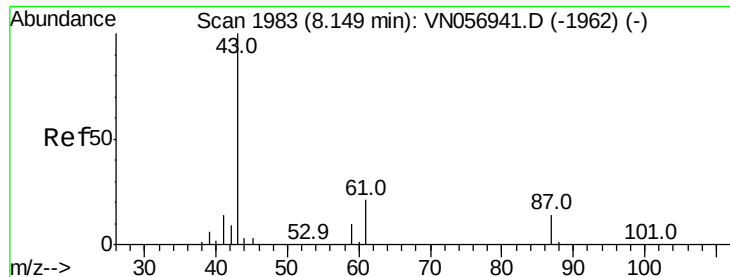
MMDadoda
8/6/2019 2:16:39 PM



#42
1,2-Dichloroethane
Concen: 50.776 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.6	





#43

Isopropyl Acetate

Concen: 47.969 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 402609

Ion Ratio Lower Upper

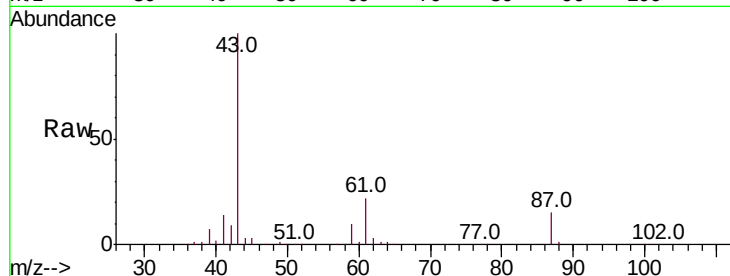
43 100

61 22.5 23.0 34.6#

87 14.7 11.7 17.5

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MMDadoda
8/6/2019 2:16:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

8.15

250000

200000

150000

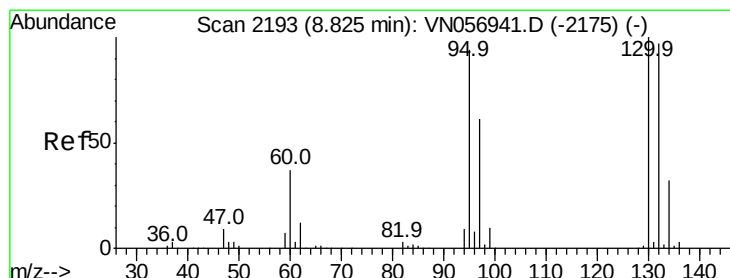
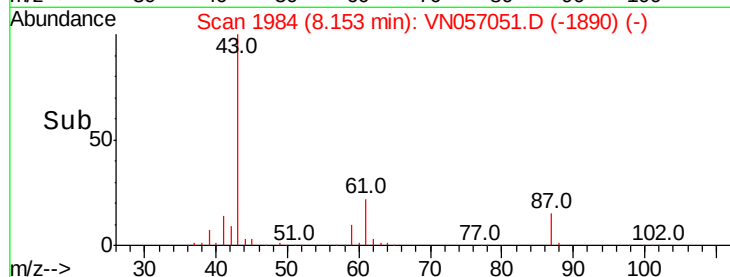
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 51.772 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057051.D

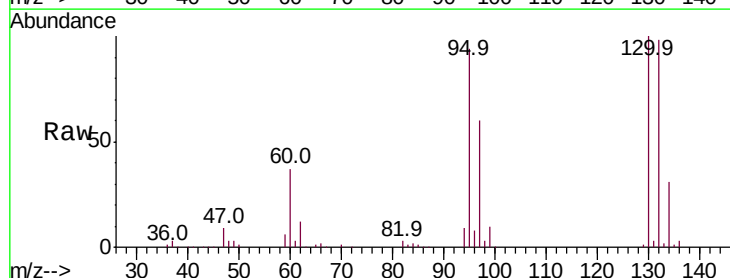
Acq: 2 Aug 2019 8:54

Tgt Ion:130 Resp: 278541

Ion Ratio Lower Upper

130 100

95 93.8 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

8.82

150000

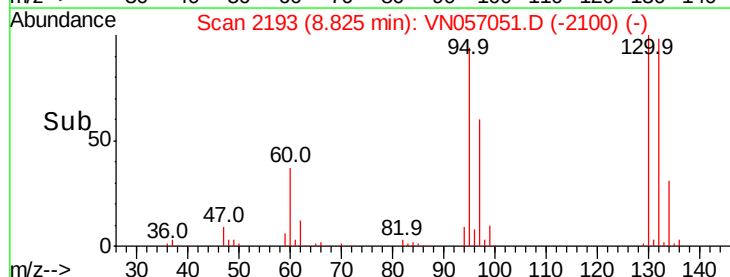
100000

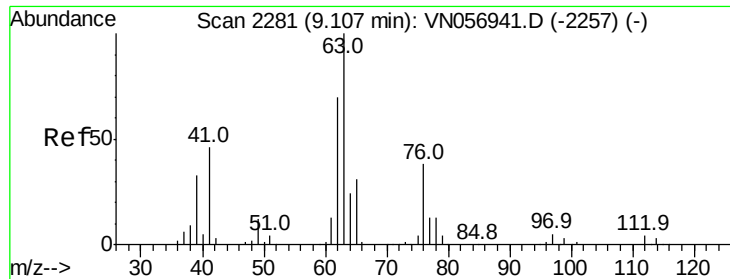
50000

0

8.80 8.82 8.84 8.86 8.88 8.90

Time-->





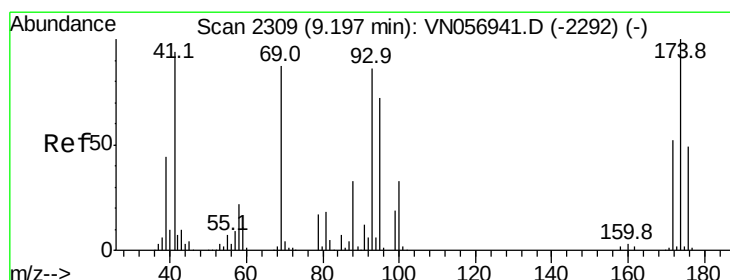
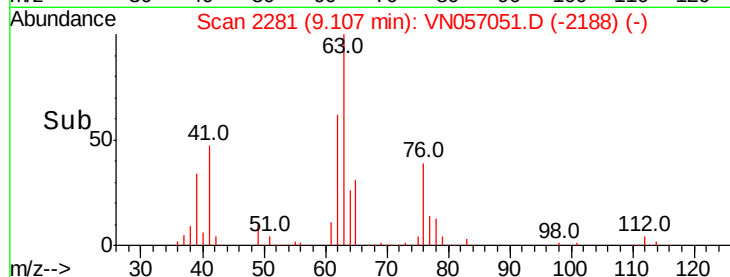
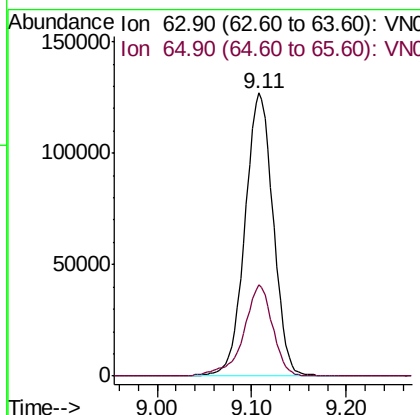
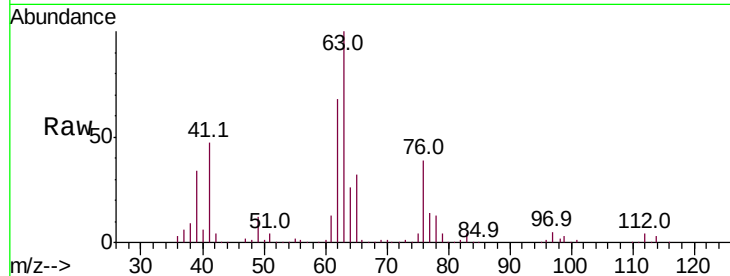
#45
 1,2-Dichloropropane
 Concen: 50.358 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.8	37.2

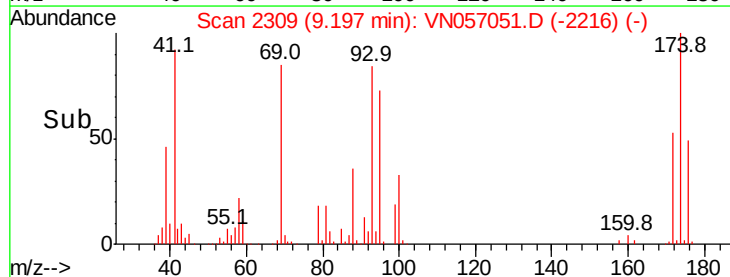
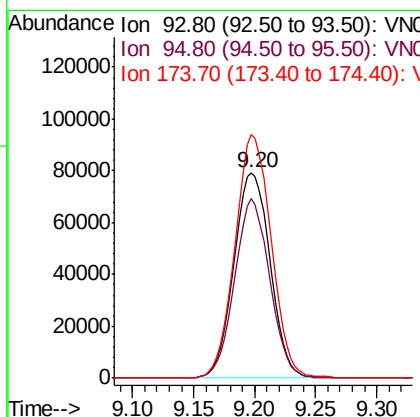
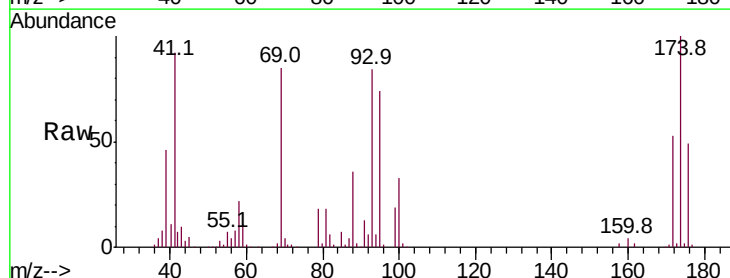
Manual Integrations
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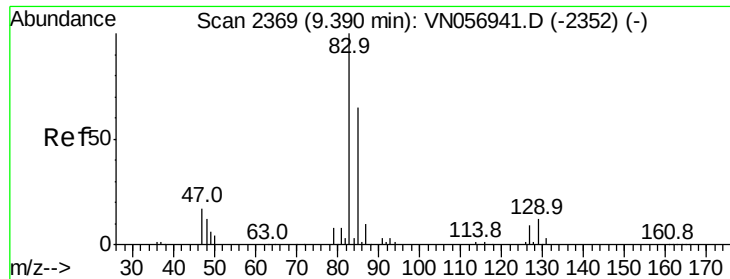
MMDadoda
 8/6/2019 2:16:39 PM



#46
 Dibromomethane
 Concen: 51.917 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.0	100.6
174	118.5	92.7	139.1





#47

Bromodichloromethane

Concen: 52.759 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

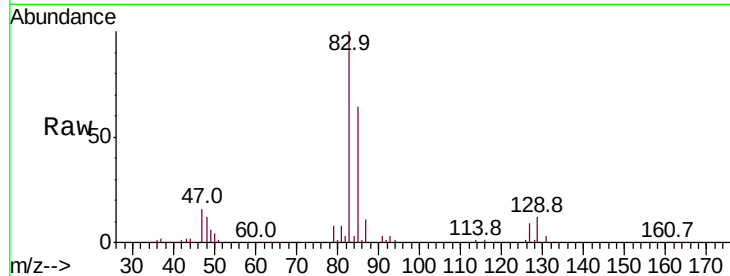
ClientSampleId :

VSTDCCC050

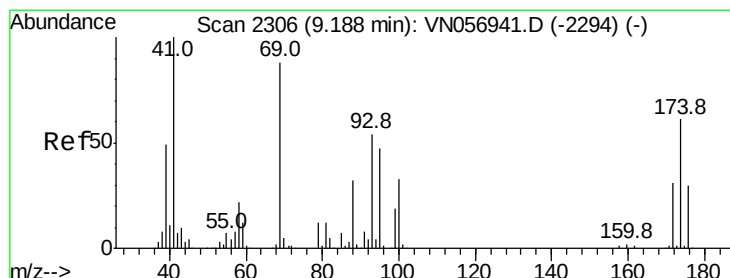
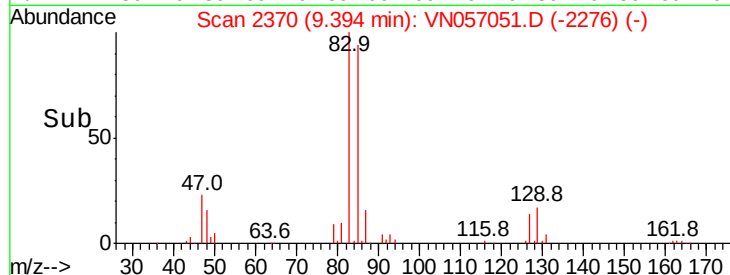
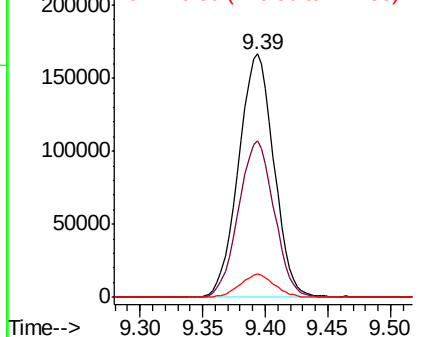
Tot Ion:	83	Resp:	326764
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.6	77.4
127	9.5	7.3	10.9

Manual Integrations
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8/6/2019 2:16:39 PM



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



#48

Methyl methacrylate

Concen: 49.360 ug/l

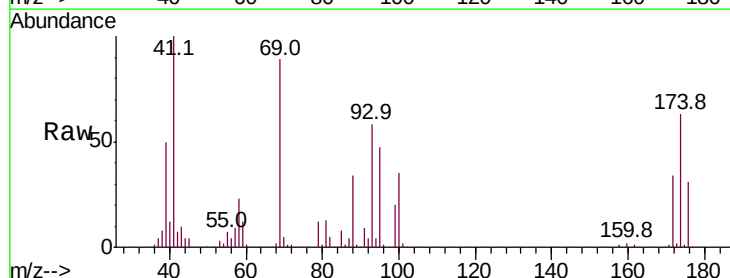
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

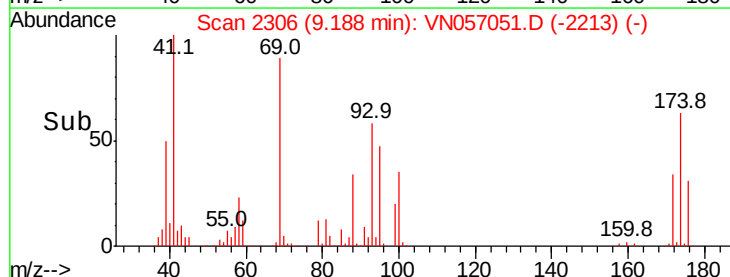
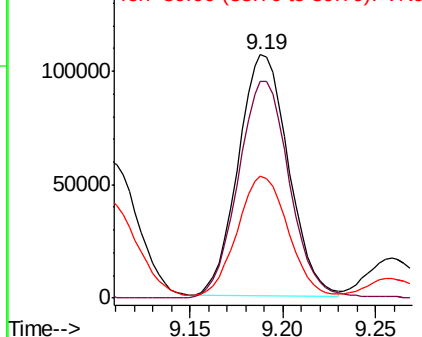
Lab File: VN057051.D

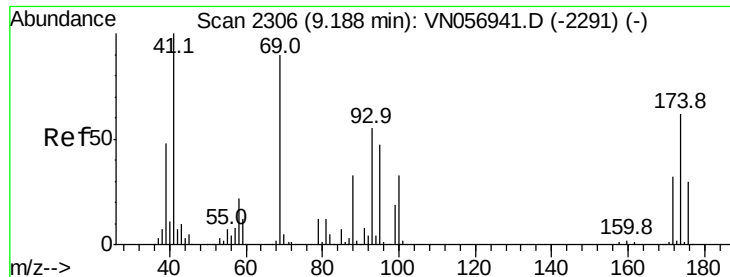
Acq: 2 Aug 2019 8:54

Tgt Ion:	41	Resp:	200015
Ion Ratio	Lower	Upper	
41	100		
69	92.8	73.4	110.0
39	51.9	39.9	59.9



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





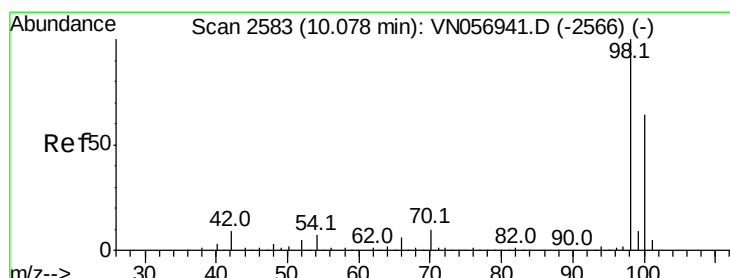
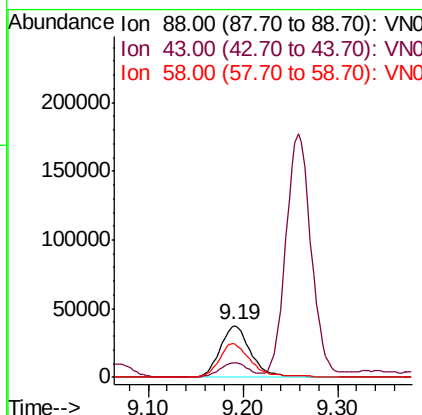
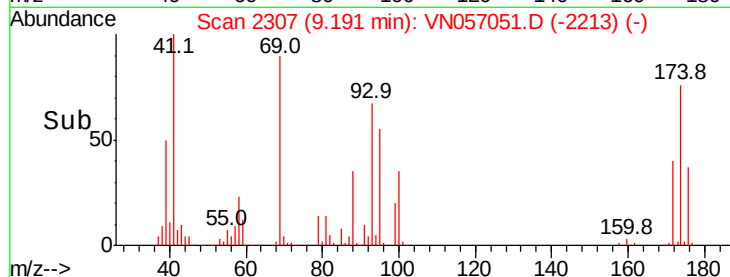
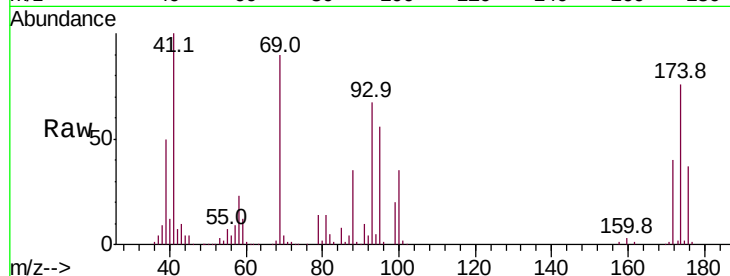
#49
 1,4-Dioxane
 Concen: 1022.281 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.6	22.2	33.2
58	65.6	54.1	81.1

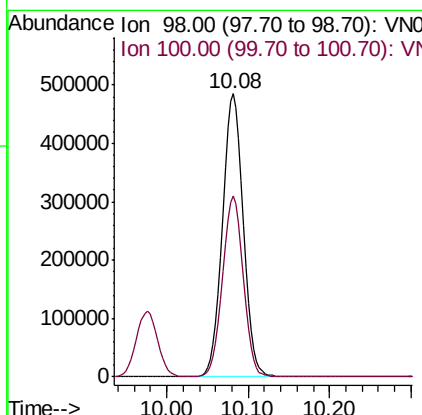
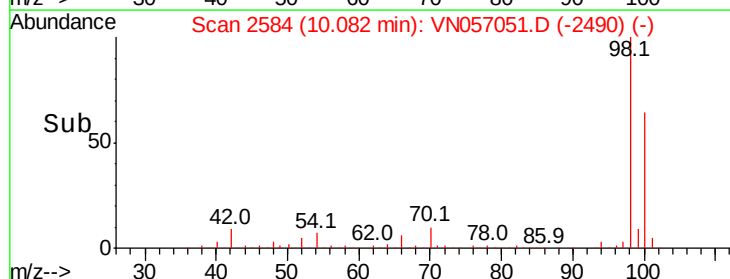
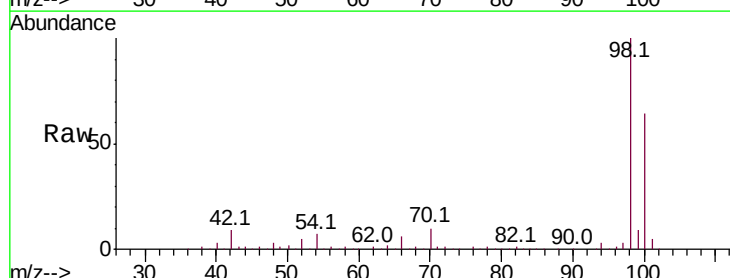
Manual Integrations
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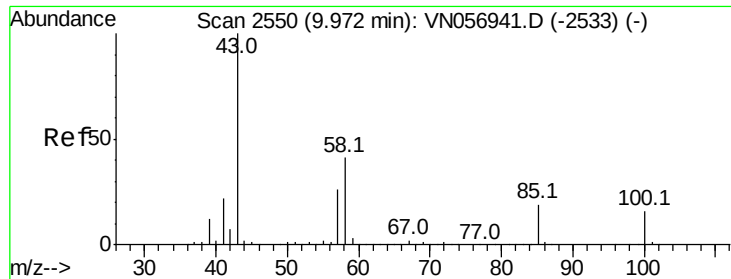
MMDadoda
 8/6/2019 2:16:39 PM



#50
 Toluene-d8
 Concen: 50.088 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 243.162 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Tot Ion: 43 Resp: 1212627

Ion Ratio Lower Upper

43 100

58 41.1 33.1 49.7

Instrument :

MSVOA_N

ClientSampleId :

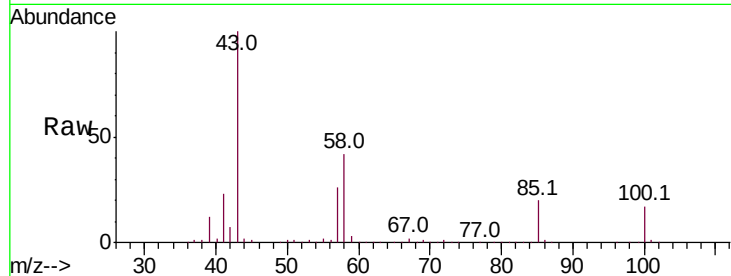
VSTDCCC050

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

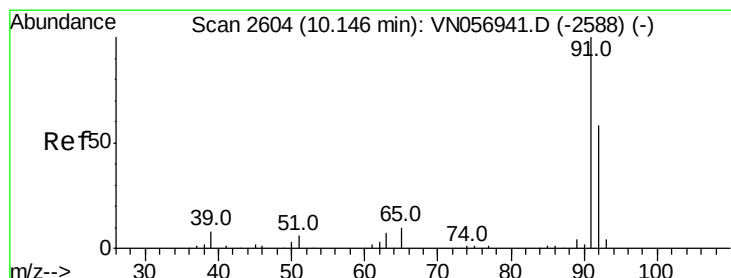
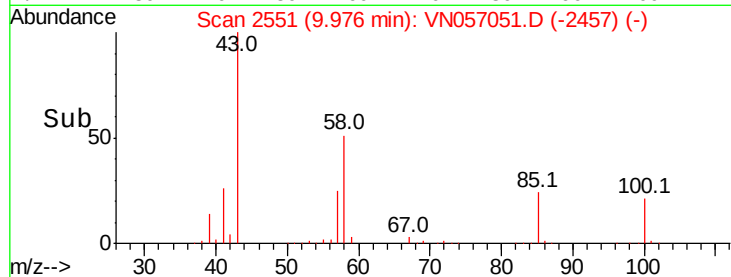
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.196 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057051.D

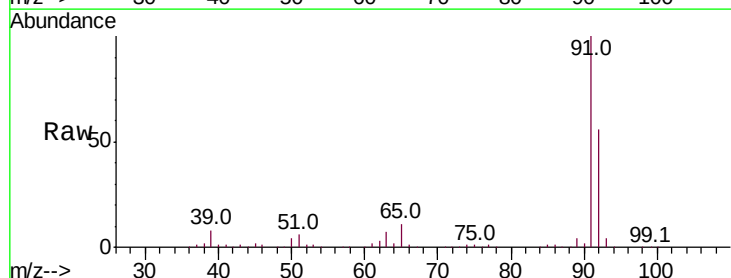
Acq: 2 Aug 2019 8:54

Tgt Ion: 92 Resp: 600678

Ion Ratio Lower Upper

92 100

91 176.1 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

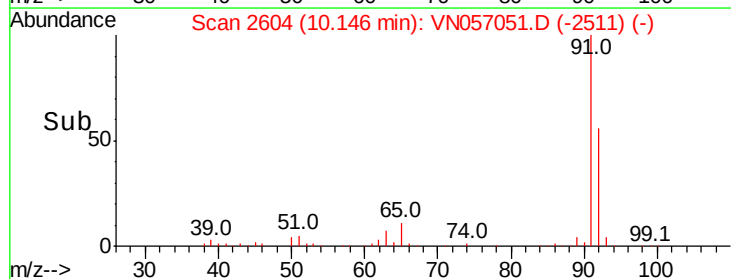
600000

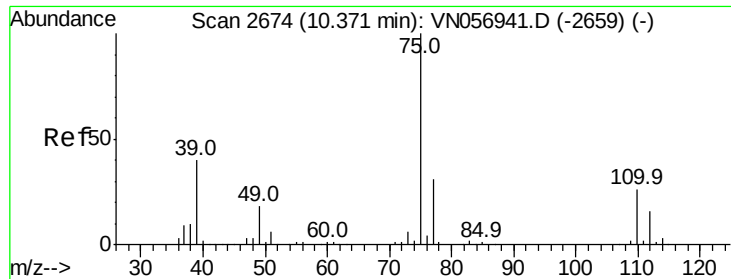
400000

200000

0

Time-->





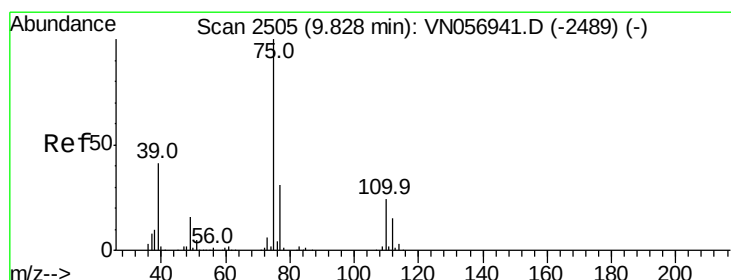
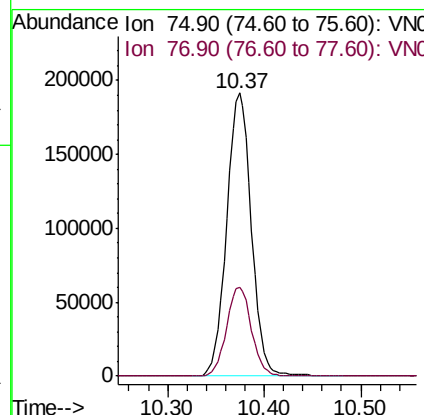
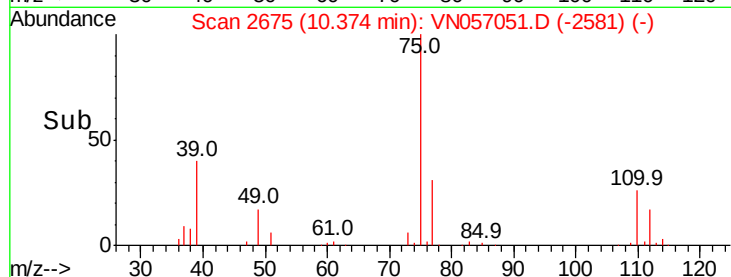
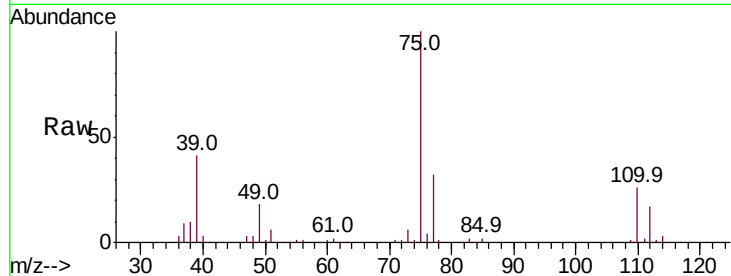
#53
t-1,3-Dichloropropene
Concen: 52.686 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 338615
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

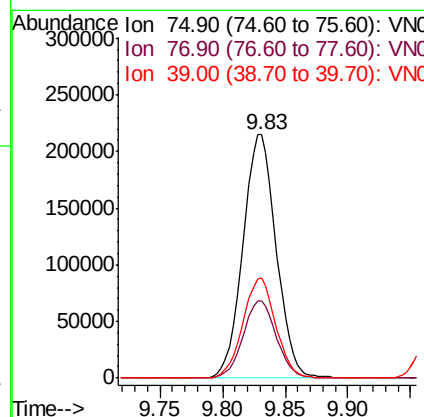
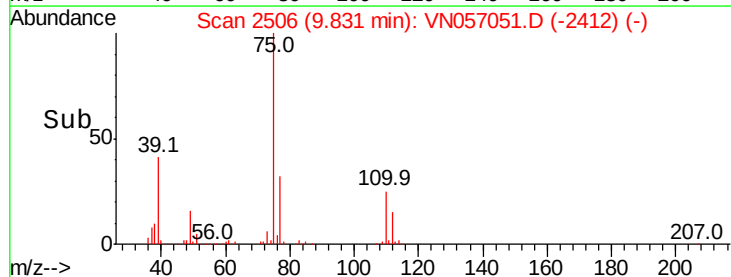
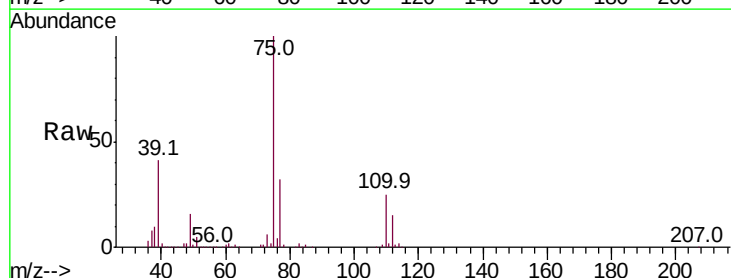
Manual Integrations
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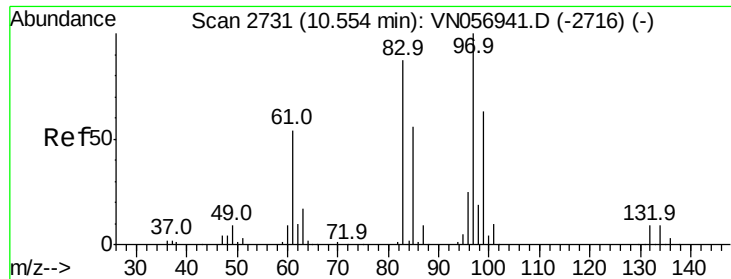
MMDadoda
8/6/2019 2:16:39 PM



#54
cis-1,3-Dichloropropene
Concen: 52.912 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion: 75 Resp: 395402
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6
39 41.0 32.6 49.0





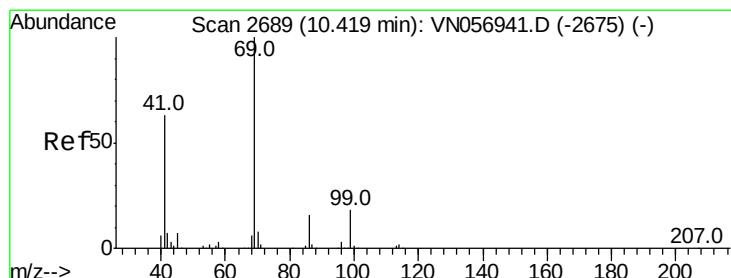
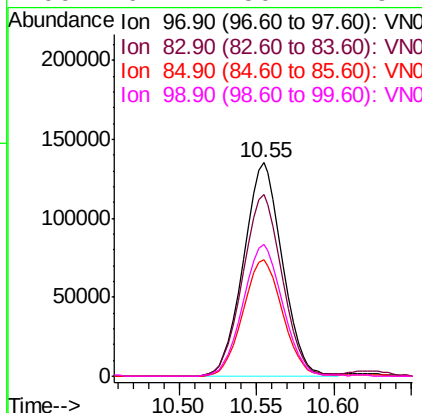
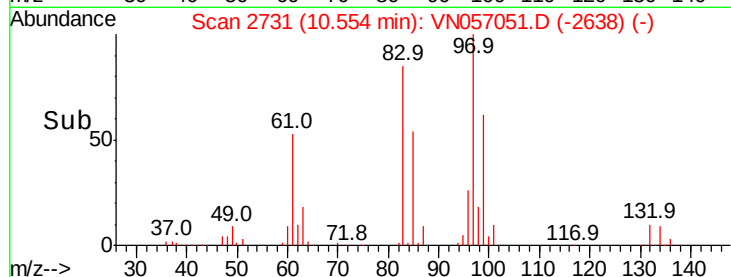
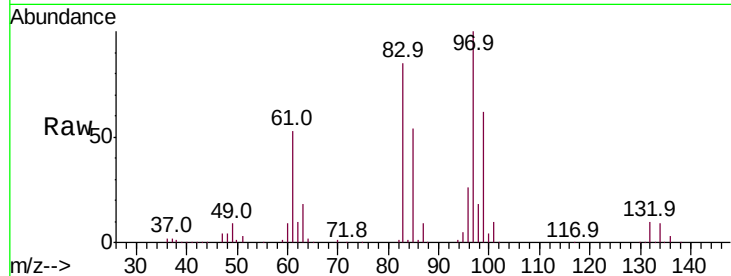
#55
 1,1,2-Trichloroethane
 Concen: 50.305 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		236700		
83	84.9	69.4	104.0		
85	54.3	44.7	67.1		
99	61.7	50.1	75.1		

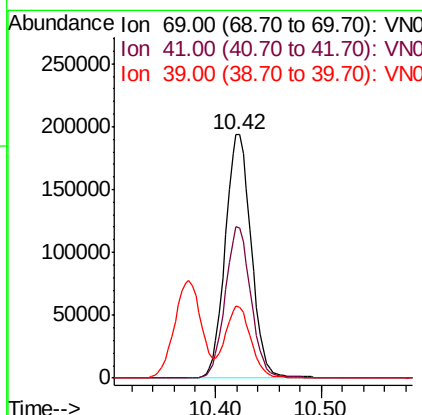
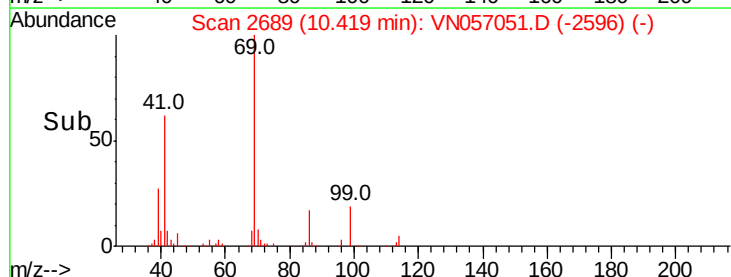
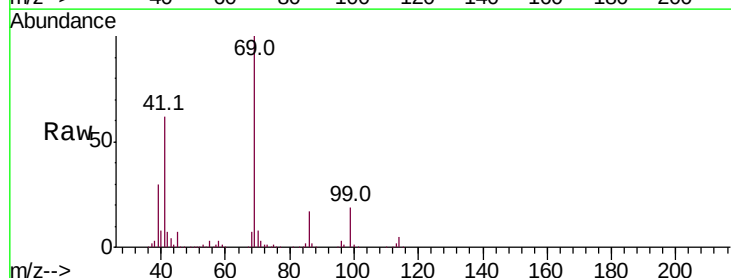
Manual Integrations
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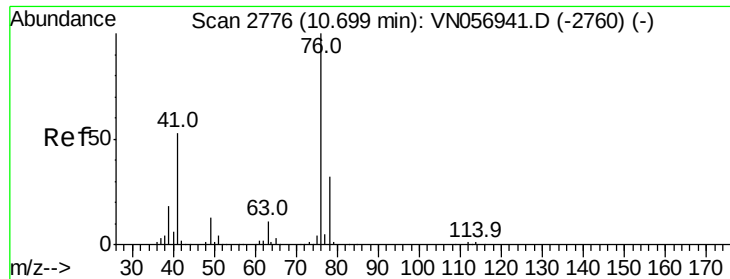
MMDadoda
 8/6/2019 2:16:39 PM



#56
 Ethyl methacrylate
 Concen: 46.548 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		329866		
41	60.6	49.2	73.8		
39	28.8	23.1	34.7		





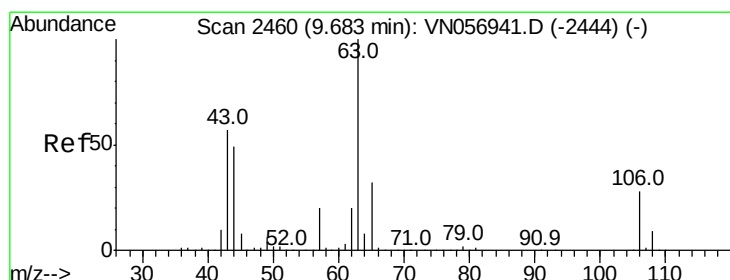
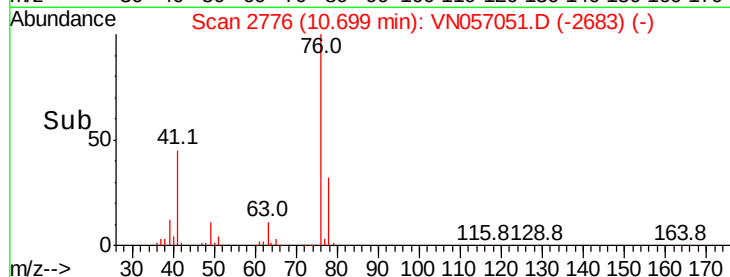
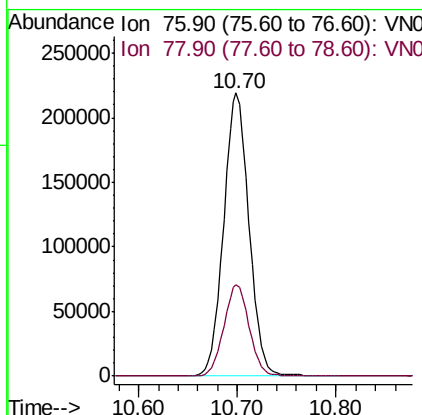
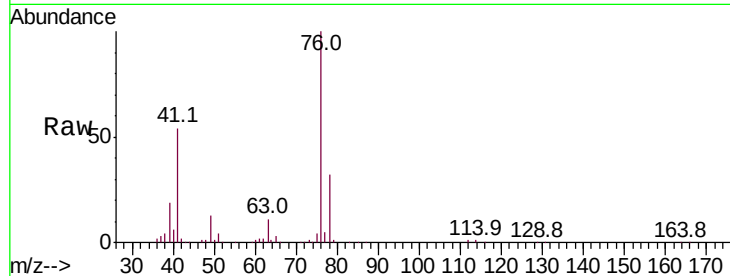
#57
 1,3-Dichloropropane
 Concen: 50.659 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 395261
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

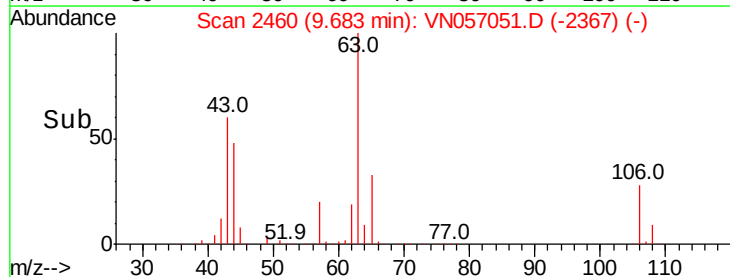
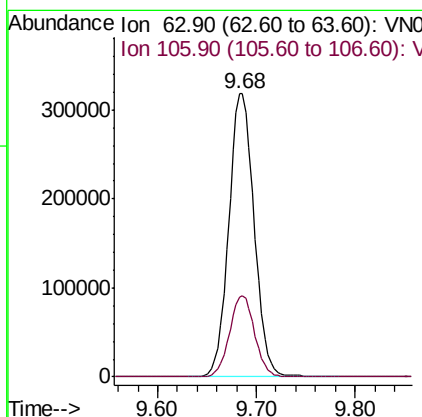
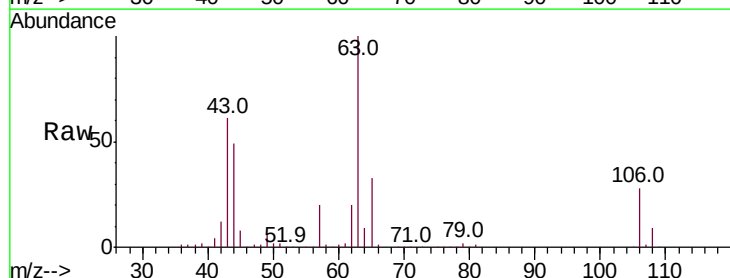
Manual Integrations
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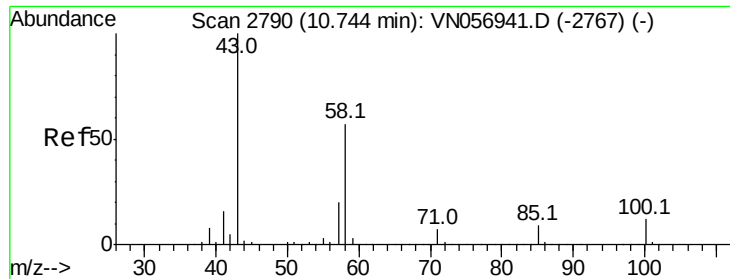
MMDadoda
 8/6/2019 2:16:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 203.000 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion: 63 Resp: 572388
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.0 33.0





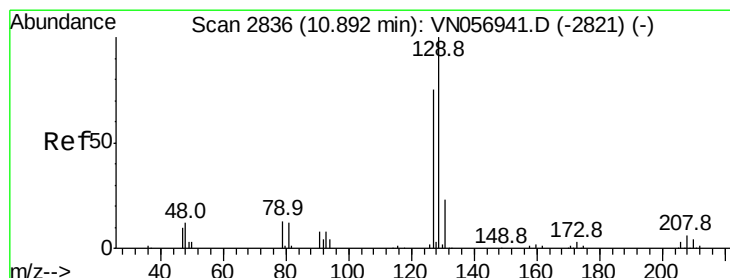
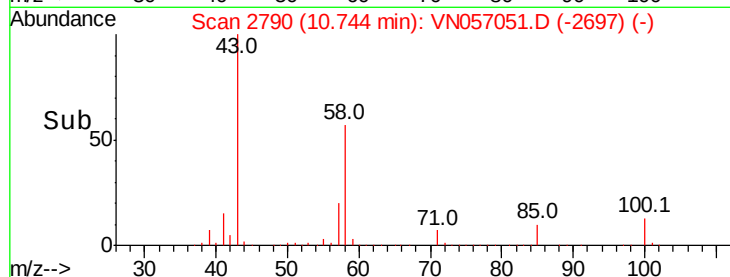
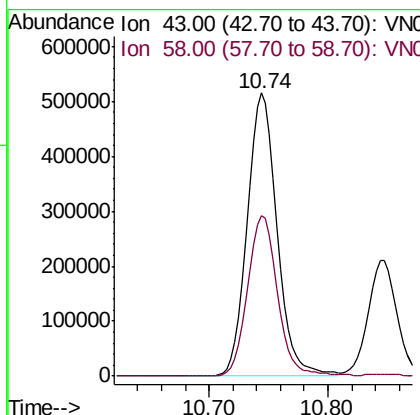
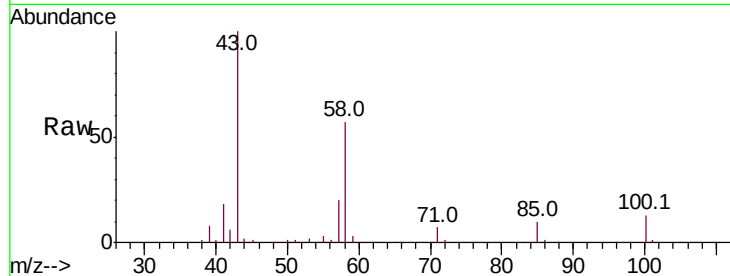
#59
2-Hexanone
Concen: 232.828 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 893489
Ion Ratio Lower Upper
43 100
58 57.2 28.5 85.5

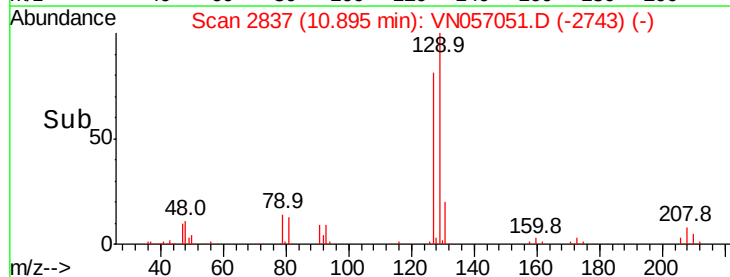
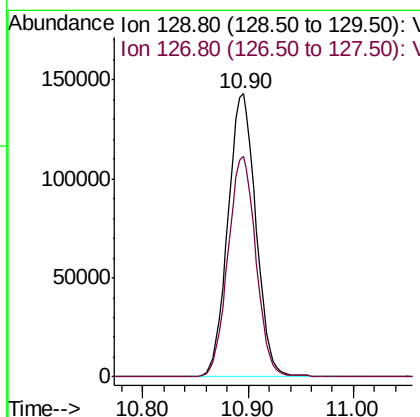
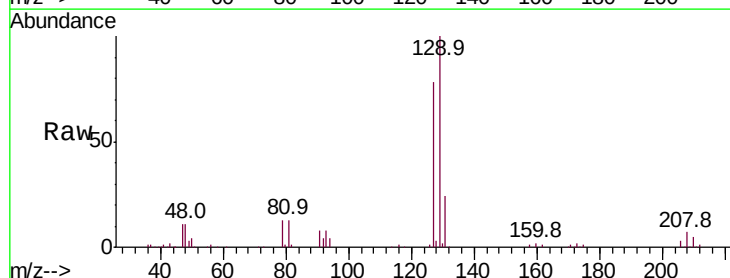
Manual Integrations
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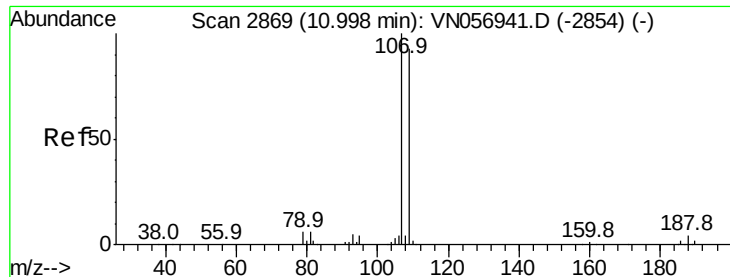
MMDadoda
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#60
Dibromochloromethane
Concen: 54.490 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion: 129 Resp: 262676
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





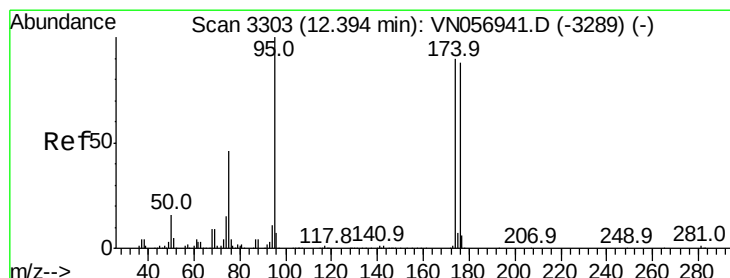
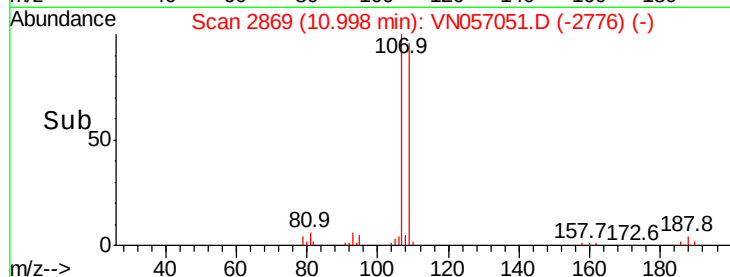
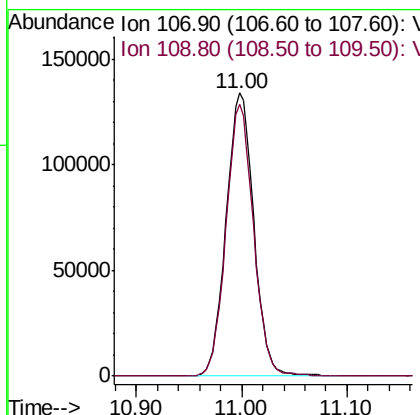
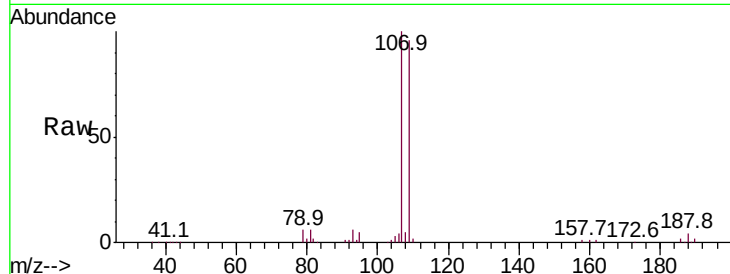
#61
 1,2-Dibromoethane
 Concen: 52.811 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.0	114.0

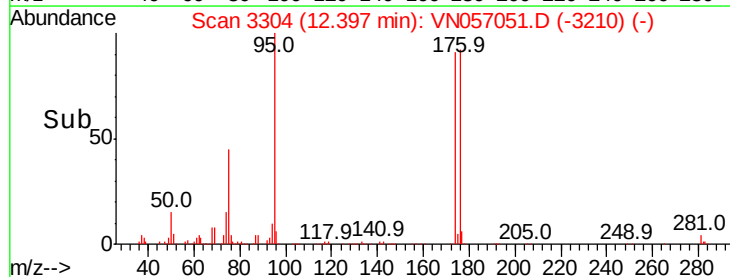
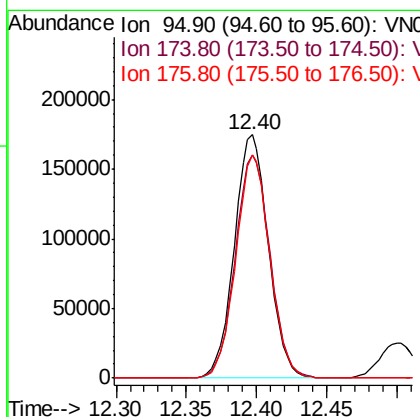
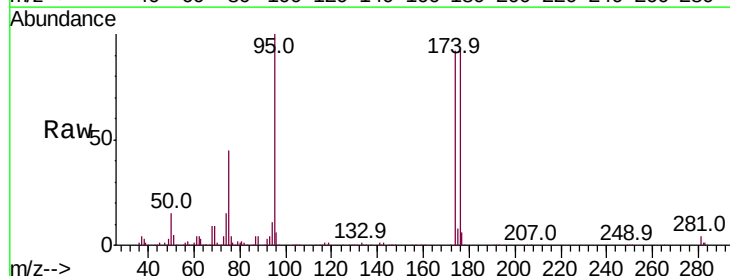
Manual Integrations
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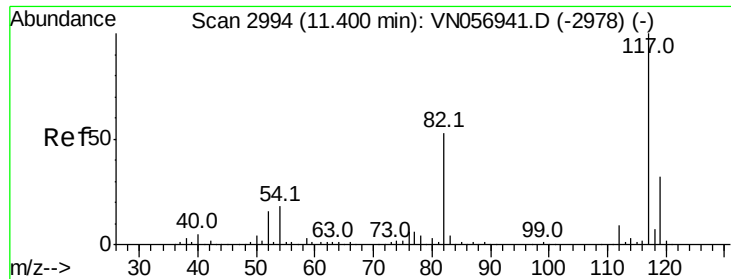
MMDadoda
 8/6/2019 2:16:39 PM



#62
 4-Bromofluorobenzene
 Concen: 51.550 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	182.2
176	91.4	0.0	179.4





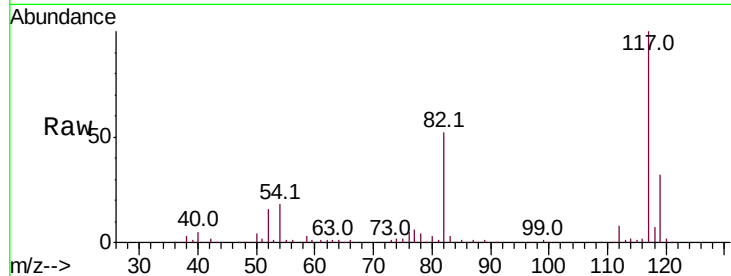
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.2	63.4
119	32.0	25.8	38.6

Manual Integrations
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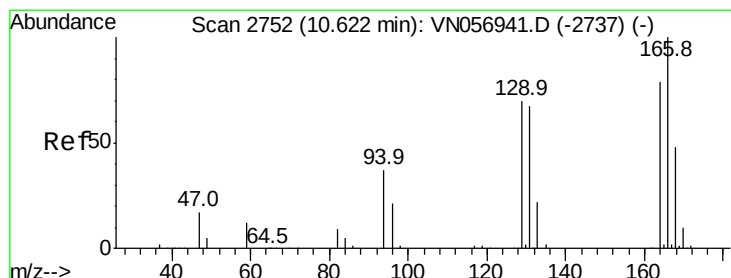
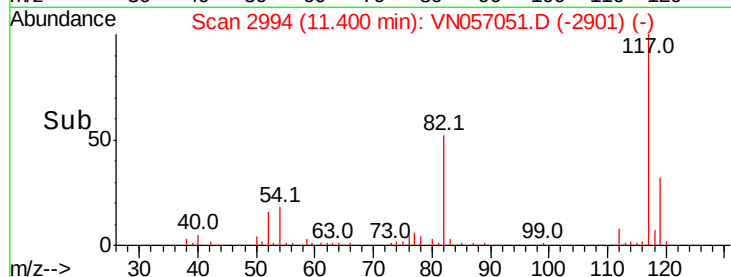
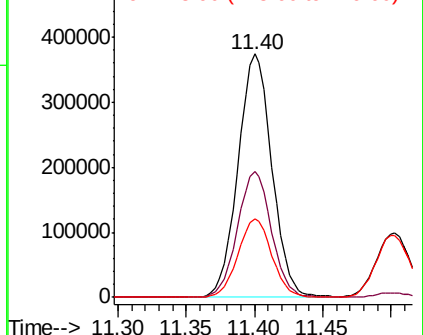


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.803 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.1	151.7
129	89.7	70.9	106.3
131	87.5	67.7	101.5

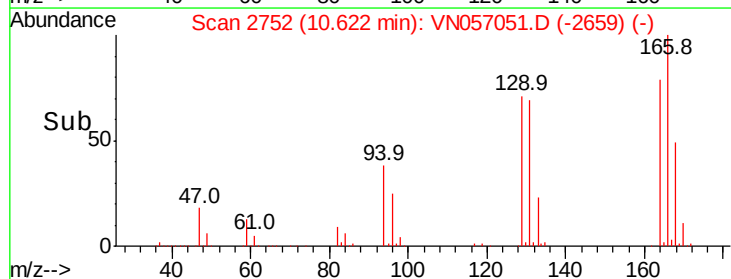
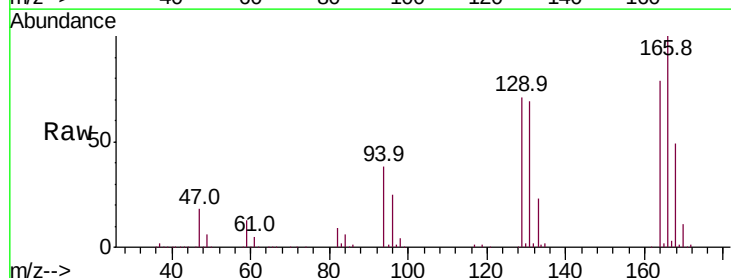
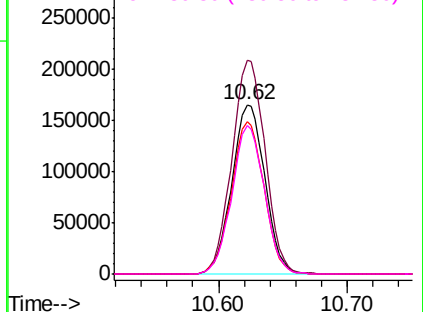
Abundance

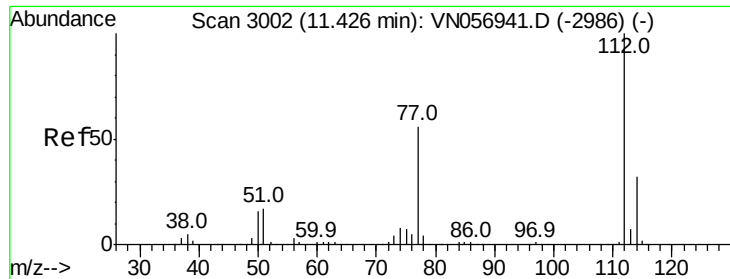
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





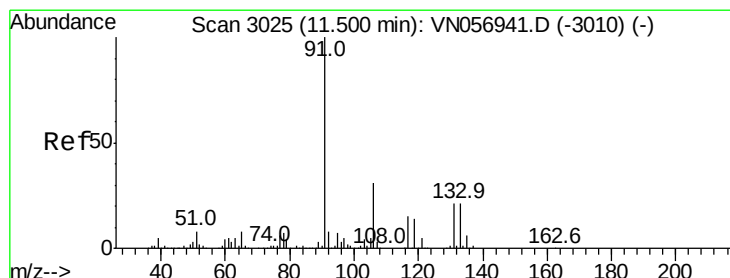
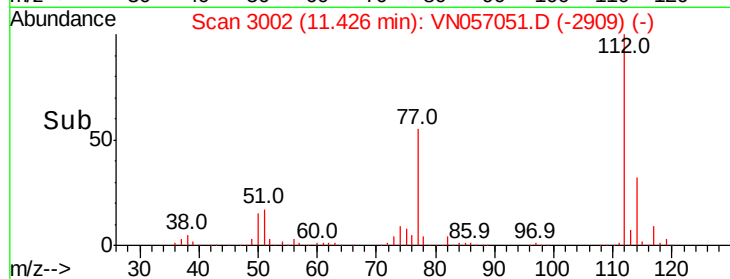
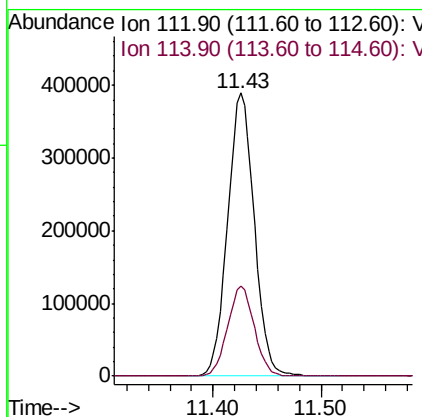
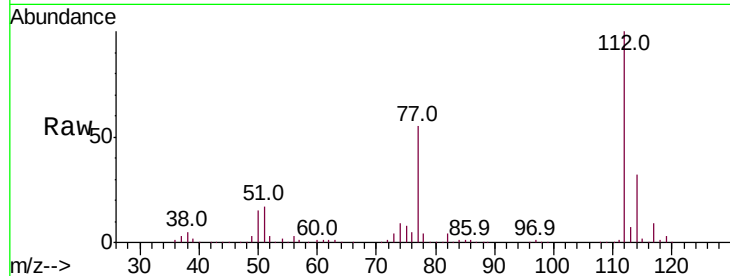
#65
Chlorobenzene
Concen: 51.033 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 671392
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

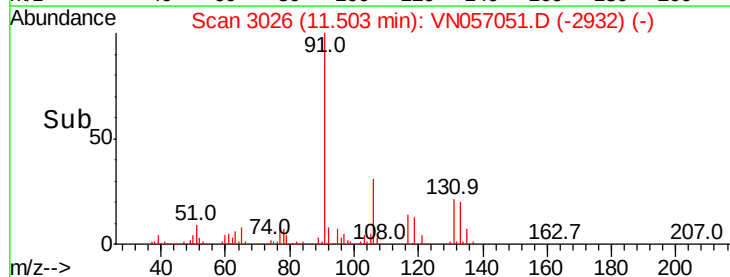
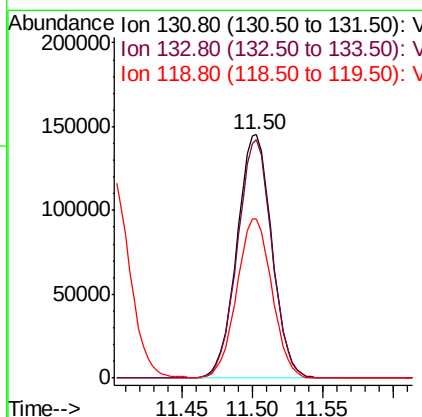
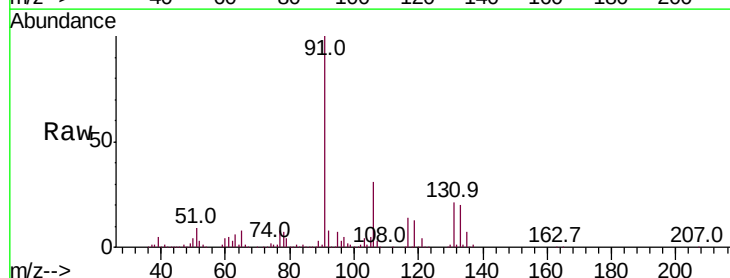
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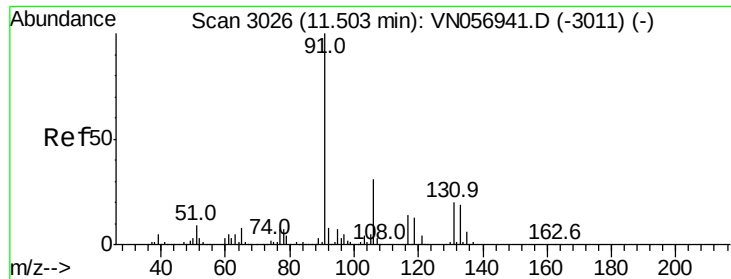
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.046 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion:131 Resp: 252766
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.0
119 65.9 33.2 99.6





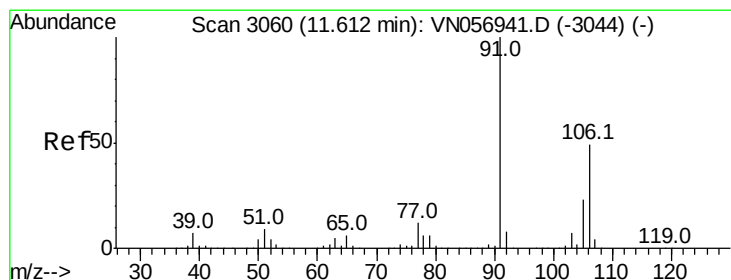
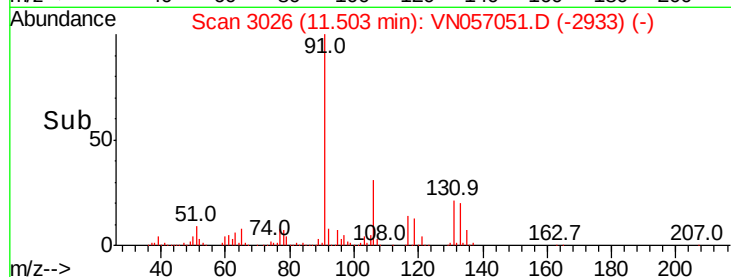
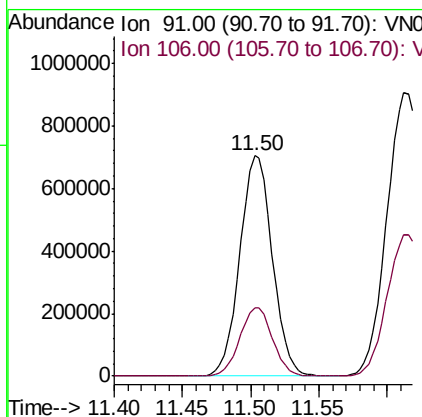
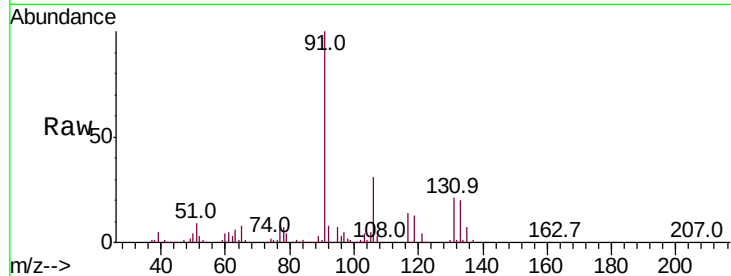
#67
Ethyl Benzene
Concen: 51.321 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1166935
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

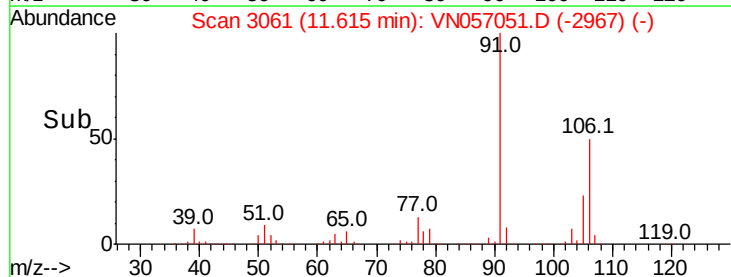
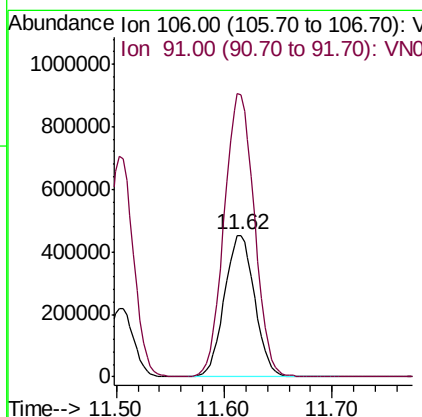
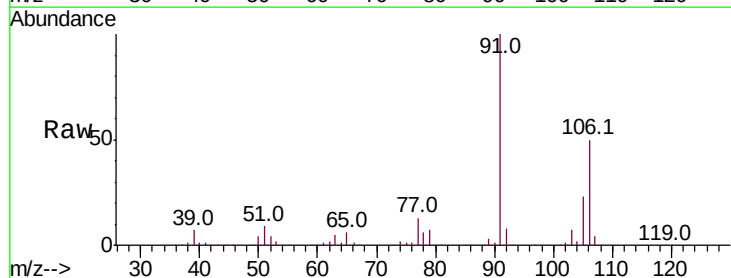
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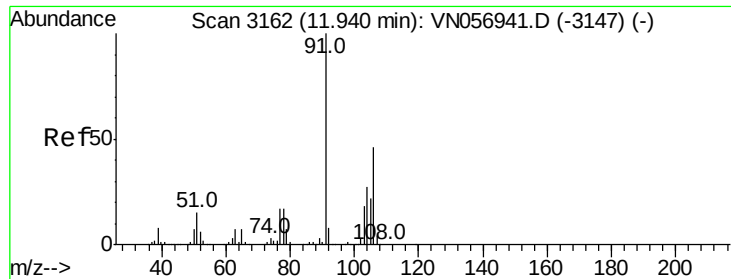
MMDadoda
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#68
m/p-Xylenes
Concen: 105.210 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion: 106 Resp: 882880
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0





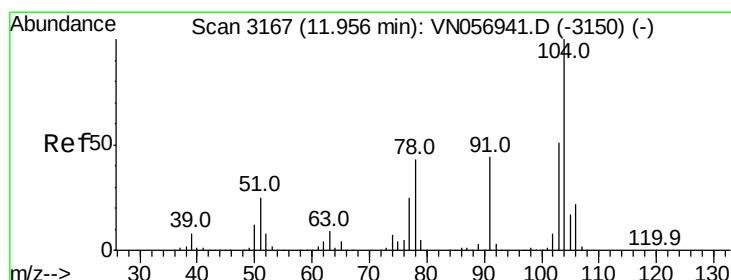
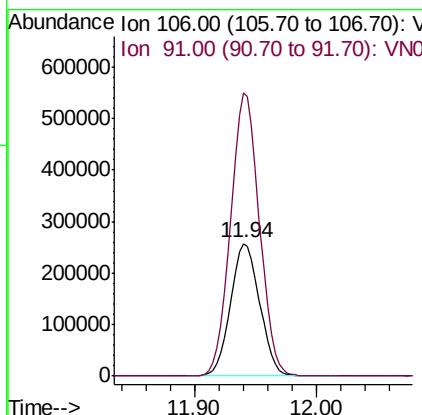
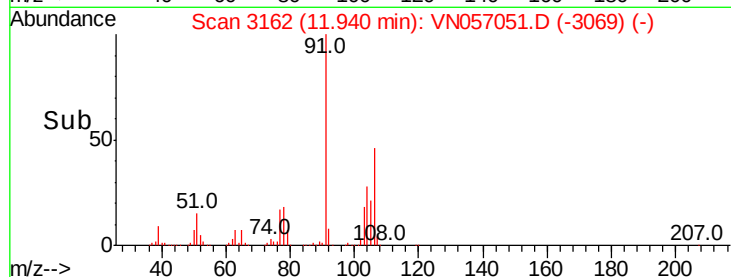
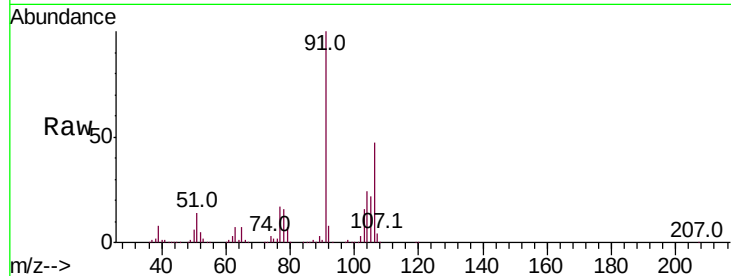
#69
o-Xylene
Concen: 52.103 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 427754
Ion Ratio Lower Upper
106 100
91 211.4 106.2 318.6

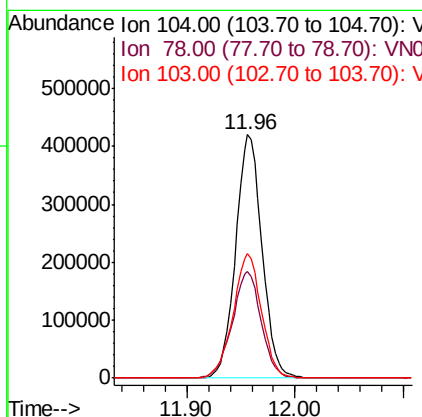
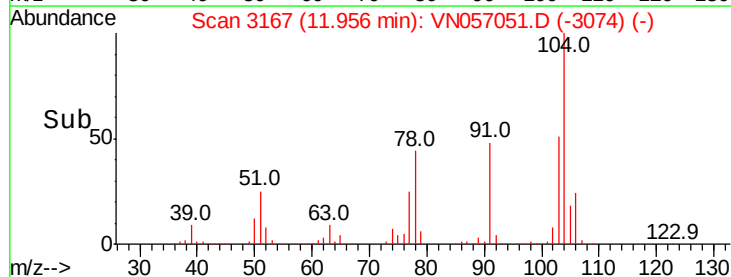
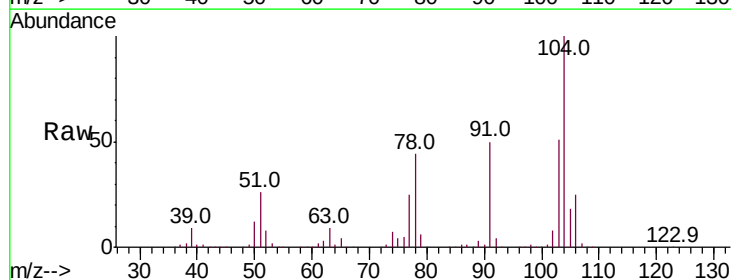
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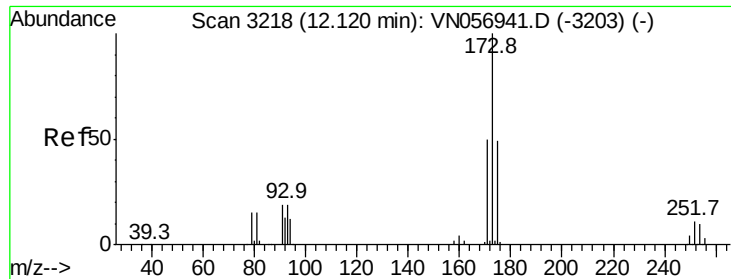
MMDadoda
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#70
Styrene
Concen: 49.435 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion:104 Resp: 717039
Ion Ratio Lower Upper
104 100
78 47.9 38.1 57.1
103 54.9 44.3 66.5





#71

Bromoform

Concen: 53.546 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

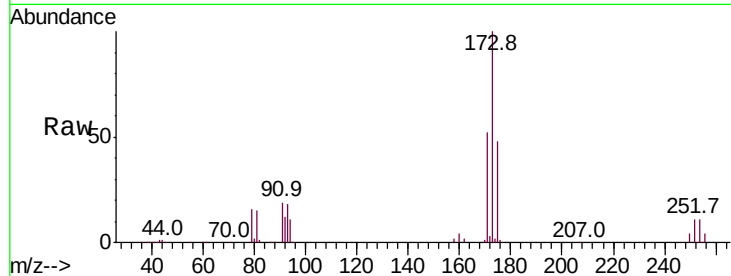
ClientSampled :

VSTDCCC050

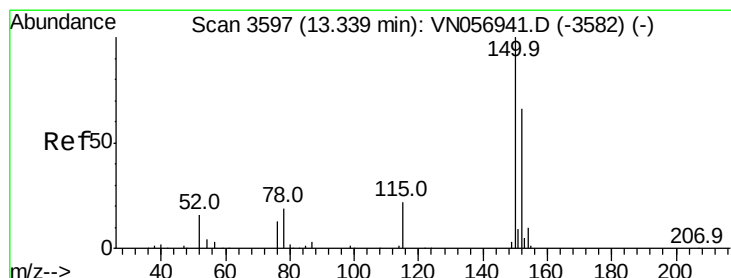
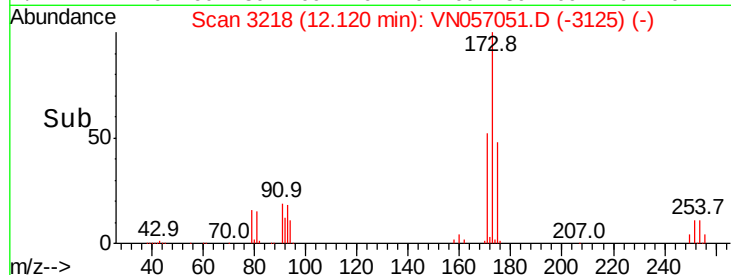
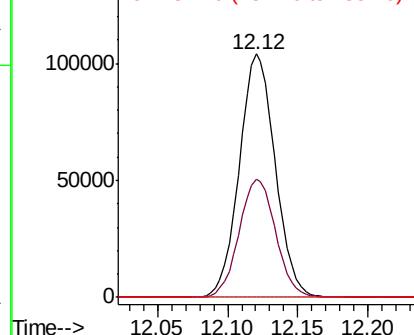
Tot Ion:	173	Resp:	185117
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.1	72.4
254	0.1	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

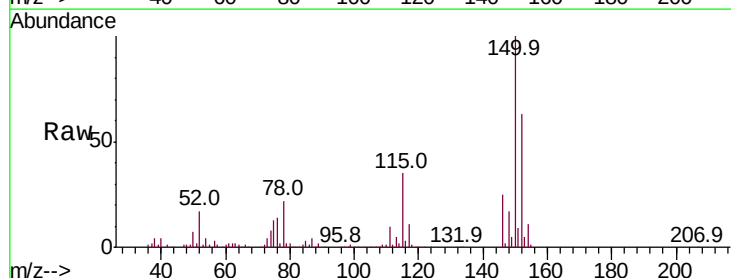
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

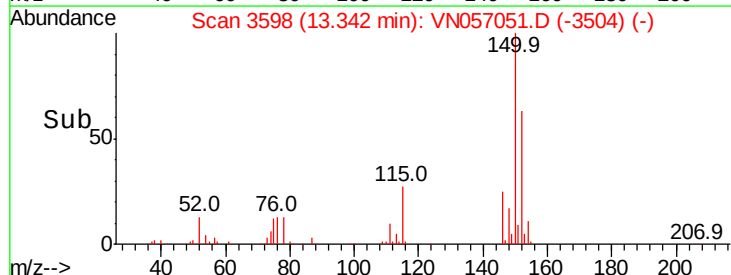
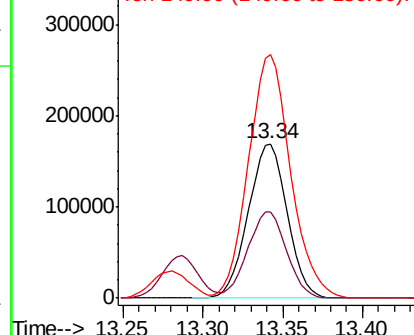
Lab File: VN057051.D

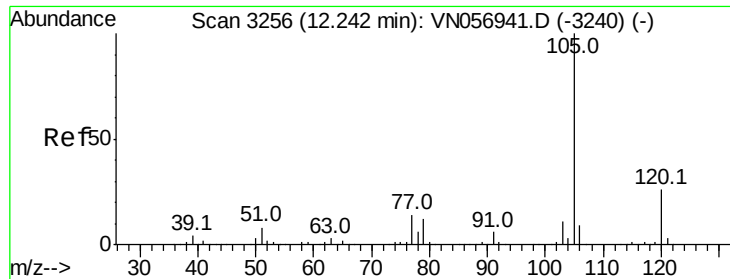
Acq: 2 Aug 2019 8:54

Tgt Ion:	152	Resp:	281029
Ion Ratio	Lower	Upper	
152	100		
115	56.2	28.2	84.6
150	171.9	0.0	349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.830 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1161673

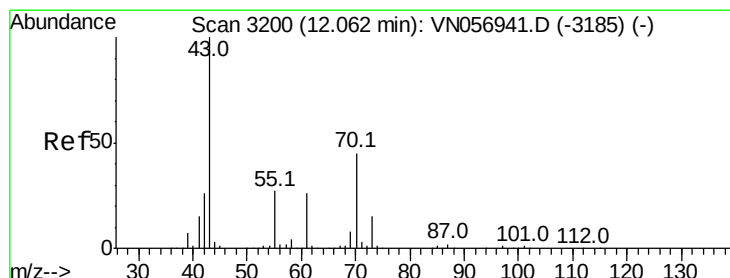
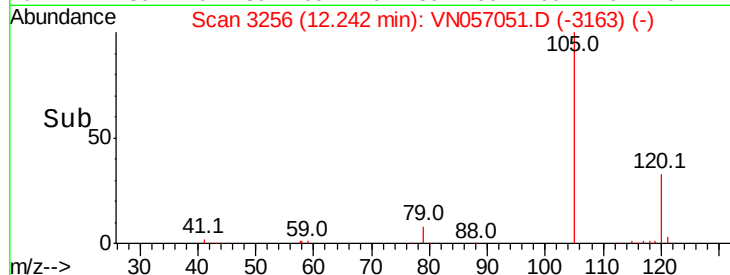
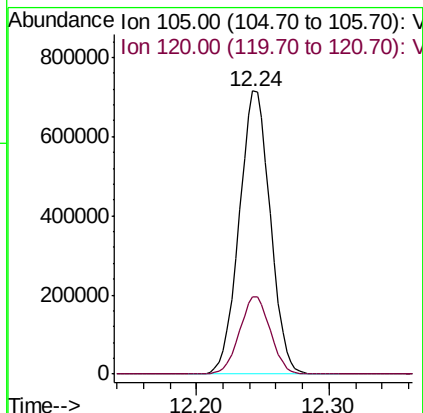
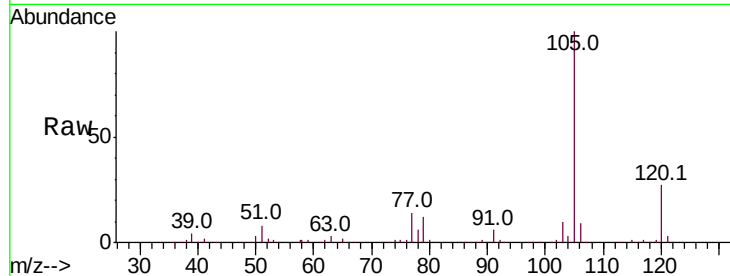
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.042 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Tgt Ion: 43 Resp: 324700

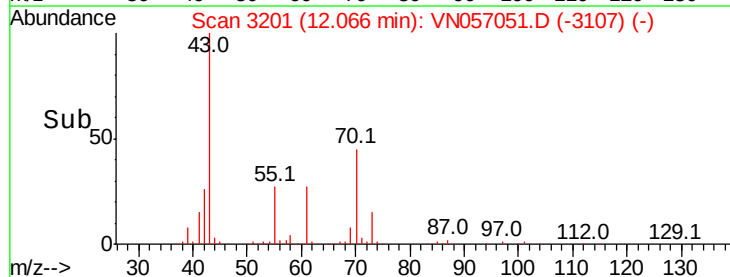
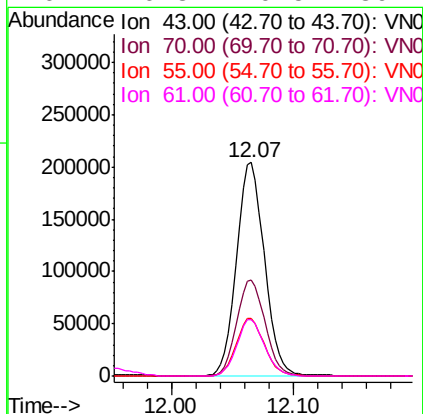
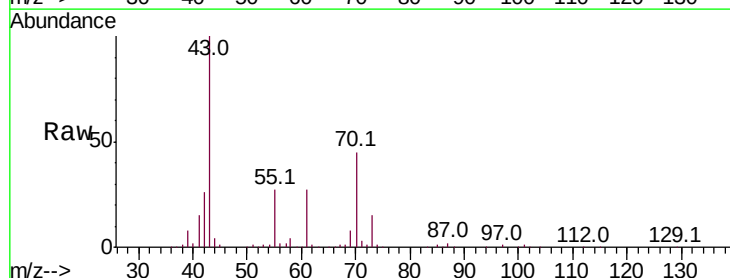
Ion Ratio Lower Upper

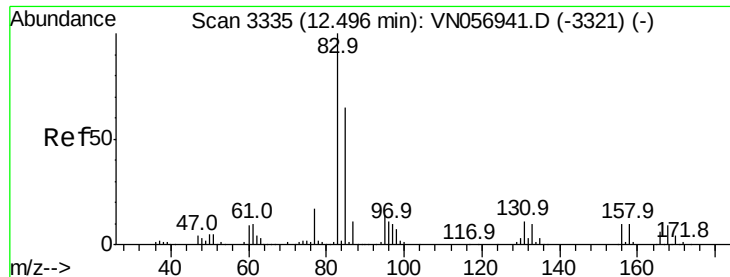
43 100

70 45.7 36.5 54.7

55 27.3 21.4 32.0

61 26.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.150 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 296174
Ion Ratio Lower Upper

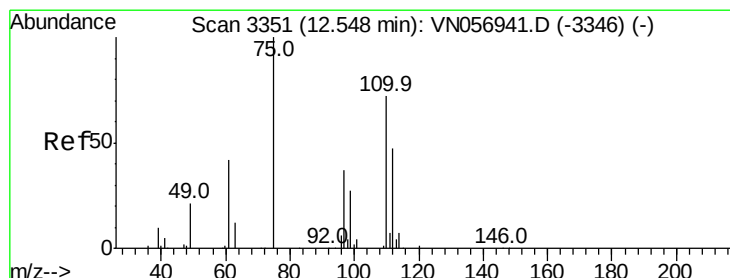
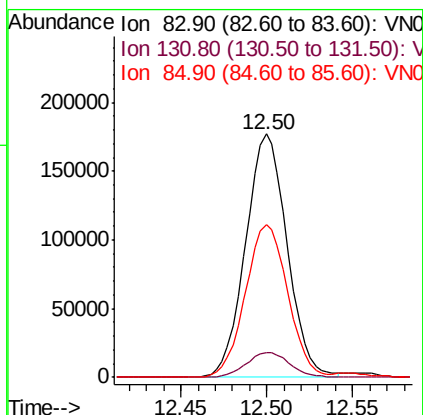
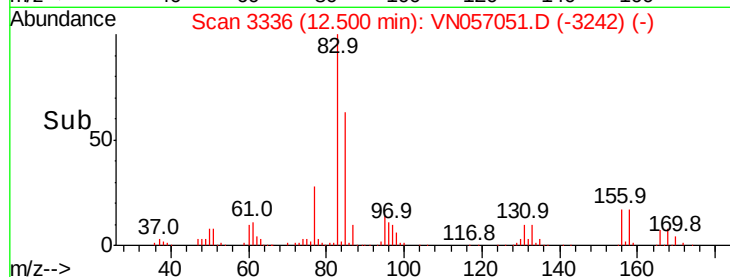
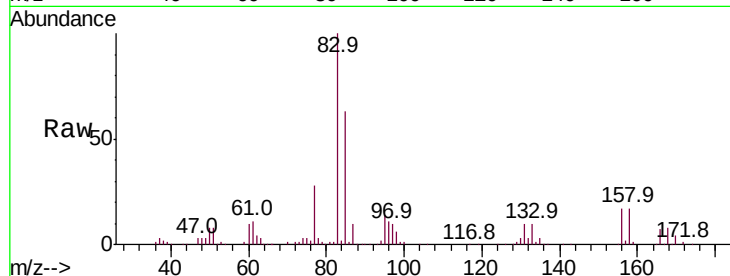
83 100

131 10.9 5.3 16.1

85 64.2 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.895 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

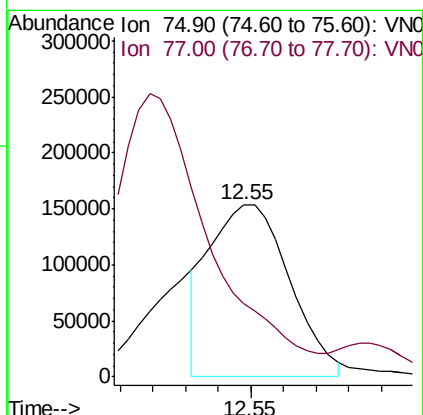
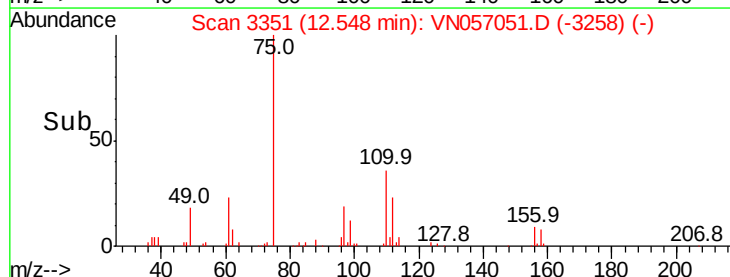
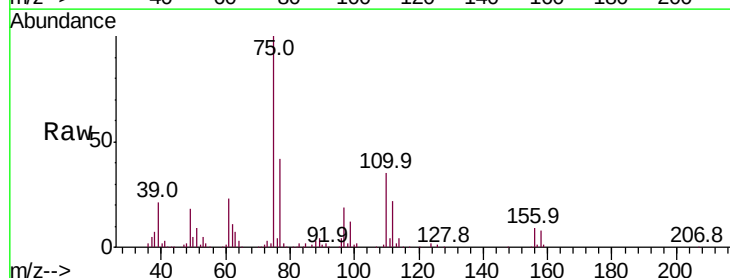
Lab File: VN057051.D

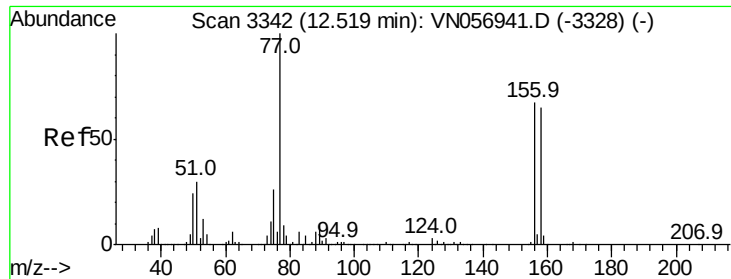
Acq: 2 Aug 2019 8:54

Tgt Ion: 75 Resp: 261935
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.737 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

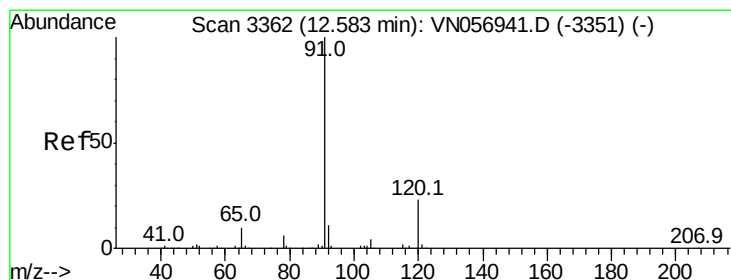
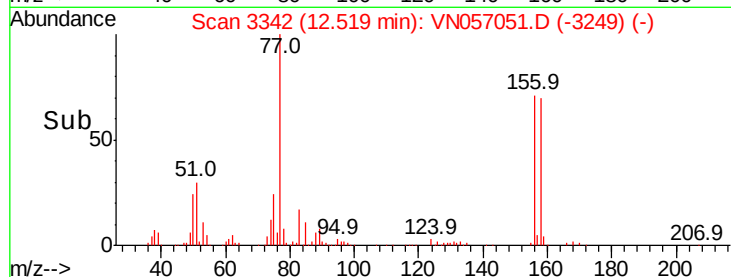
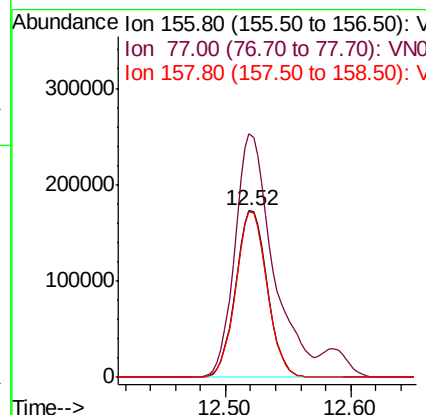
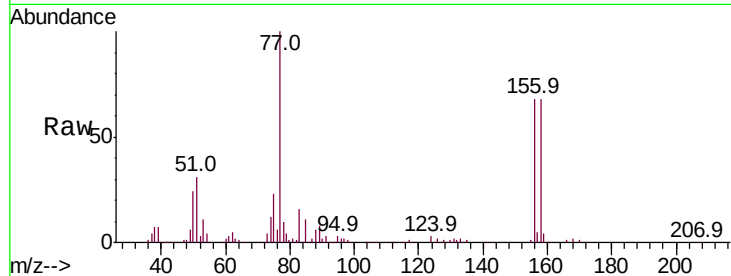
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.3	89.5	268.5
158	98.1	48.4	145.3

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#78

n-propylbenzene

Concen: 49.260 ug/l

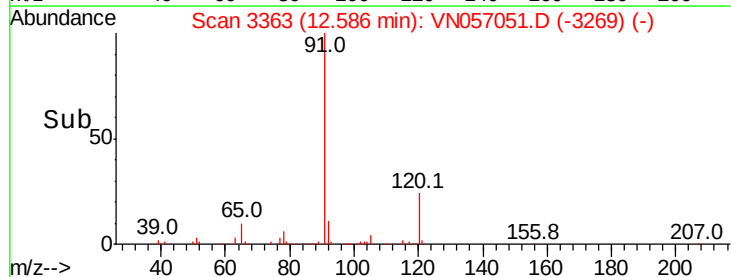
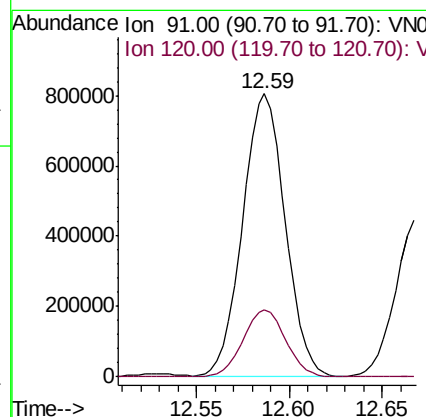
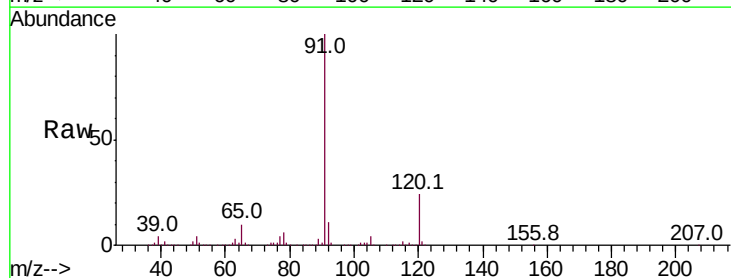
RT: 12.59 min Scan# 3363

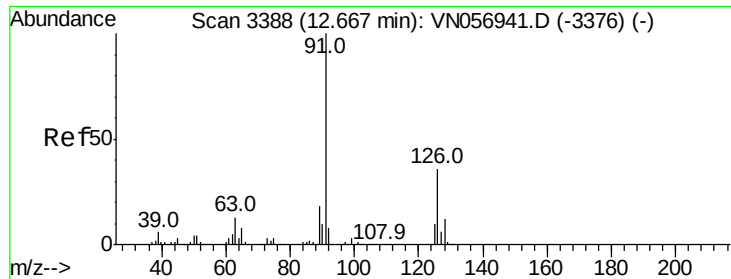
Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 47.175 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 753308

Ion Ratio Lower Upper

91 100

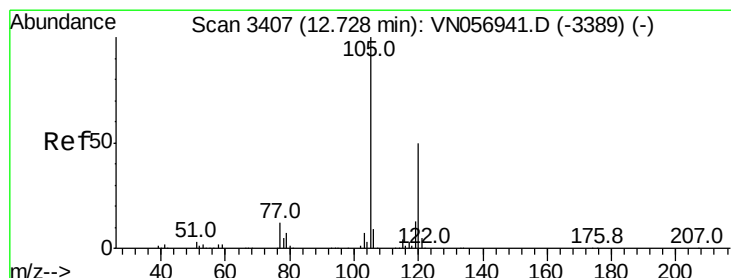
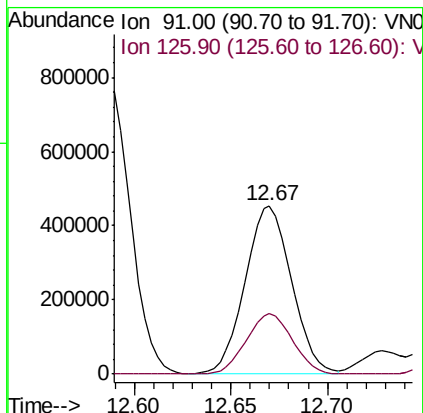
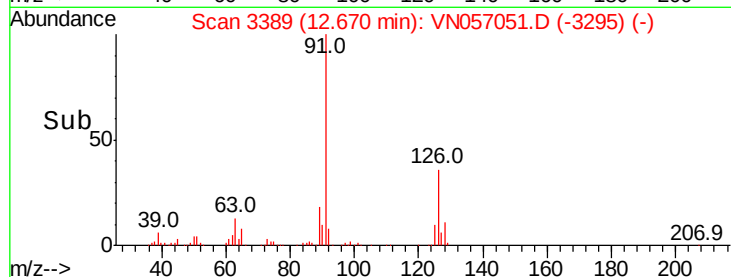
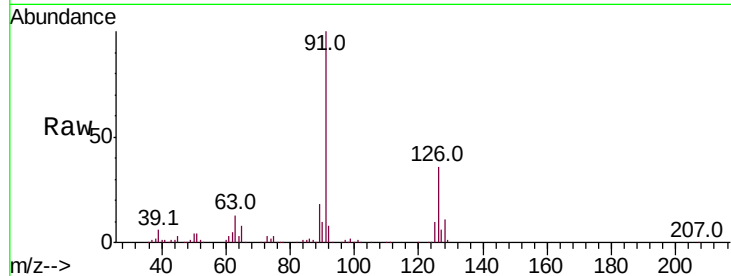
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.057 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057051.D

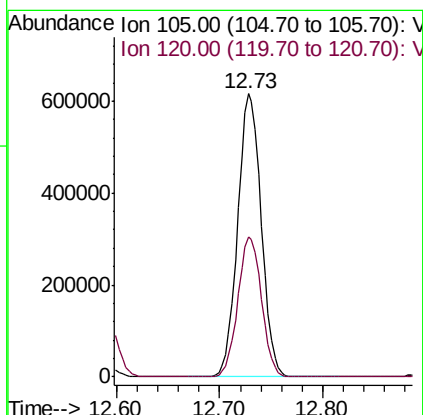
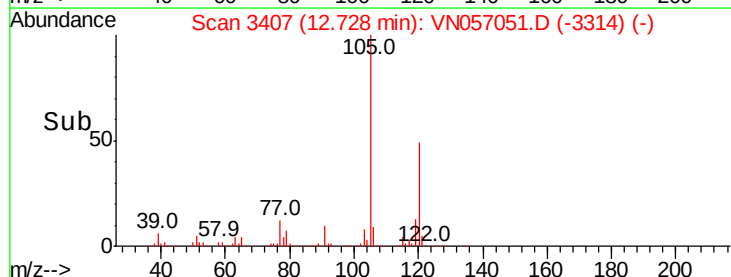
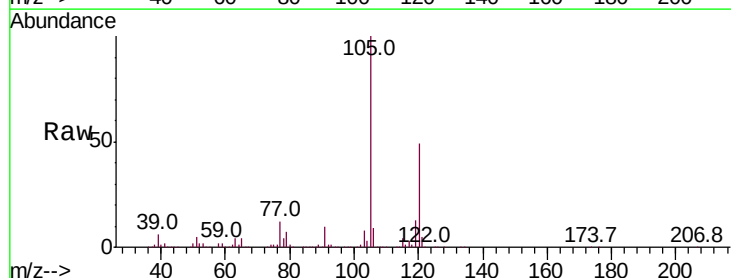
Acq: 2 Aug 2019 8:54

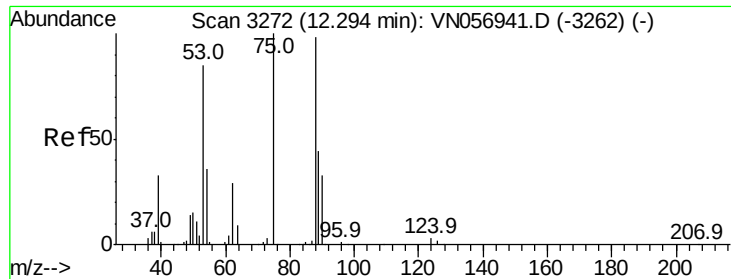
Tgt Ion: 105 Resp: 977898

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.3





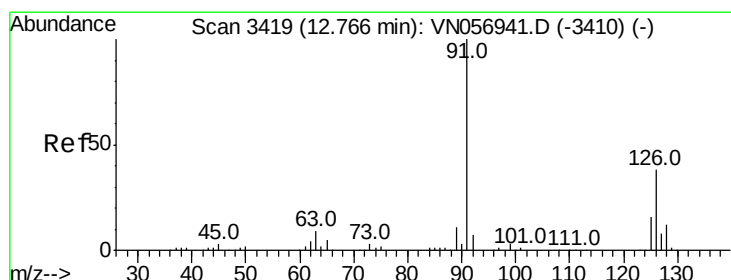
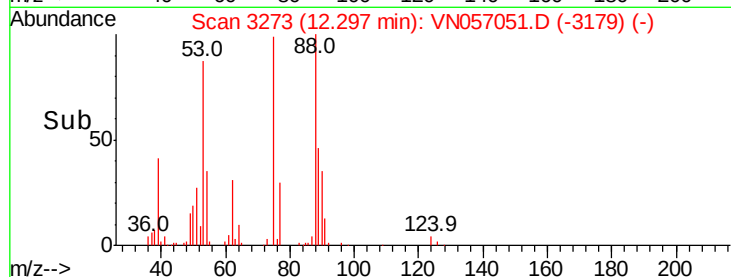
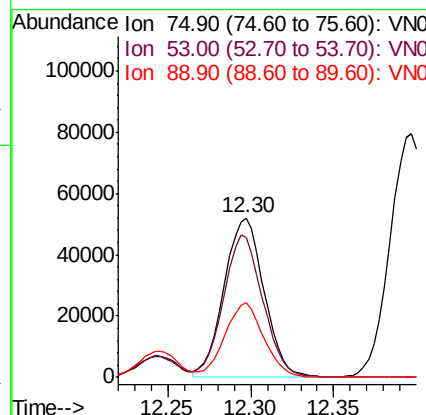
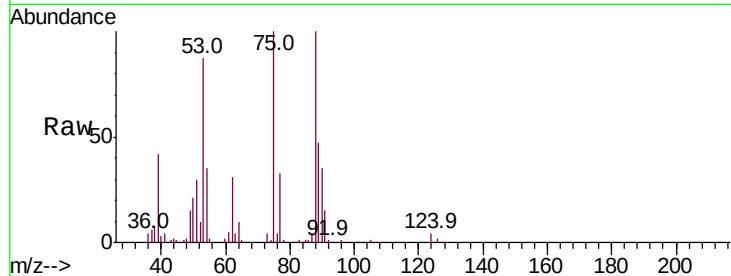
#81
trans-1,4-Dichloro-2-butene
Concen: 49.391 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 87734
Ion Ratio Lower Upper
75 100
53 87.8 69.3 103.9
89 45.2 35.8 53.6

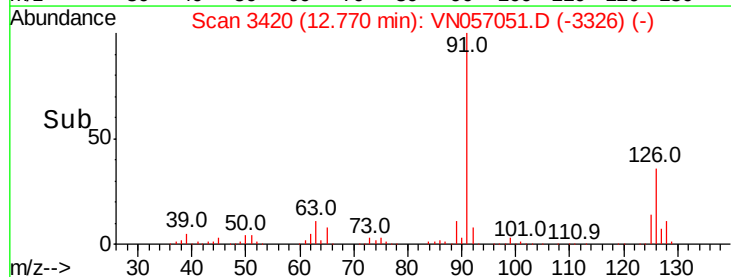
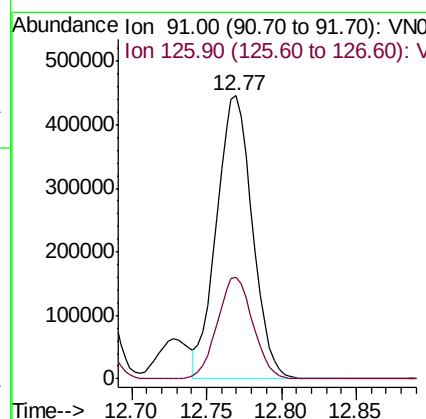
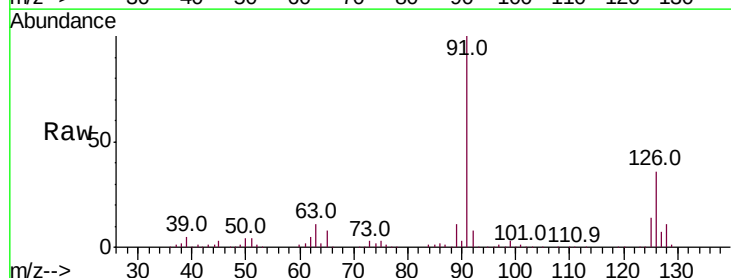
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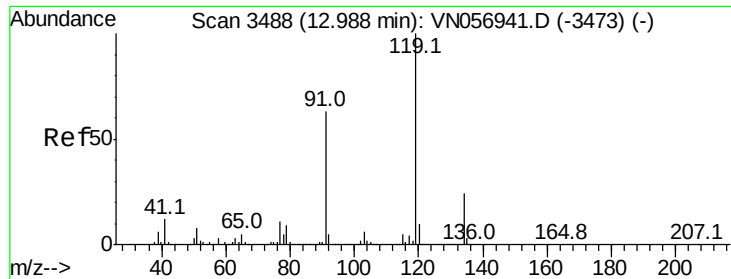
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.620 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion: 91 Resp: 741500
Ion Ratio Lower Upper
91 100
126 35.8 17.5 52.5





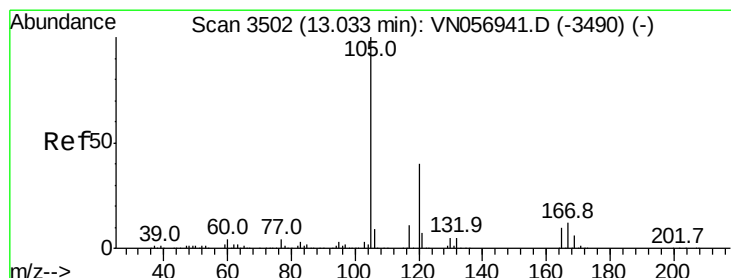
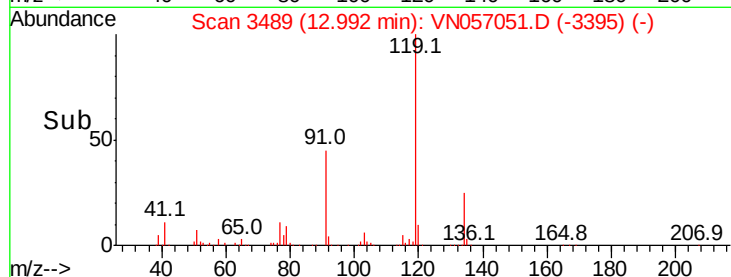
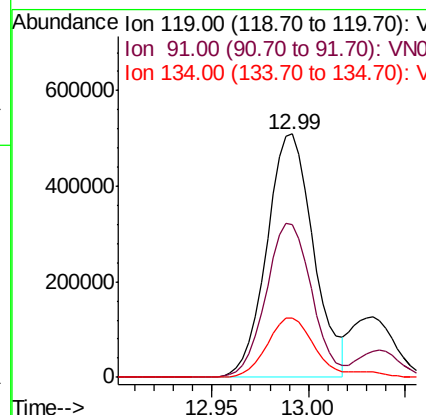
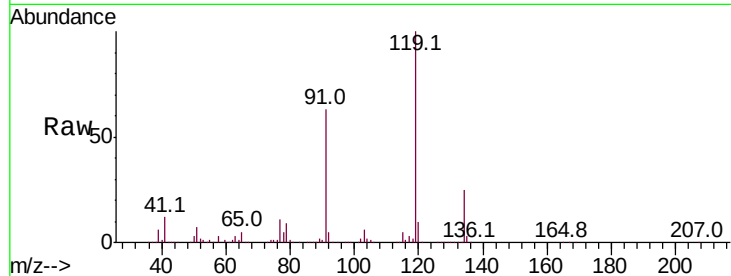
#83
 tert-Butylbenzene
 Concen: 48.546 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	856661		
91	61.7	31.3	93.8	
134	26.1	13.3	39.8	

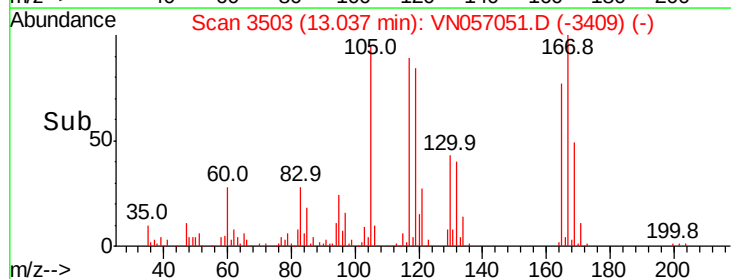
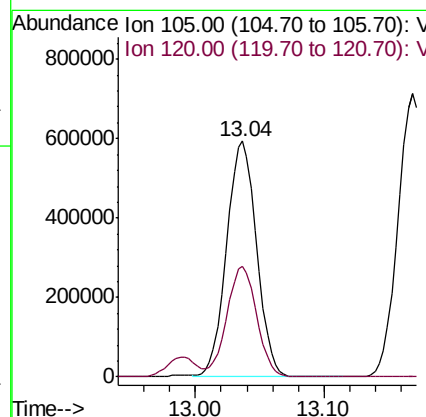
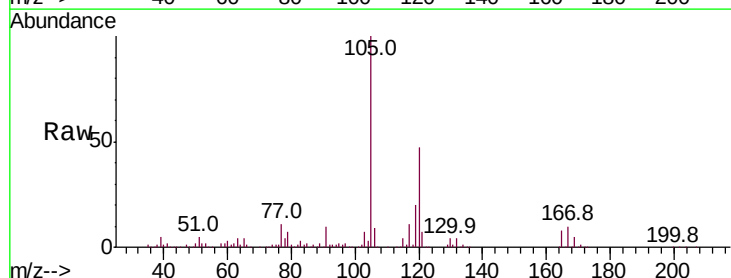
Manual Integrations
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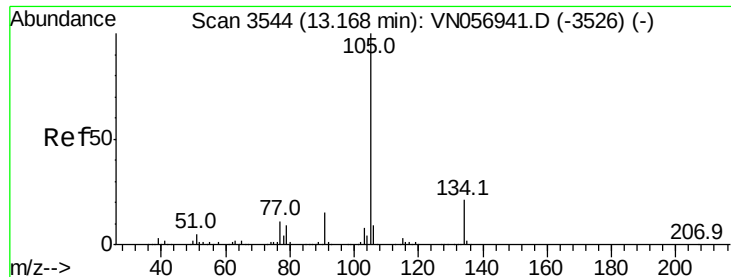
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.688 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	953033		
120	46.8	23.2	69.6	





#85

sec-Butylbenzene

Concen: 48.791 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1110561

Ion Ratio Lower Upper

105 100

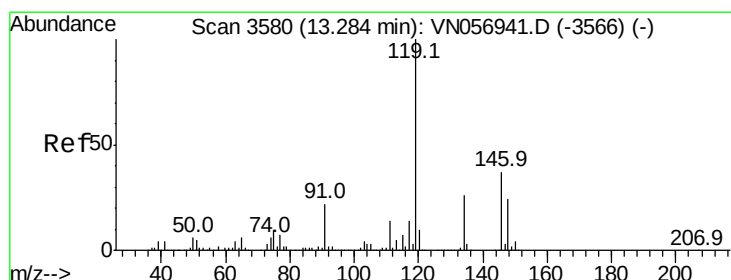
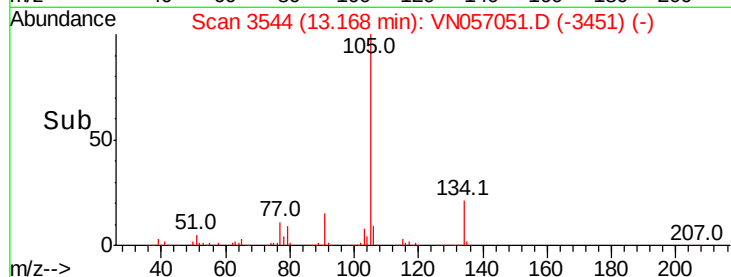
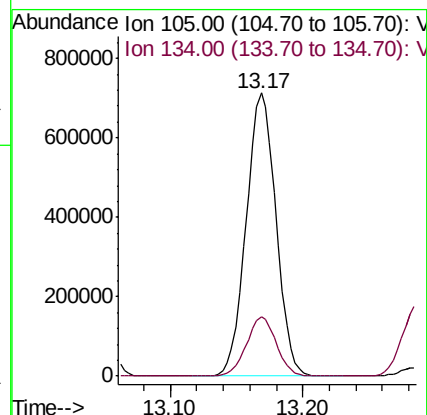
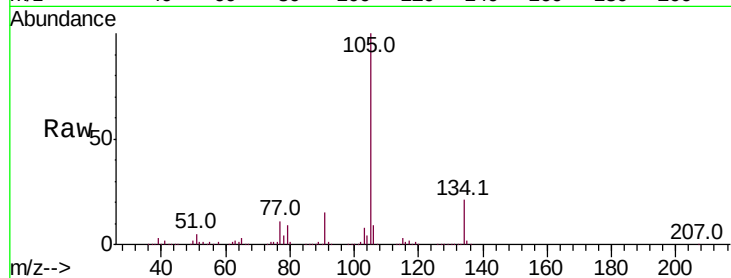
134 20.8 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 50.585 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

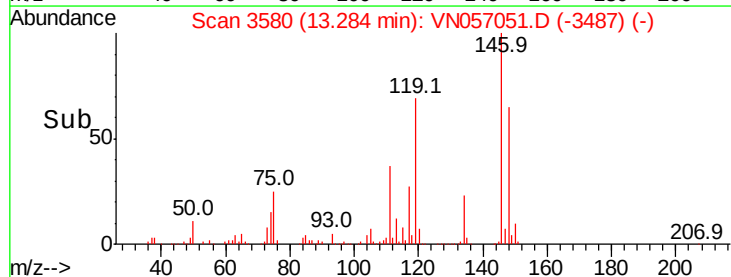
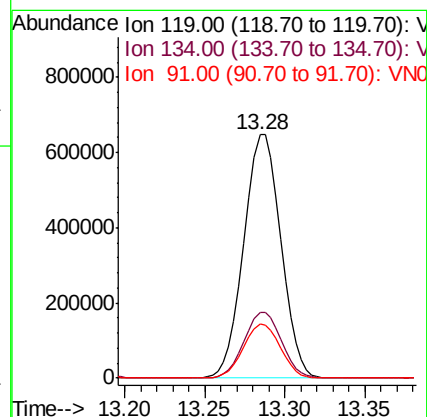
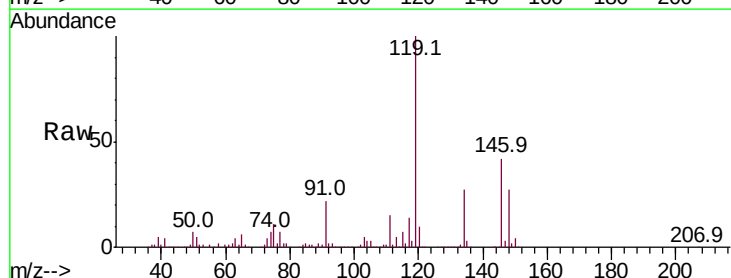
Tgt Ion:119 Resp: 1022233

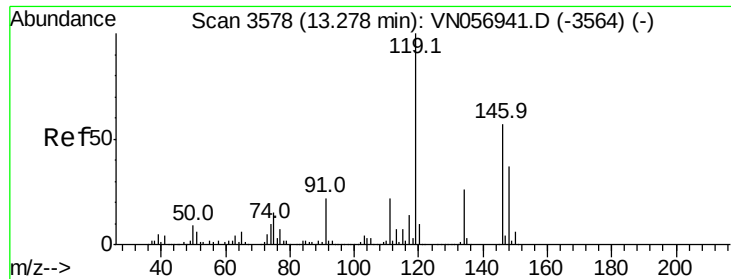
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.0 11.0 33.0





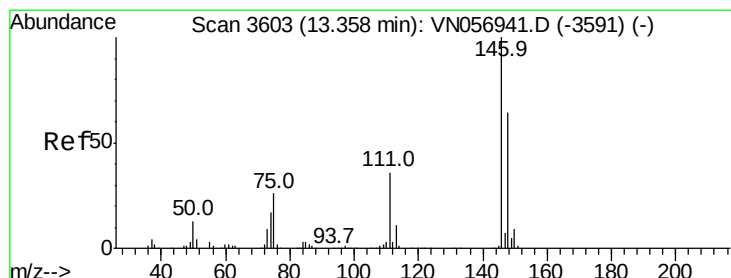
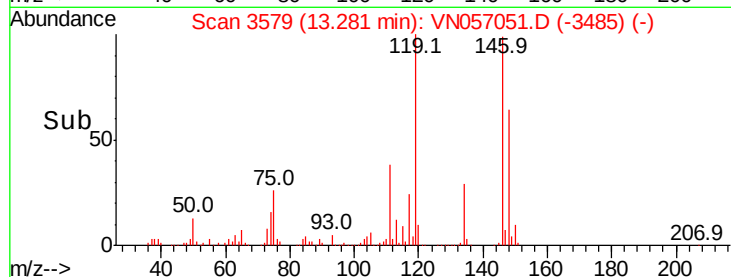
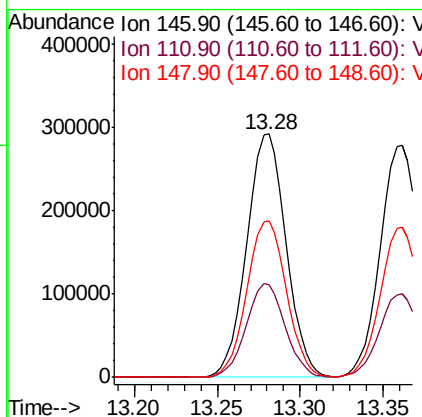
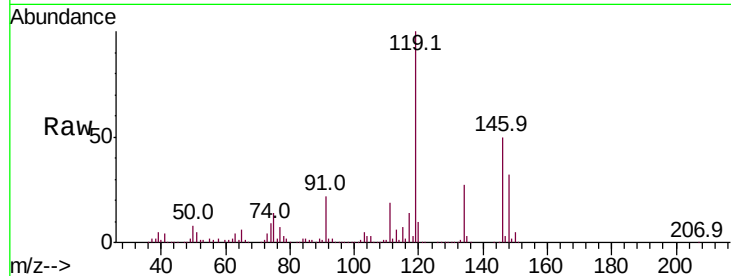
#87
 1,3-Dichlorobenzene
 Concen: 50.247 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.6	32.2	96.6

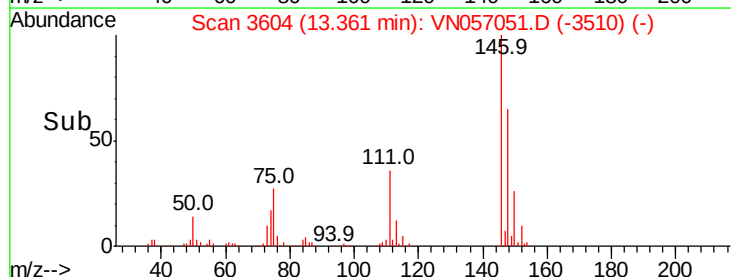
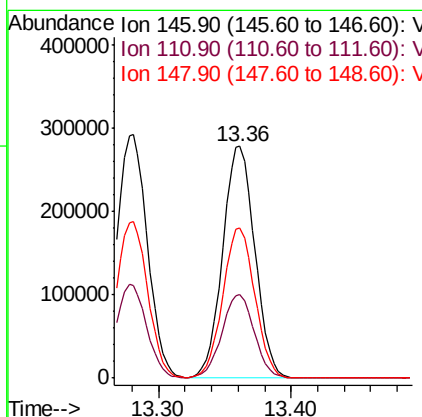
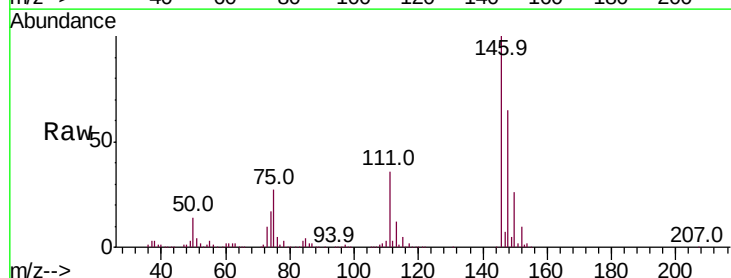
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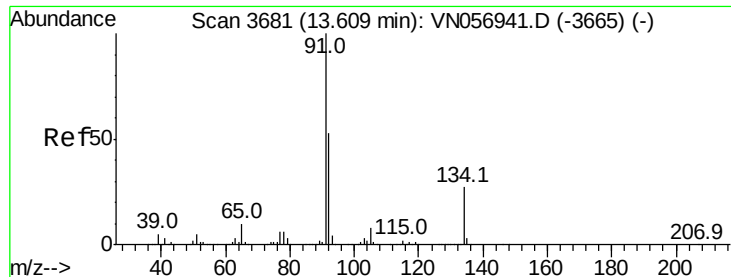
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#88
 1,4-Dichlorobenzene
 Concen: 50.471 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.2
148	64.6	32.3	96.9





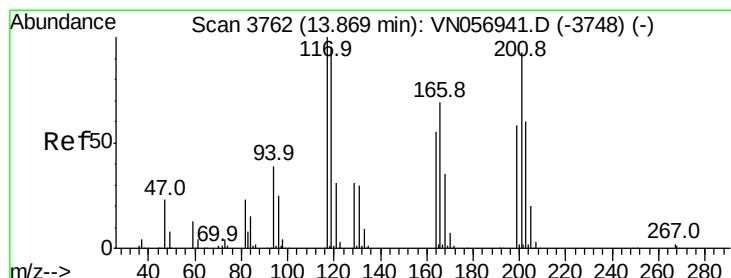
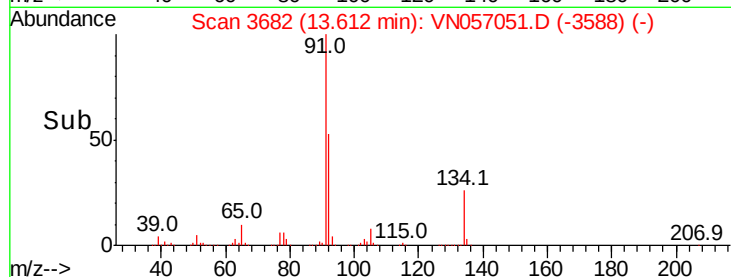
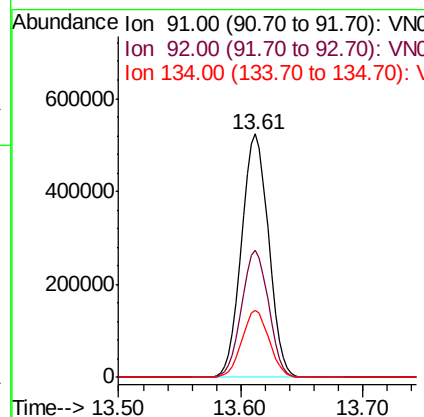
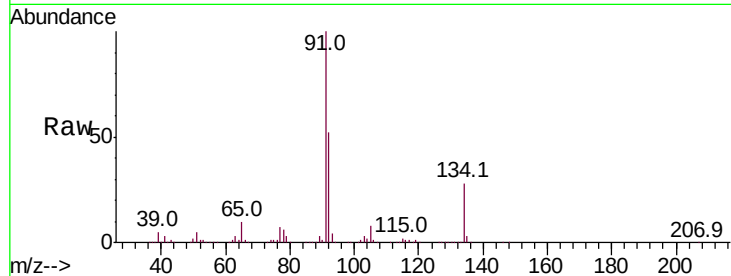
#89
n-Butylbenzene
Concen: 51.609 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	27.4	13.5	40.4

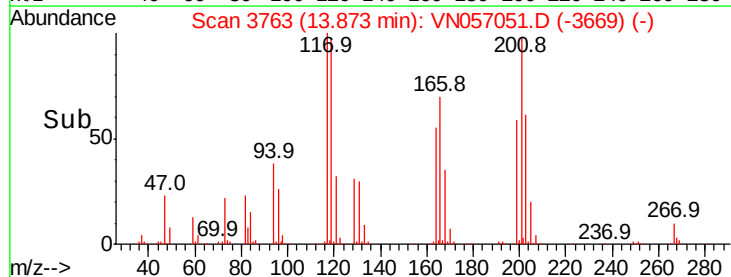
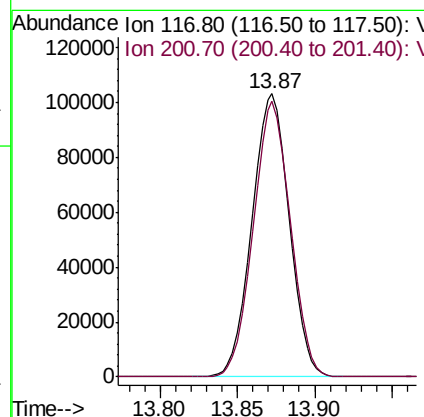
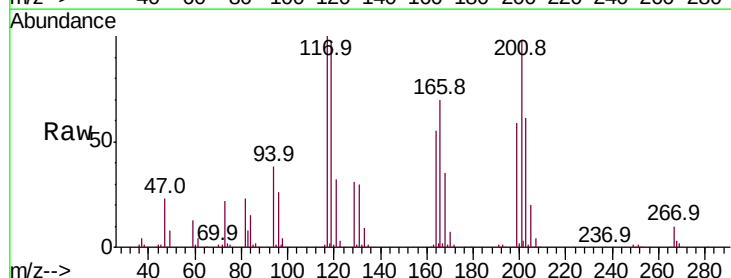
Manual Integrations
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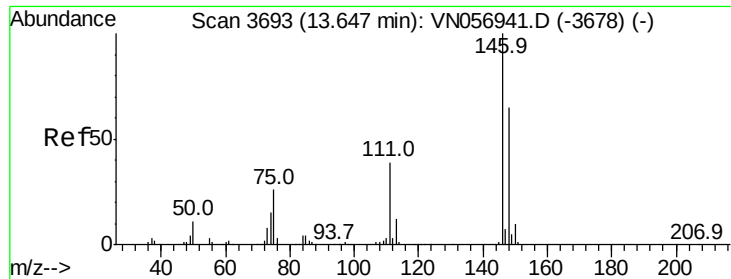
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#90
Hexachloroethane
Concen: 49.730 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057051.D
Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	47.0	141.2





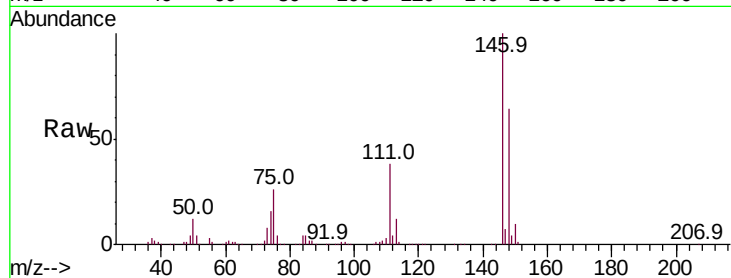
#91
 1,2-Dichlorobenzene
 Concen: 50.050 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.4
148	64.6	32.2	96.6

Manual Integrations
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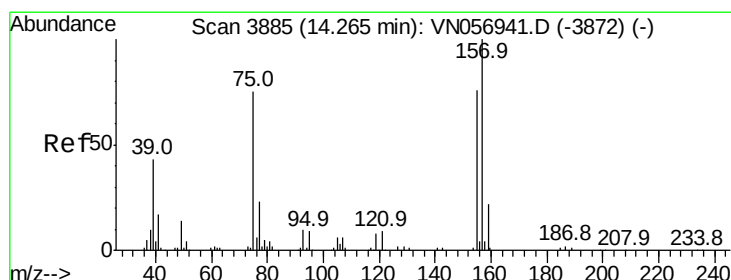
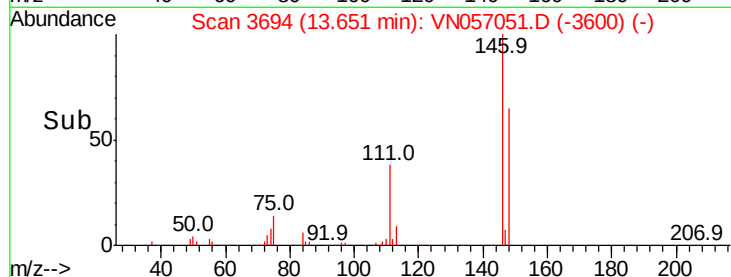
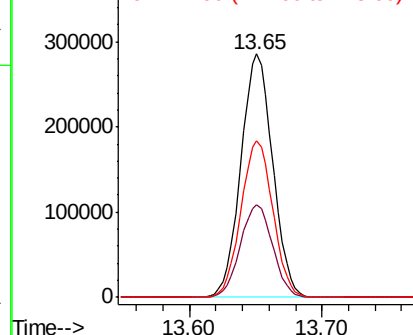


Abundance

Ion 145.90 (145.60 to 146.60): V

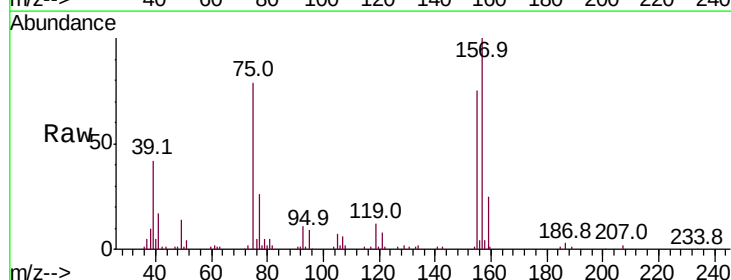
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.977 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	50.2	150.6
157	125.8	65.1	195.4

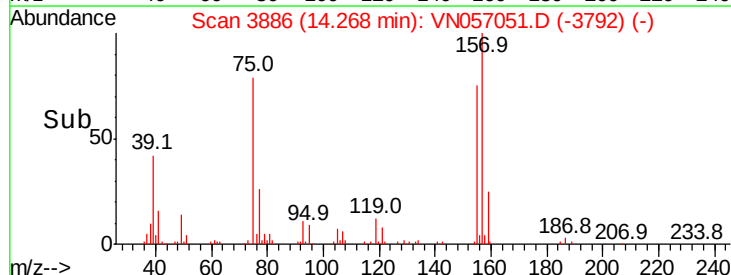
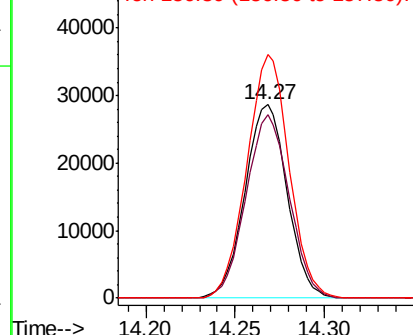


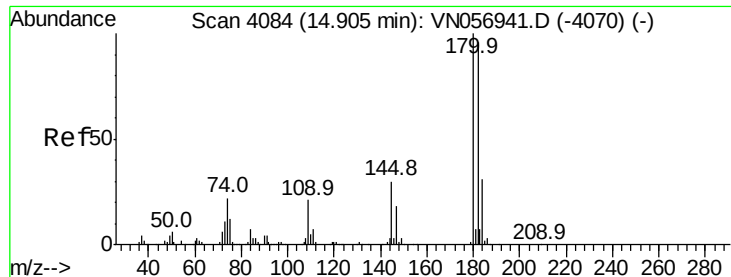
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





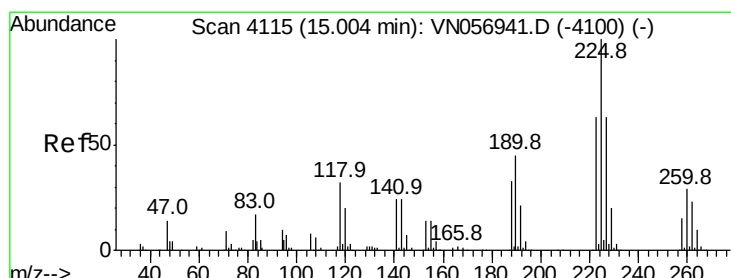
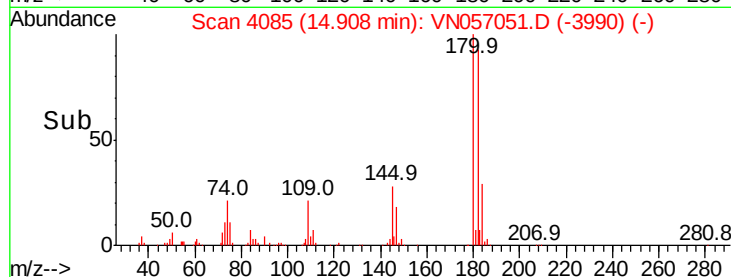
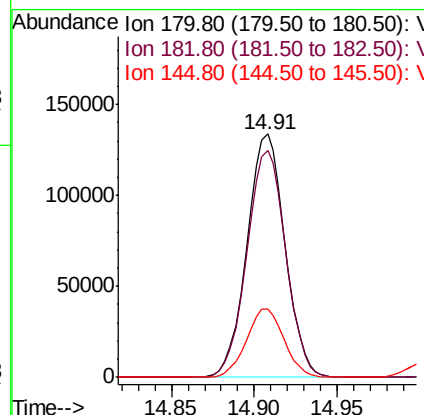
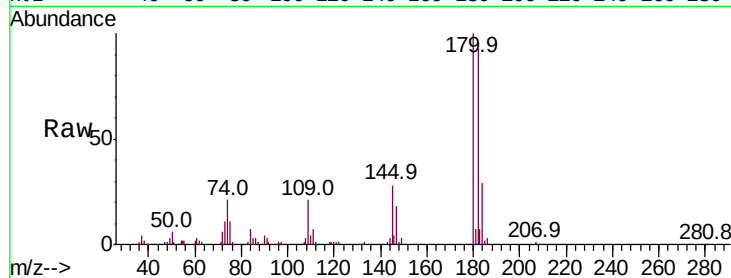
#93
 1,2,4-Trichlorobenzene
 Concen: 43.836 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212873		
182	94.8	47.6	142.8	
145	28.0	14.2	42.8	

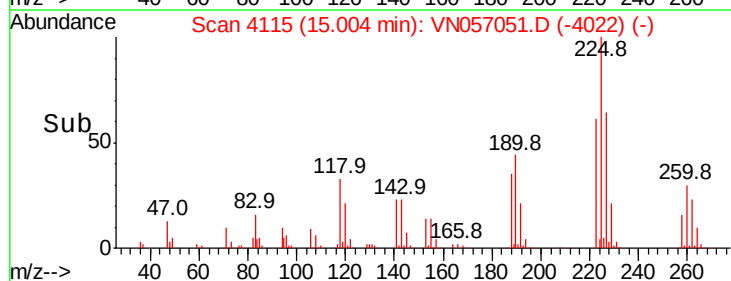
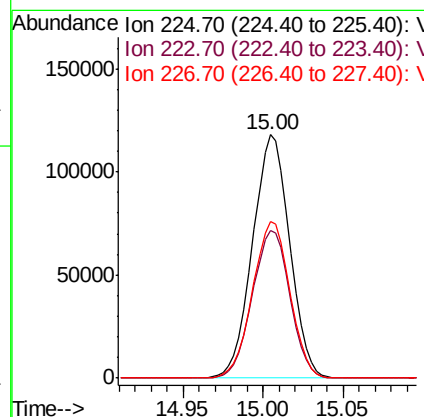
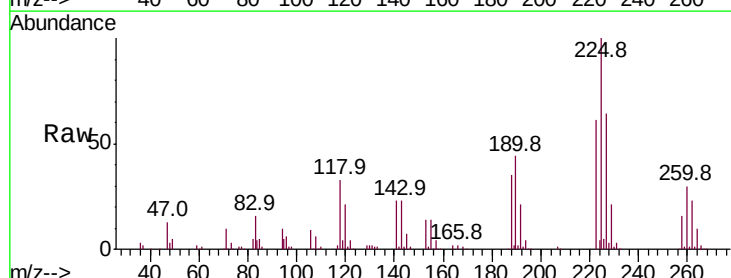
Manual Integrations
 APPROVED

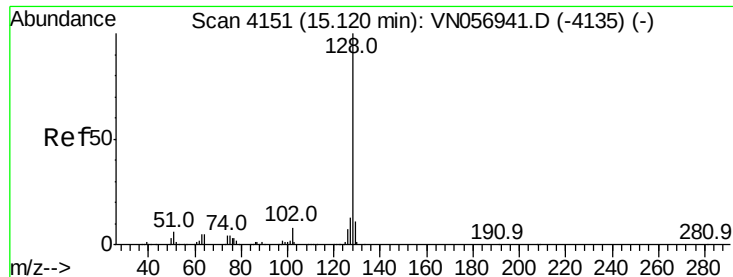
MMDadoda
 8/6/2019 2:16:39 PM



#94
 Hexachlorobutadiene
 Concen: 56.979 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057051.D
 Acq: 2 Aug 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187345		
223	61.3	30.8	92.4	
227	64.5	31.1	93.5	





#95

Naphthalene

Concen: 43.265 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Instrument :

MSVOA_N

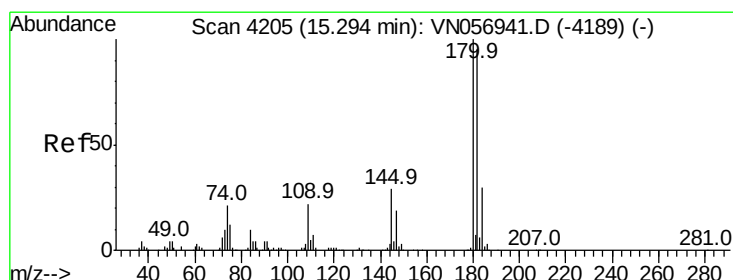
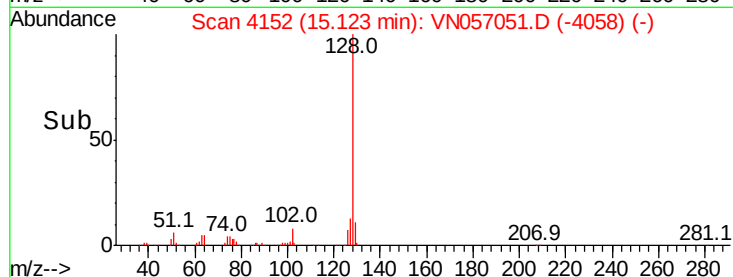
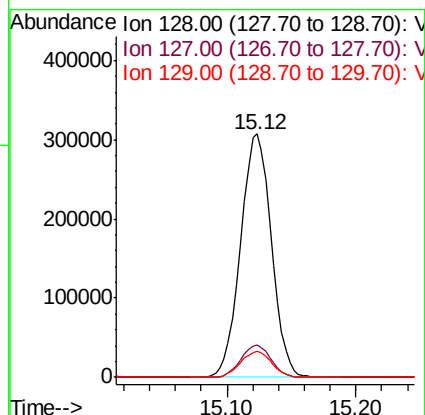
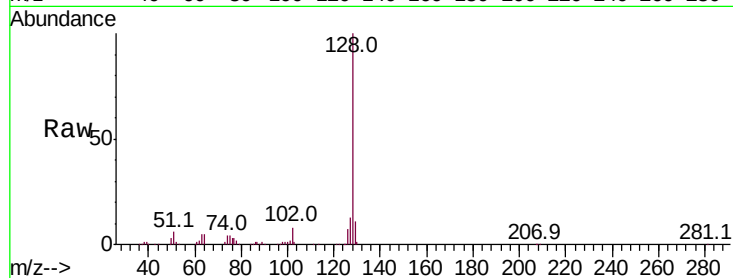
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	510391
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/6/2019 2:16:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.454 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057051.D

Acq: 2 Aug 2019 8:54

Tgt Ion:	180	Resp:	234222
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.0	144.2
145	29.2	15.0	45.0

