

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053432.D
 Acq On : 16 Jan 2019 18:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:27 AM

Quant Time: Jan 17 04:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	790762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1201379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1109530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	564623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412347	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	7.59	113	358660	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.09	98	1487952	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	537581	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314661	49.493	ug/l	100
3) Chloromethane	2.06	50	448524	49.343	ug/l	99
4) Vinyl Chloride	2.19	62	430725	49.157	ug/l	99
5) Bromomethane	2.57	94	290723	48.355	ug/l	97
6) Chloroethane	2.71	64	258986	48.887	ug/l	99
7) Trichlorofluoromethane	3.02	101	571062	49.826	ug/l	99
8) Diethyl Ether	3.41	74	227938	52.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	358268	49.358	ug/l	99
10) Methyl Iodide	3.96	142	561176	50.592	ug/l	99
11) Tert butyl alcohol	4.78	59	134850	352.597	ug/l	100
12) 1,1-Dichloroethene	3.74	96	355232	50.457	ug/l	99
13) Acrolein	3.61	56	189073	253.049	ug/l	99
14) Allyl chloride	4.33	41	550542	48.142	ug/l	96
15) Acrylonitrile	4.99	53	736475	292.608	ug/l	100
16) Acetone	3.82	43	483517	263.676	ug/l	97
17) Carbon Disulfide	4.06	76	1030621	48.408	ug/l	100
18) Methyl Acetate	4.32	43	349727	56.606	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1029616	55.041	ug/l	99
20) Methylene Chloride	4.55	84	416639	49.765	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	381303	50.659	ug/l	99
22) Diisopropyl ether	5.95	45	1262170	52.870	ug/l	100
23) Vinyl Acetate	5.90	43	4131073	281.503	ug/l	100
24) 1,1-Dichloroethane	5.85	63	723180	51.243	ug/l	100
25) 2-Butanone	6.83	43	825912	292.272	ug/l	99
26) 2,2-Dichloropropane	6.83	77	511584	48.011	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	444870	51.687	ug/l	99
28) Bromochloromethane	7.20	49	328168	52.783	ug/l	100
29) Tetrahydrofuran	7.21	42	552200	300.169	ug/l	99
30) Chloroform	7.37	83	714479	51.961	ug/l	100
31) Cyclohexane	7.66	56	661888	48.184	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	599561	51.402	ug/l	100
36) 1,1-Dichloropropene	7.80	75	550015	50.270	ug/l	100
37) Ethyl Acetate	6.93	43	362294	57.555	ug/l	99
38) Carbon Tetrachloride	7.78	117	517008	49.912	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	666373	49.277	ug/l	99
40) Benzene	8.04	78	1673665	50.339	ug/l	99
41) Methacrylonitrile	7.18	41	207754	55.470	ug/l	95
42) 1,2-Dichloroethane	8.13	62	497259	51.337	ug/l	99
43) Isopropyl Acetate	8.16	43	665533	58.800	ug/l	99
44) Trichloroethene	8.84	130	465493	50.486	ug/l	98
45) 1,2-Dichloropropane	9.12	63	447522	50.818	ug/l	100
46) Dibromomethane	9.21	93	264450	52.267	ug/l	99
47) Bromodichloromethane	9.40	83	545778	51.294	ug/l	98
48) Methyl methacrylate	9.20	41	329445	56.372	ug/l	99
49) 1,4-Dioxane	9.20	88	78586	1376.891	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1871205	302.843	ug/l	100
52) Toluene	10.16	92	1057670	51.241	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571104	52.954	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	655877	51.878	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384937	54.092	ug/l	99
56) Ethyl methacrylate	10.43	69	529317	52.312	ug/l	100
57) 1,3-Dichloropropane	10.71	76	658095	53.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1378912	276.975	ug/l	100
59) 2-Hexanone	10.75	43	1302168	300.215	ug/l	100
60) Dibromochloromethane	10.90	129	433539	53.713	ug/l	99
61) 1,2-Dibromoethane	11.01	107	389309	54.092	ug/l	99
64) Tetrachloroethene	10.63	164	516579	49.405	ug/l	99
65) Chlorobenzene	11.43	112	1191296	50.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419141	51.302	ug/l	99
67) Ethyl Benzene	11.51	91	2048292	51.176	ug/l	100
68) m/p-Xylenes	11.62	106	1568031	103.765	ug/l	100
69) o-Xylene	11.95	106	762187	51.907	ug/l	100
70) Styrene	11.97	104	1274467	53.479	ug/l	100
71) Bromoform	12.13	173	314078	55.840	ug/l #	100
73) Isopropylbenzene	12.25	105	2044567	49.448	ug/l	99
74) N-amyl acetate	12.07	43	617852	56.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	457134	52.715	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	412795m	55.478	ug/l	
77) Bromobenzene	12.53	156	540611	49.619	ug/l	99
78) n-propylbenzene	12.59	91	2356732	49.655	ug/l	100
79) 2-Chlorotoluene	12.68	91	1374822	48.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1691758	50.288	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145968	49.665	ug/l	99
82) 4-Chlorotoluene	12.77	91	1424327	49.646	ug/l	99
83) tert-Butylbenzene	12.99	119	1477193	49.715	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1728518	50.957	ug/l	99
85) sec-Butylbenzene	13.17	105	2033832	49.910	ug/l	100
86) p-Isopropyltoluene	13.29	119	1786961	50.504	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	951350	49.640	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	952494	49.546	ug/l	99
89) n-Butylbenzene	13.62	91	1508230	50.007	ug/l	99
90) Hexachloroethane	13.88	117	281397	50.710	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	920943	52.232	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71574	65.094	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	427835	54.718	ug/l	100
94) Hexachlorobutadiene	15.01	225	292334	53.150	ug/l	100
95) Naphthalene	15.13	128	784112	56.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	321005	55.892	ug/l	99

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

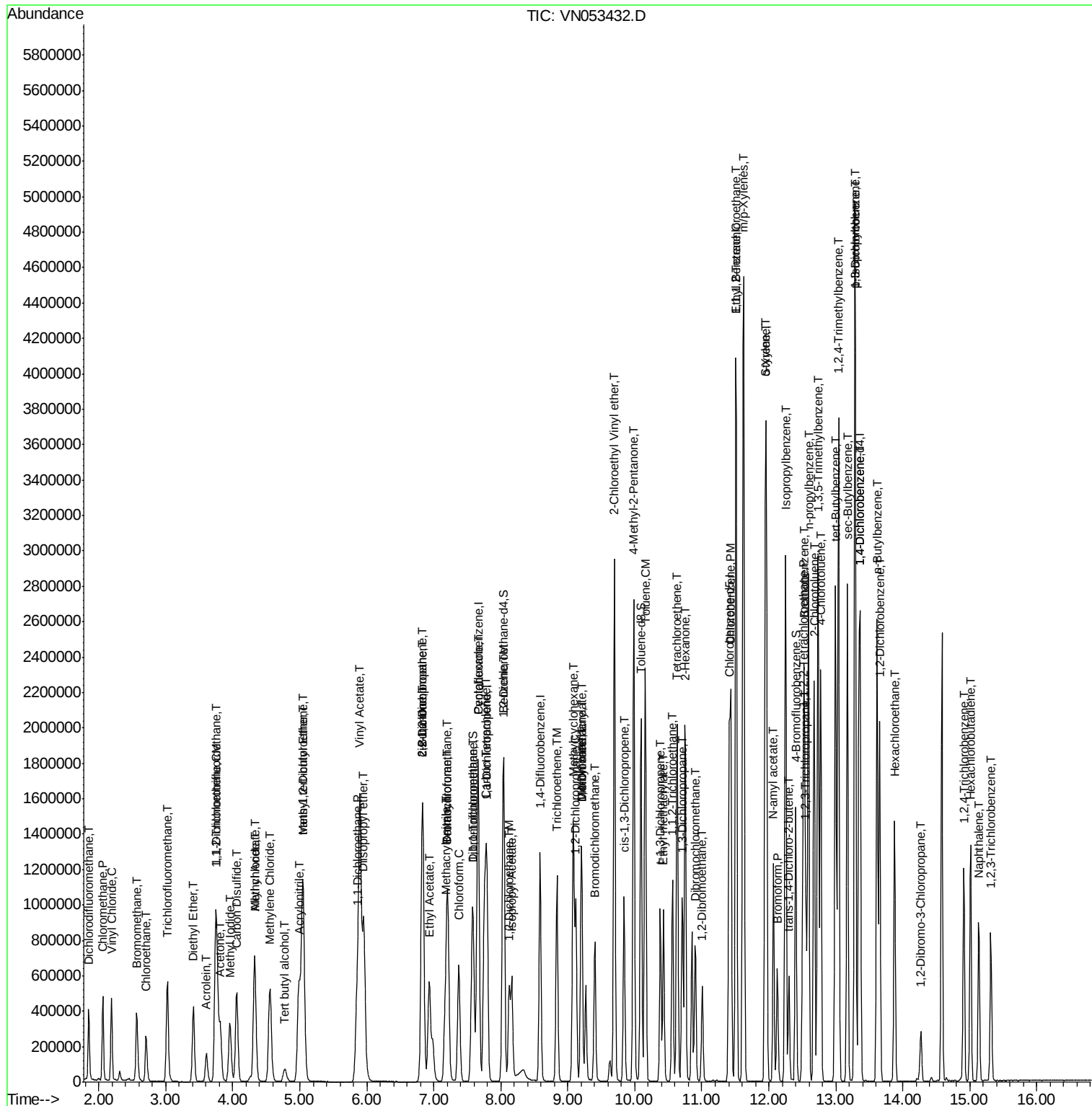
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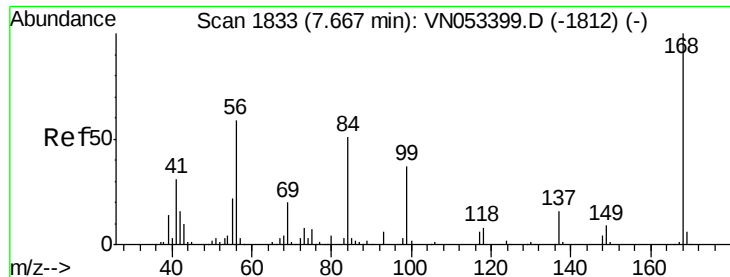
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 790762

Ion Ratio Lower Upper

168 100

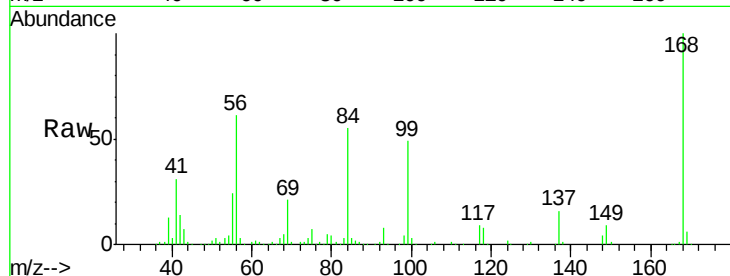
99 49.2 39.1 58.7

Manual Integrations

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1/17/2019 9:41:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

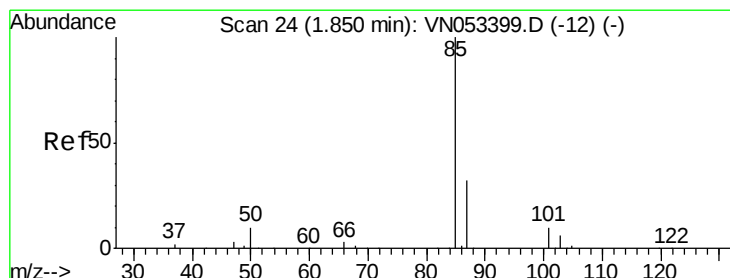
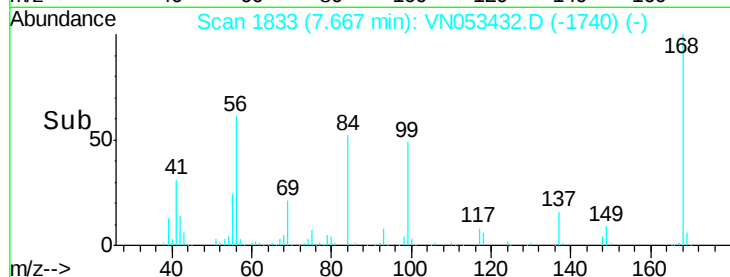
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.493 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053432.D

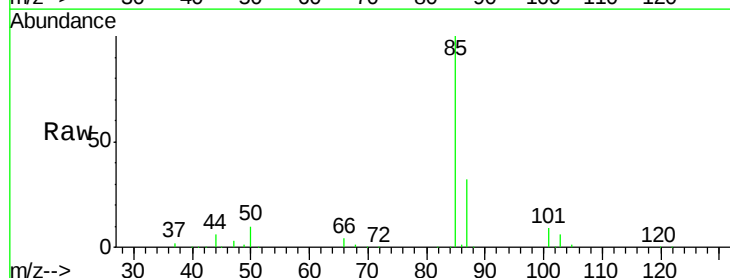
Acq: 16 Jan 2019 18:22

Tgt Ion: 85 Resp: 314661

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

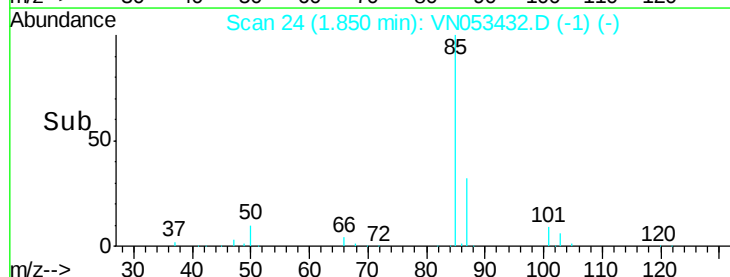
150000

100000

50000

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Time-->





#3

Chloromethane

Concen: 49.343 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 448524

Ion Ratio Lower Upper

50 100

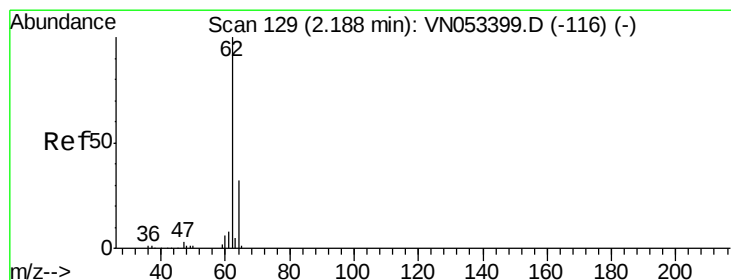
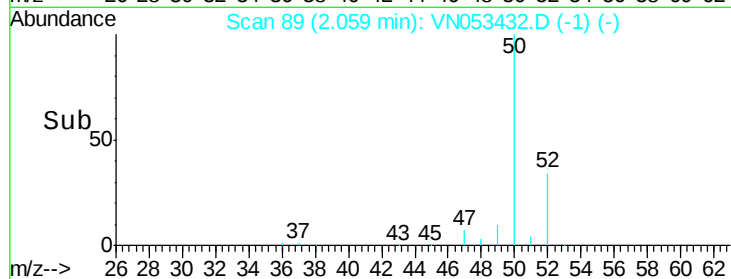
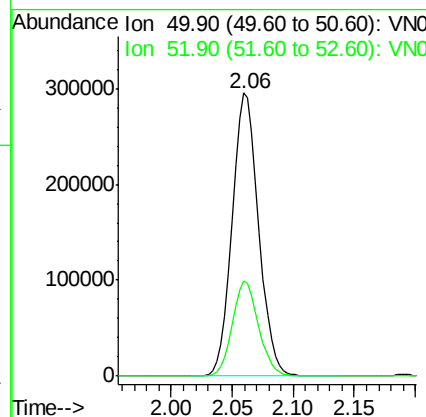
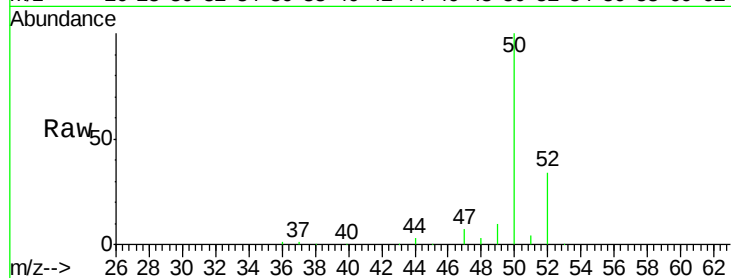
52 33.6 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.157 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053432.D

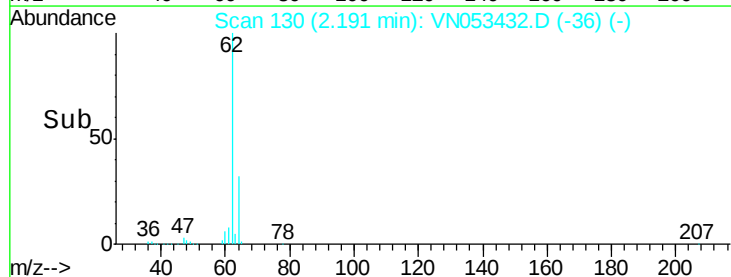
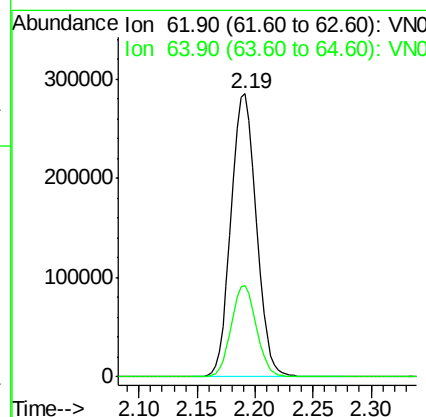
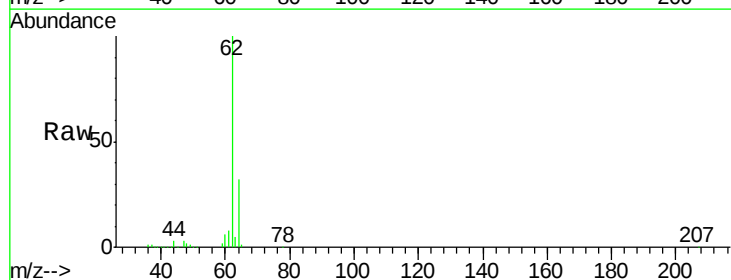
Acq: 16 Jan 2019 18:22

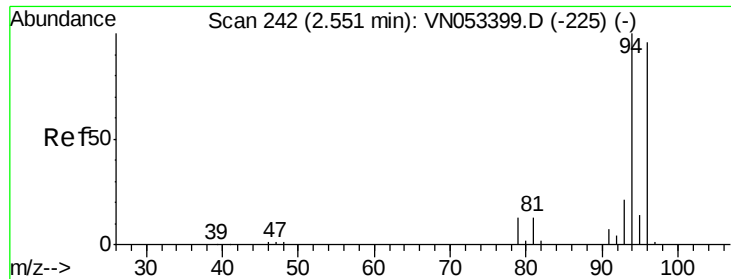
Tgt Ion: 62 Resp: 430725

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 48.355 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 290723

Ion Ratio Lower Upper

94 100

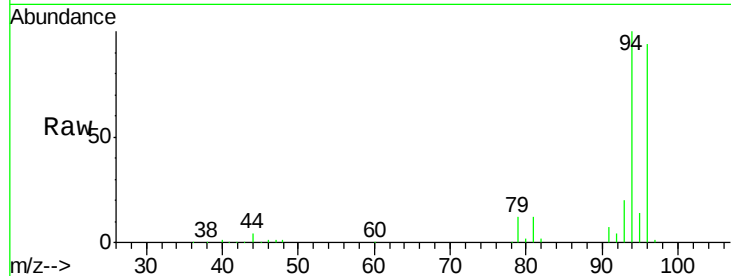
96 93.5 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

150000

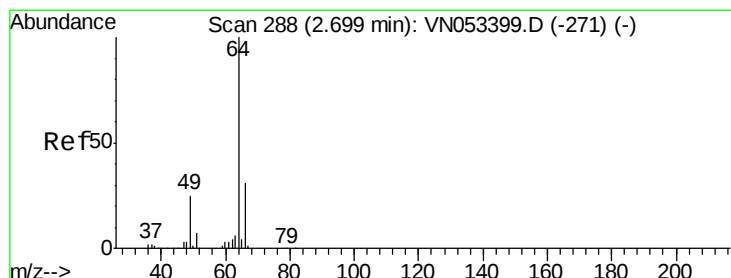
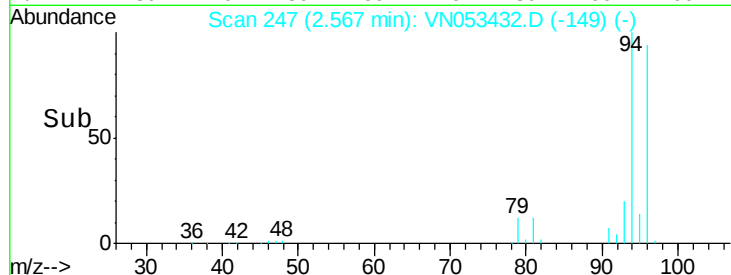
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50000

0

2.57

Time-->



#6

Chloroethane

Concen: 48.887 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053432.D

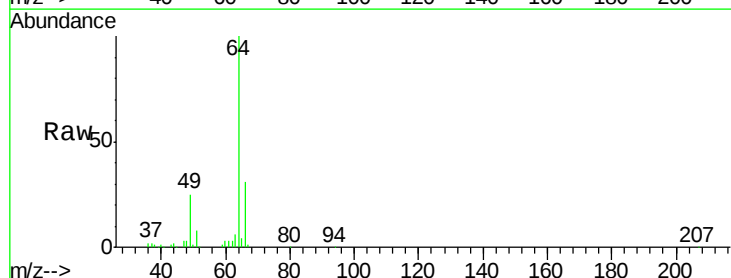
Acq: 16 Jan 2019 18:22

Tgt Ion: 64 Resp: 258986

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

150000

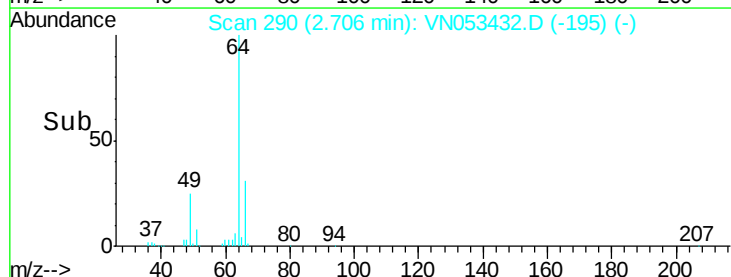
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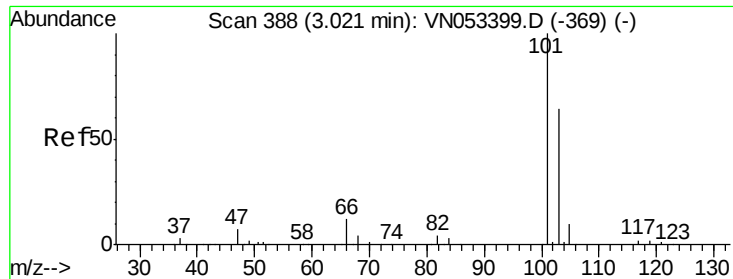
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0

2.71

Time-->





#7

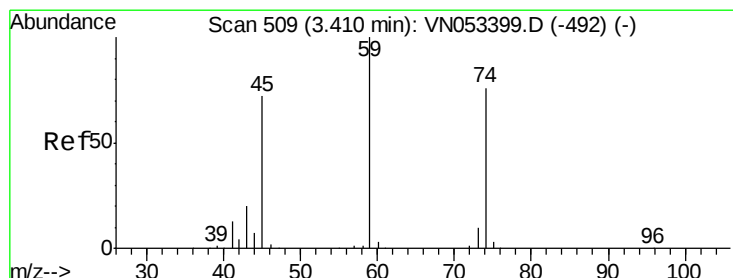
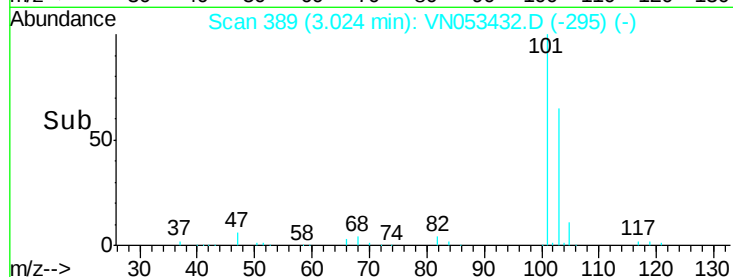
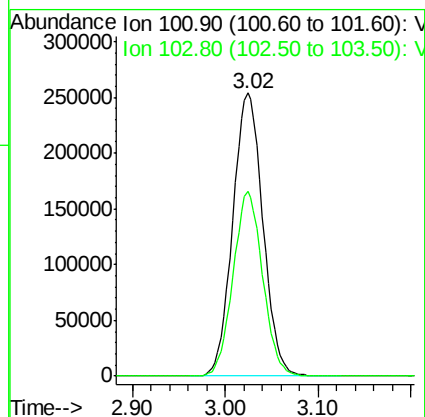
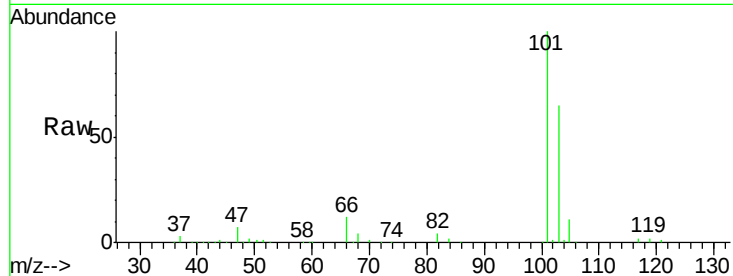
Trichlorofluoromethane
Concen: 49.826 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 571062
Ion Ratio Lower Upper
101 100
103 65.3 51.6 77.4

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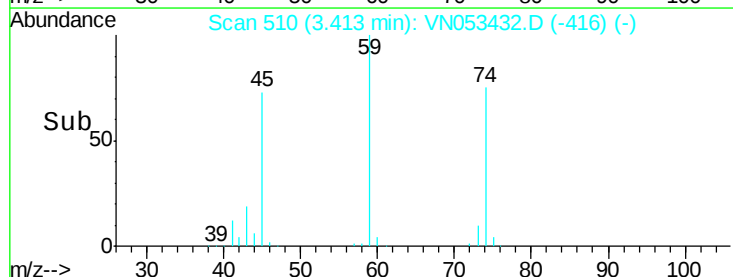
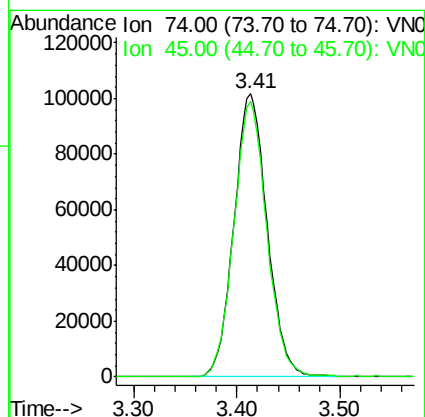
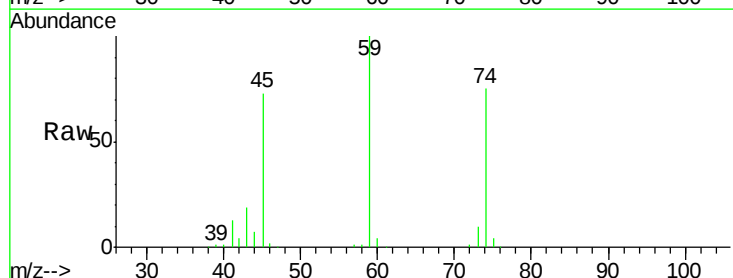
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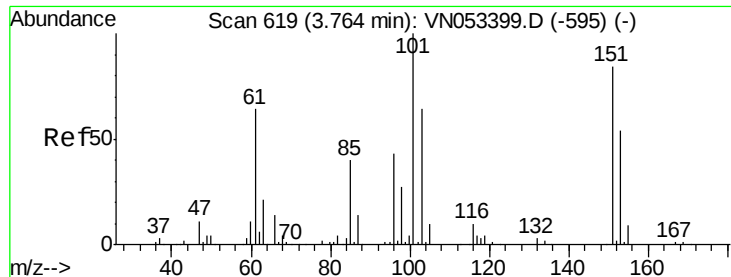


#8

Diethyl Ether
Concen: 52.952 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 74 Resp: 227938
Ion Ratio Lower Upper
74 100
45 96.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.358 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

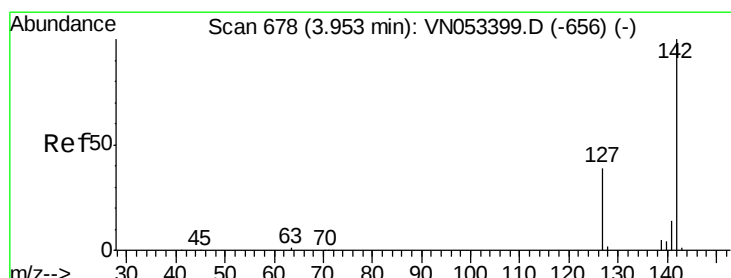
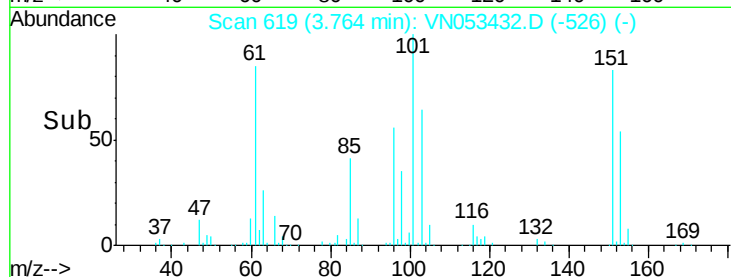
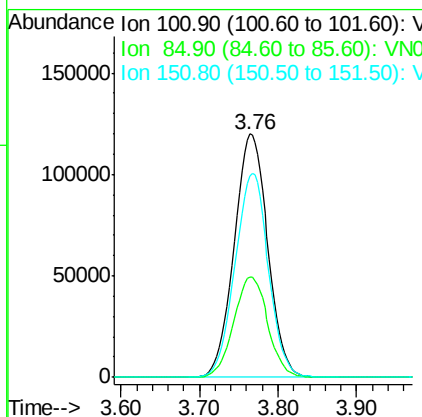
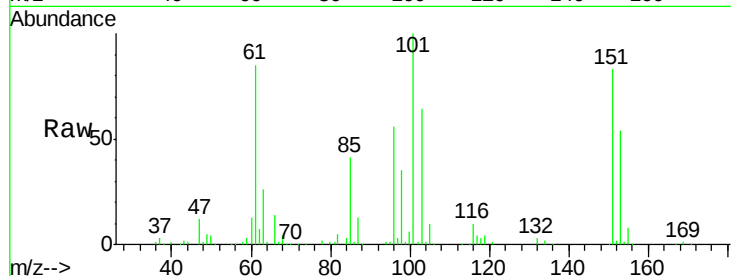
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	358268
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.8	49.2
151	83.7	66.9	100.3

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#10

Methyl Iodide

Concen: 50.592 ug/l

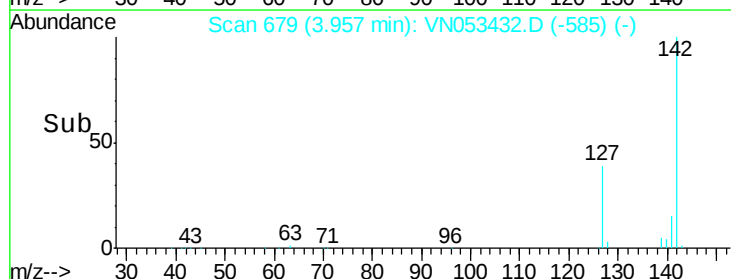
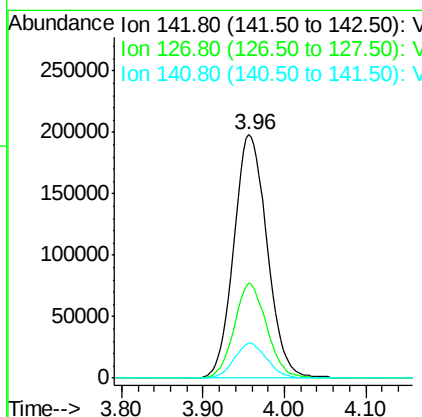
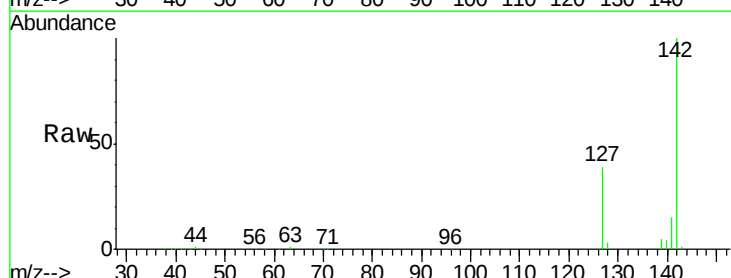
RT: 3.96 min Scan# 679

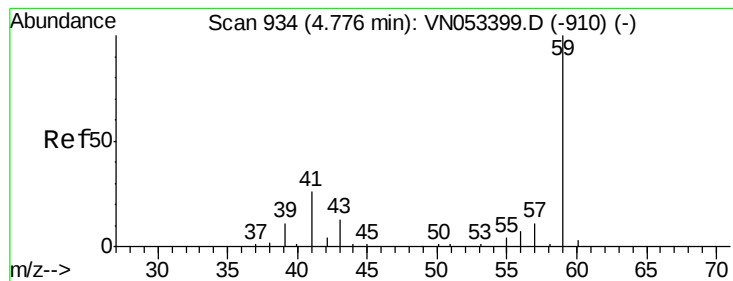
Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion:	142	Resp:	561176
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	14.2	11.1	16.7





#11

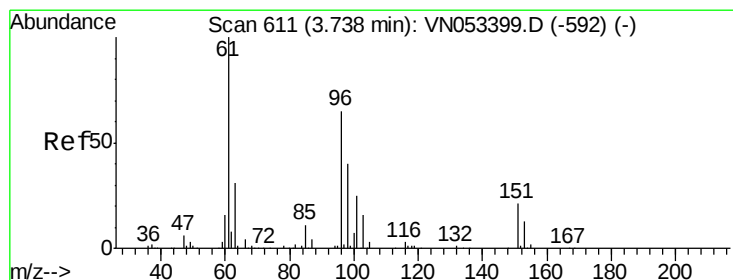
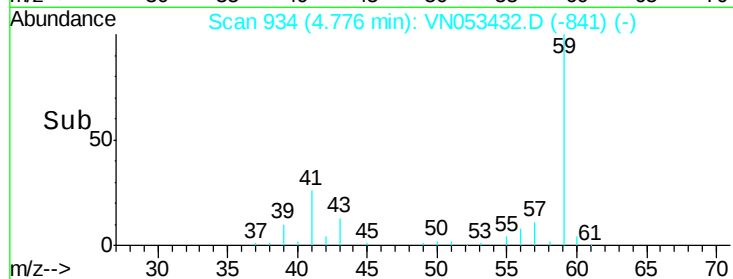
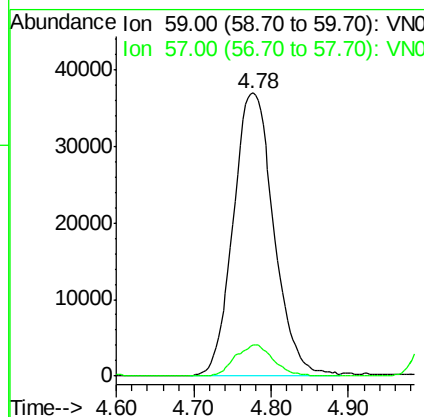
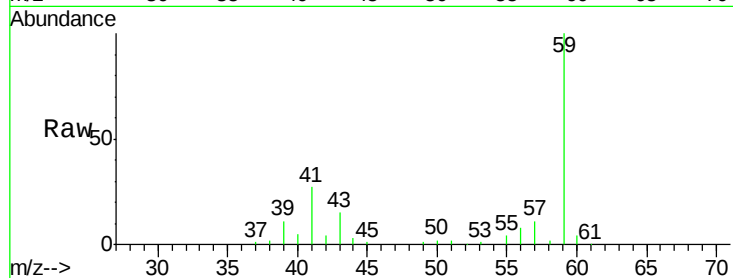
Tert butyl alcohol
 Concen: 352.597 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.4	Resp	134850	Lower	Upper
59	100								
57		10.4				8.2		12.4	

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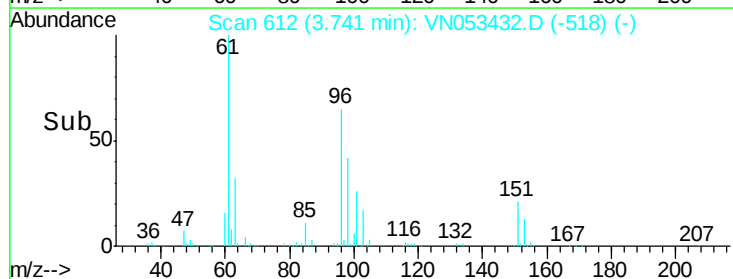
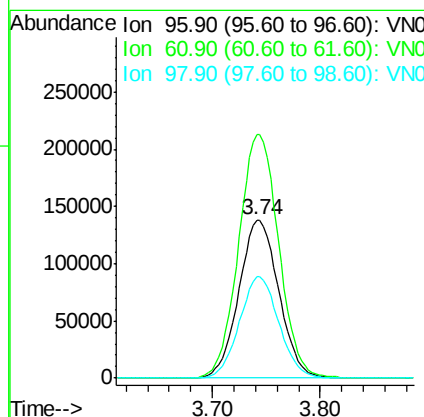
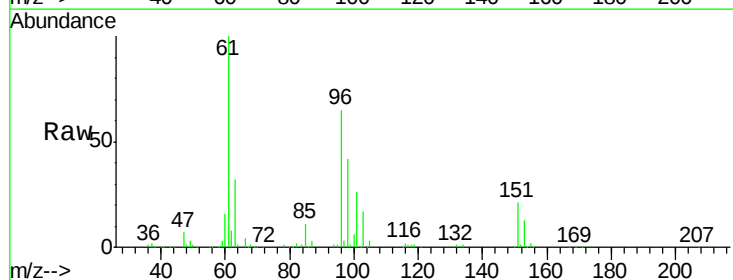
MMDadoda
 1/17/2019 9:41:27 AM

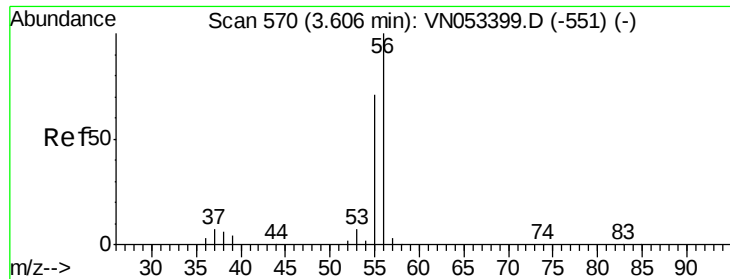


#12

1,1-Dichloroethene
 Concen: 50.457 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	96	61	98	Ratio	100	153.5	63.8	Resp	355232	Lower	Upper
96	100										
61		153.5				122.9		184.3			
98		63.8				49.4		74.0			





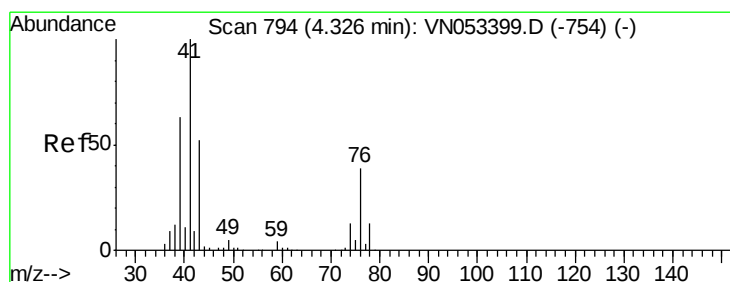
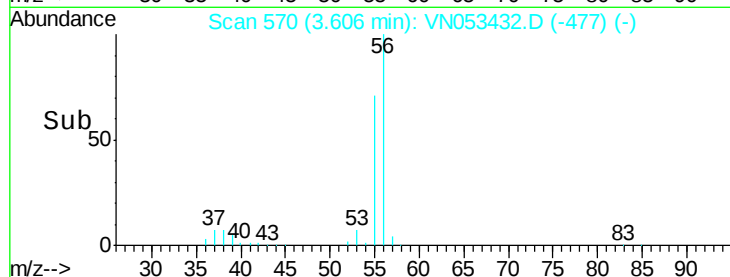
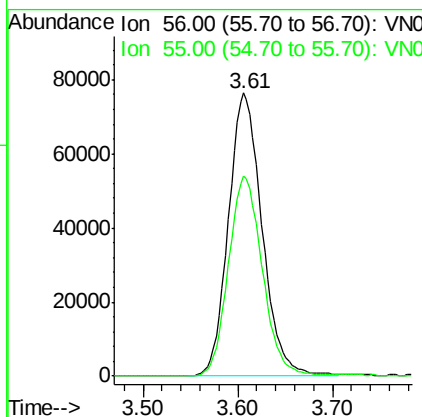
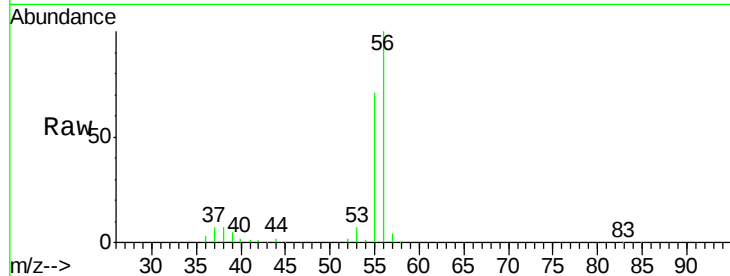
#13
Acrolein
Concen: 253.049 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.1	57.4	86.0	

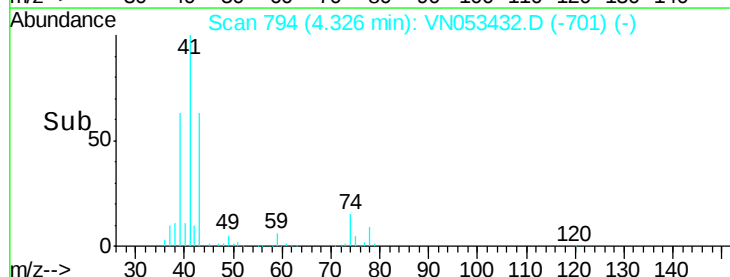
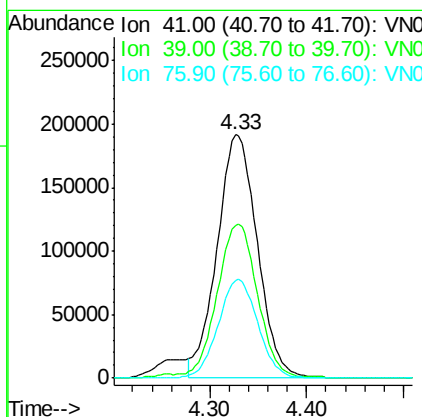
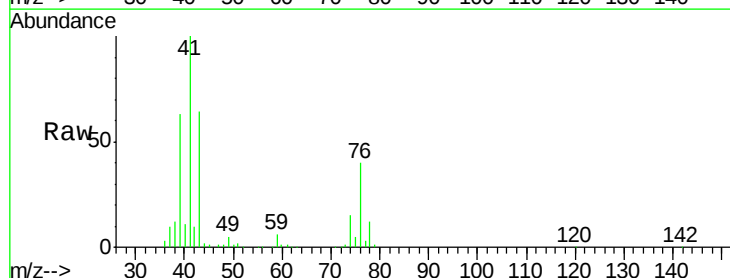
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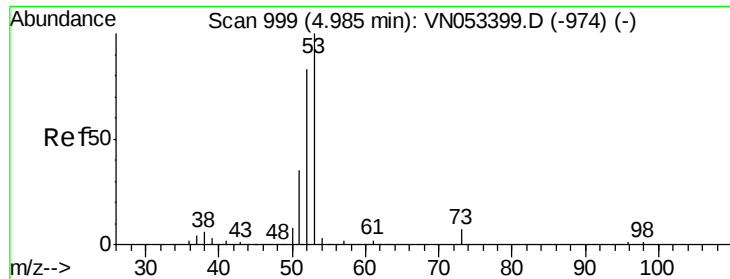
MMDadoda
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#14
Allyl chloride
Concen: 48.142 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.4	48.9	73.3	
76	39.9	29.4	44.2	





#15

Acrylonitrile

Concen: 292.608 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

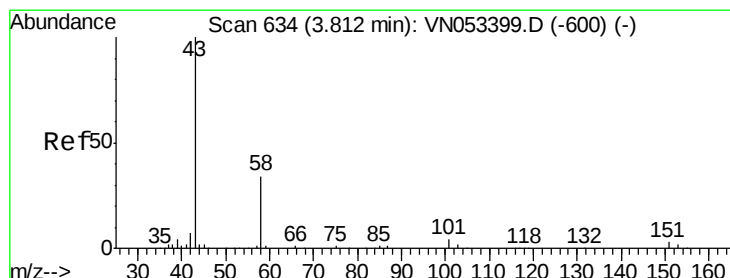
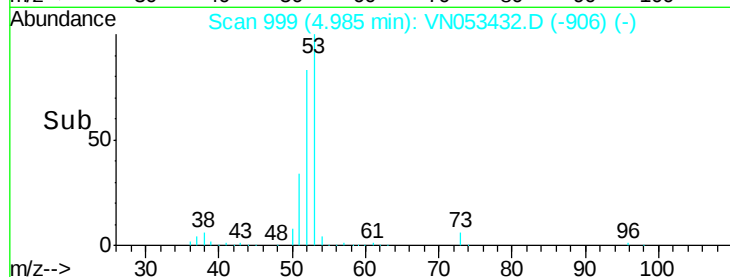
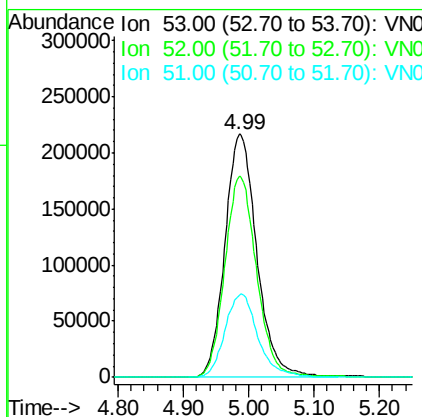
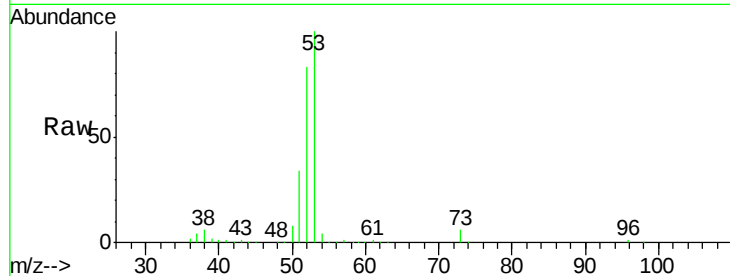
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	736475
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.6	28.3	42.5

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#16

Acetone

Concen: 263.676 ug/l

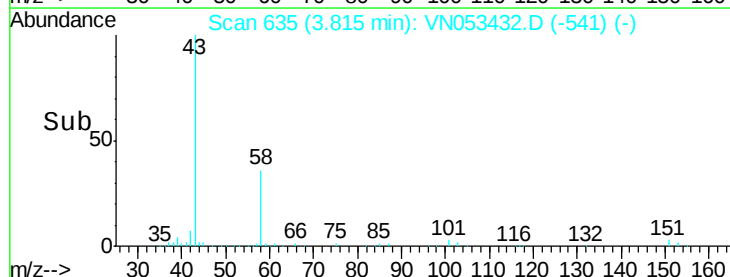
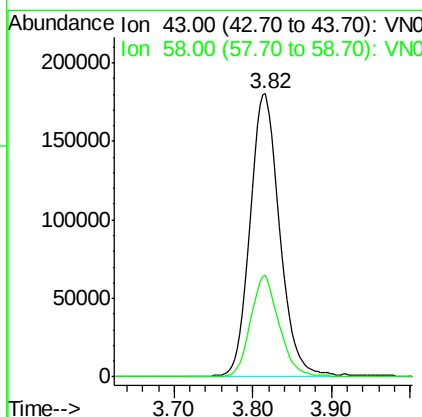
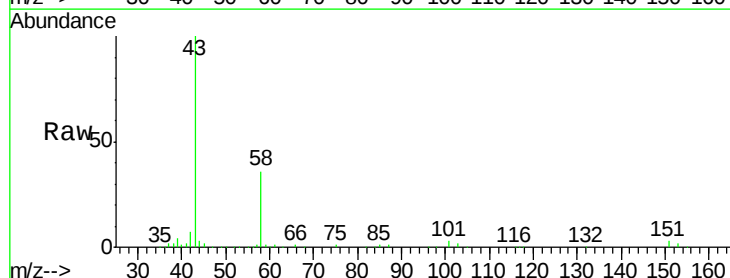
RT: 3.82 min Scan# 635

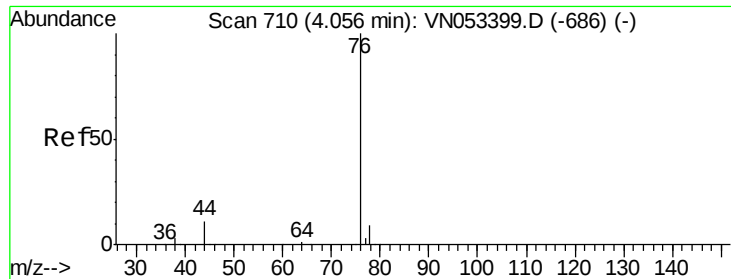
Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion:	43	Resp:	483517
Ion	Ratio	Lower	Upper
43	100		
58	35.8	27.1	40.7





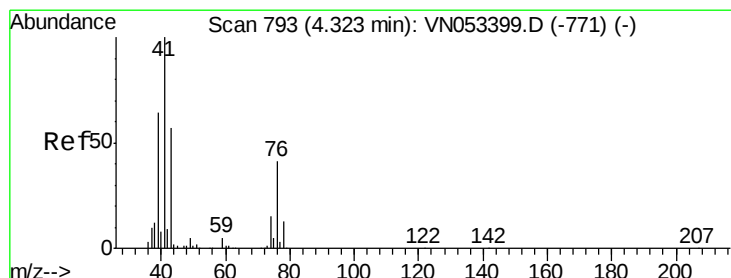
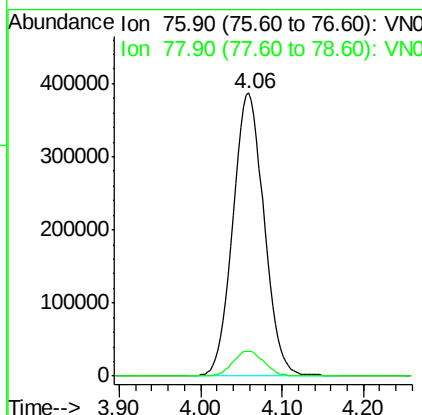
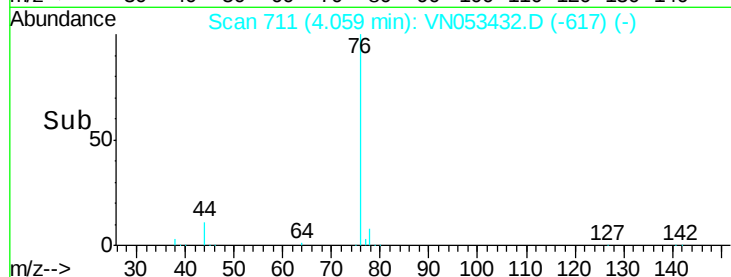
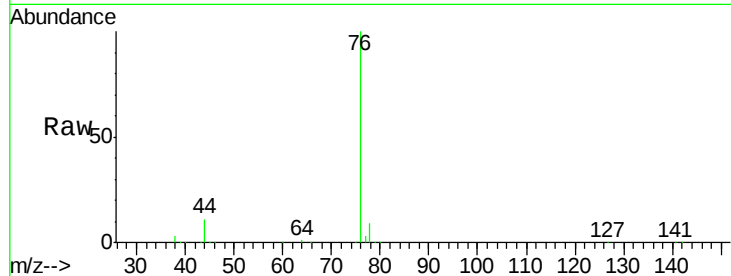
#17
Carbon Disulfide
Concen: 48.408 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1030621
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

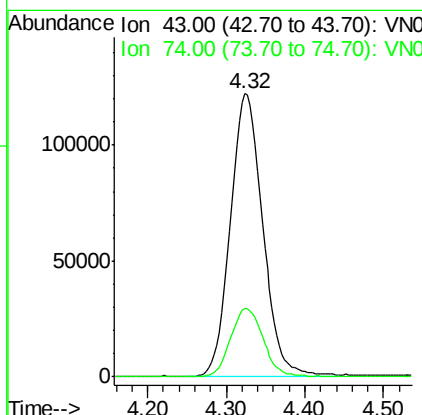
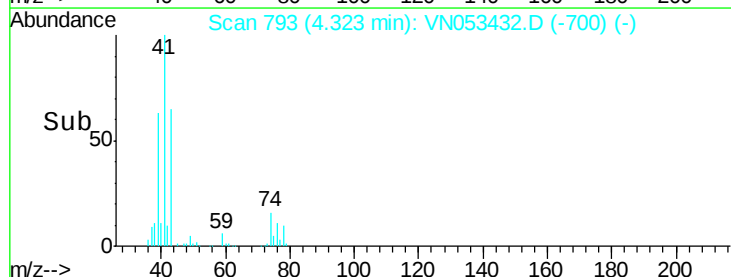
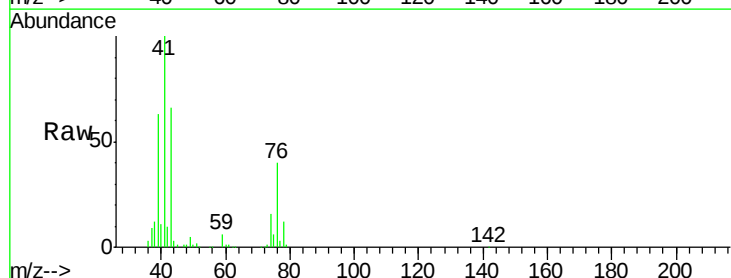
Manual Integrations
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#18
Methyl Acetate
Concen: 56.606 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 43 Resp: 349727
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2





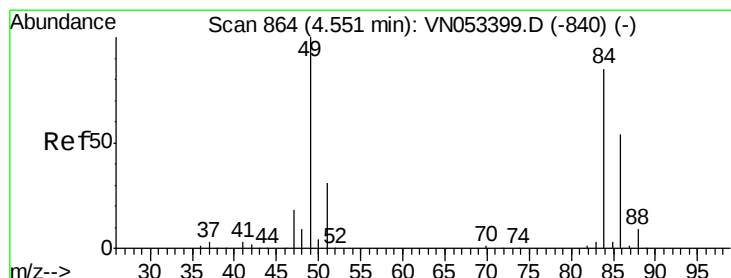
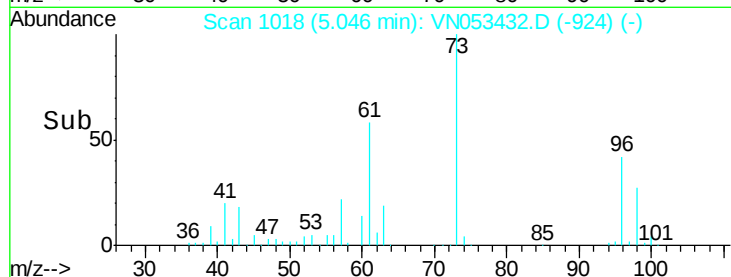
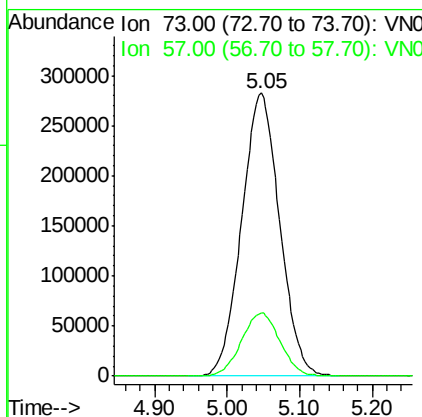
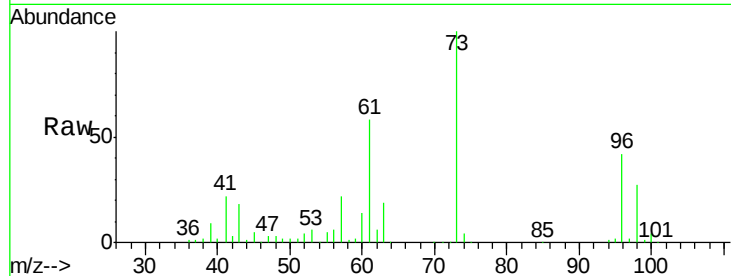
#19
Methvl tert-butvl Ether
Concen: 55.041 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1029616
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

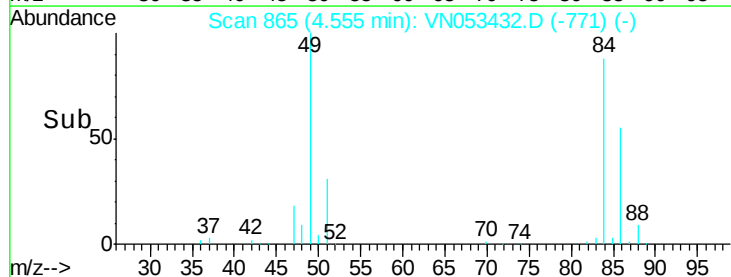
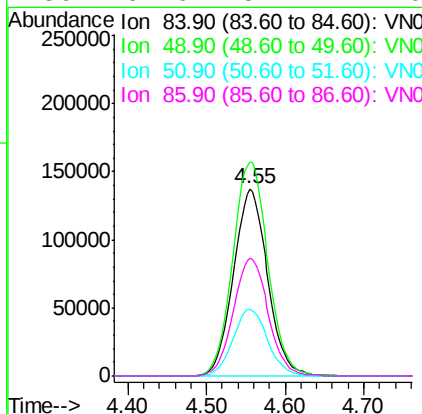
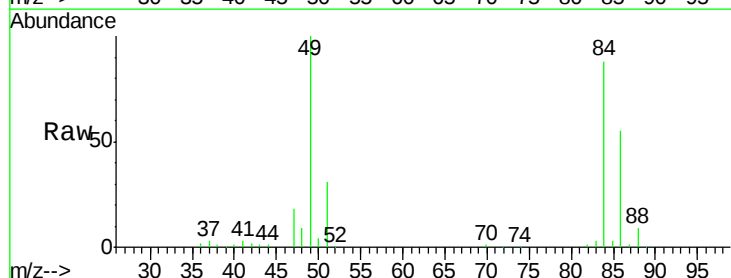
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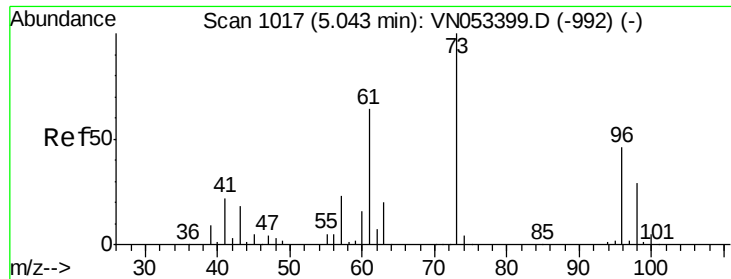
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#20
Methylene Chloride
Concen: 49.765 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 84 Resp: 416639
Ion Ratio Lower Upper
84 100
49 114.0 94.3 141.5
51 35.3 29.4 44.2
86 62.6 51.4 77.0





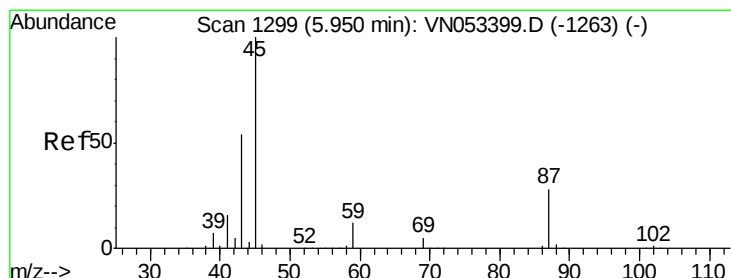
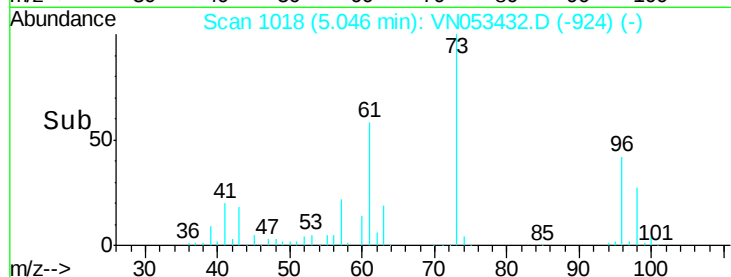
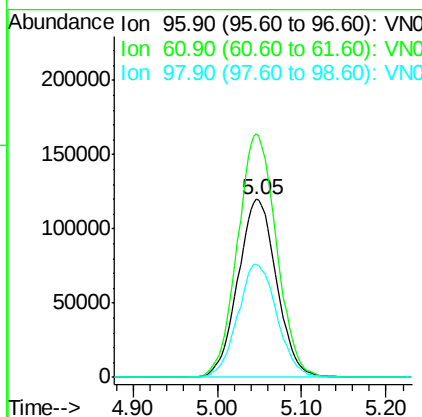
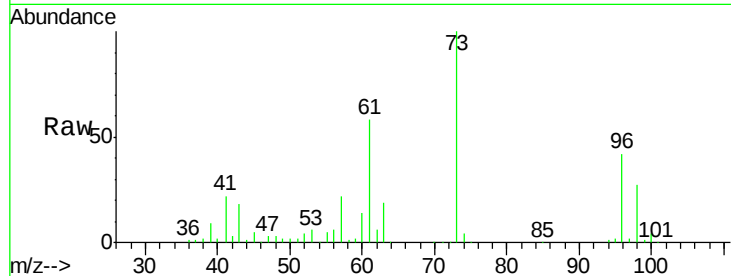
#21
trans-1,2-Dichloroethene
Concen: 50.659 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	110.1	165.1
98	63.9	50.0	75.0

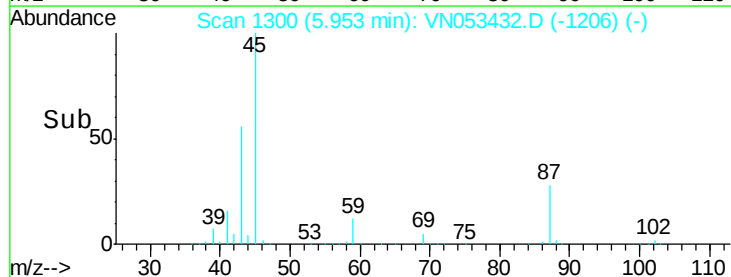
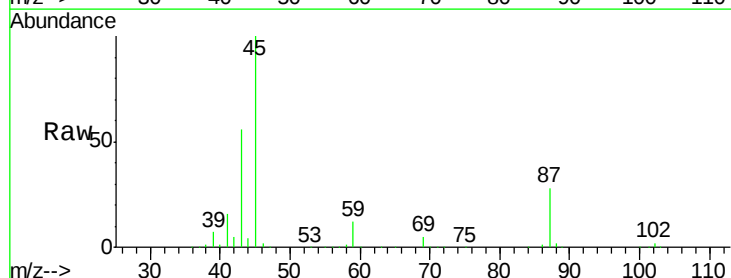
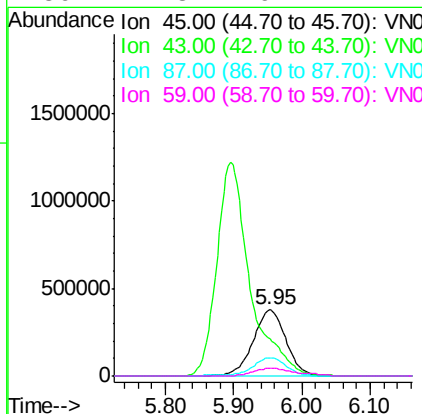
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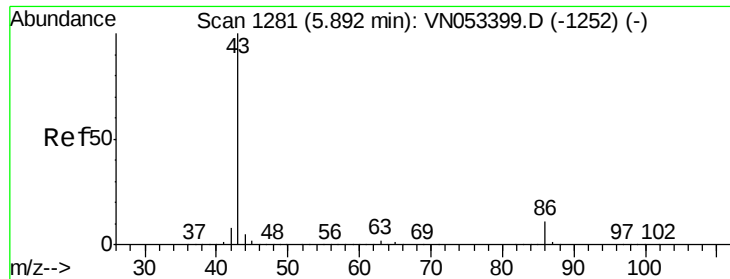
MMDadoda
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#22
Diisopropyl ether
Concen: 52.870 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.2	66.4
87	27.9	22.7	34.1
59	11.8	9.4	14.2





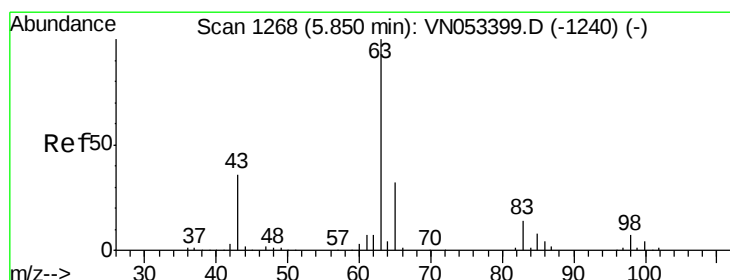
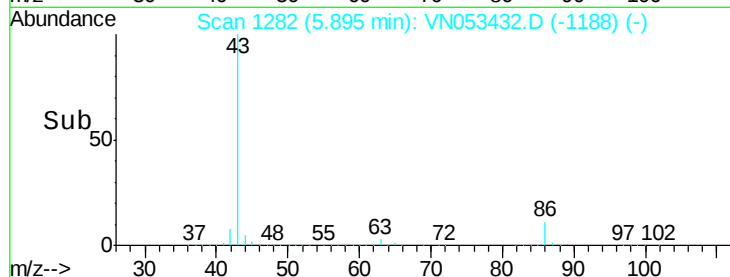
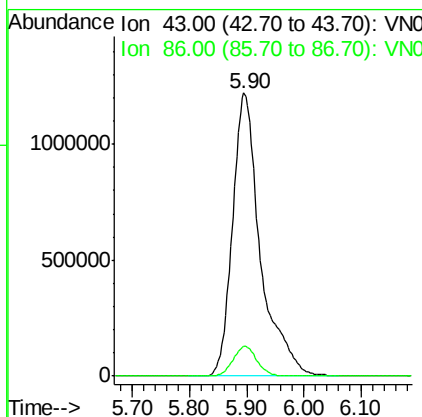
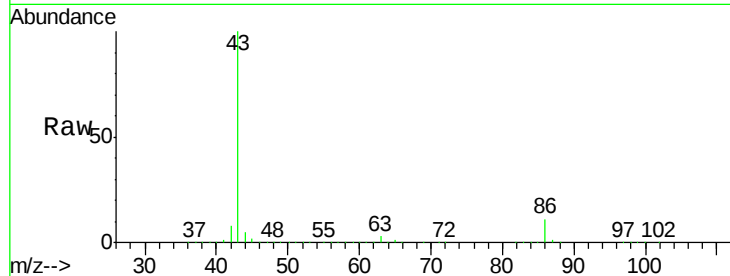
#23
 Vinyl Acetate
 Concen: 281.503 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4131073
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

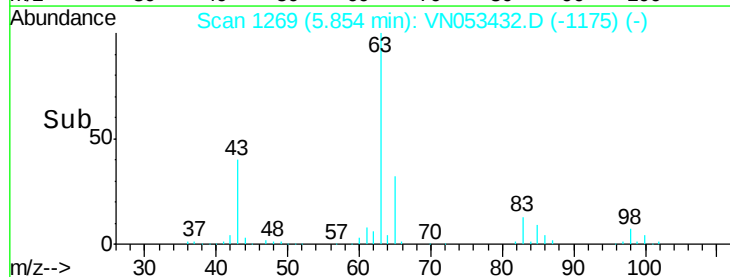
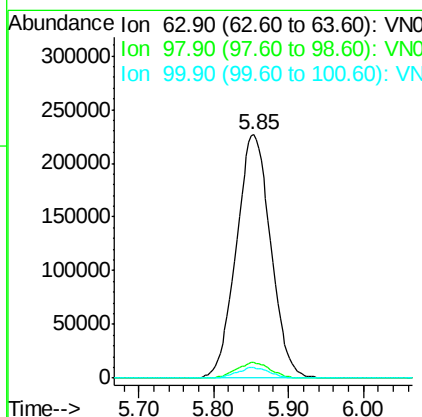
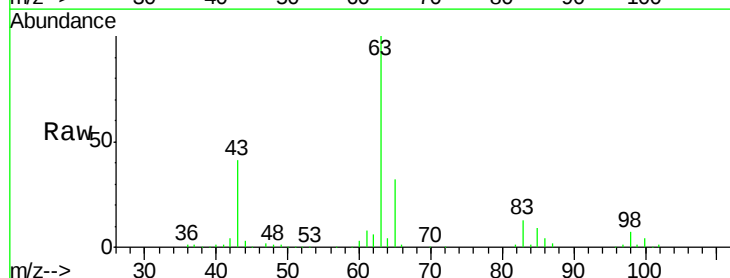
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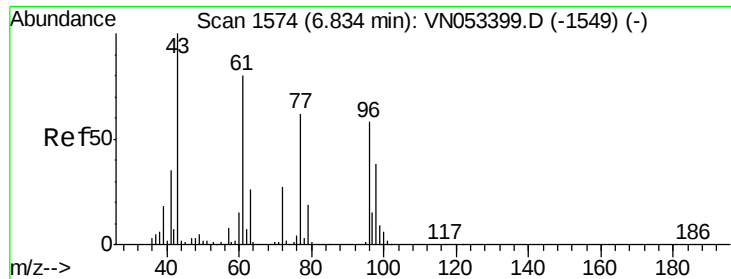
MMDadoda
 1/17/2019 9:41:27 AM



#24
 1,1-Dichloroethane
 Concen: 51.243 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 63 Resp: 723180
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 292.272 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 825912

Ion Ratio Lower Upper

43 100

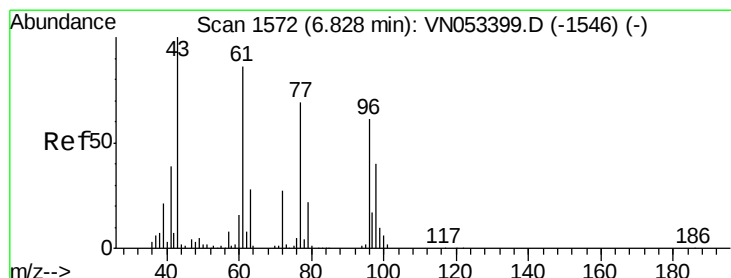
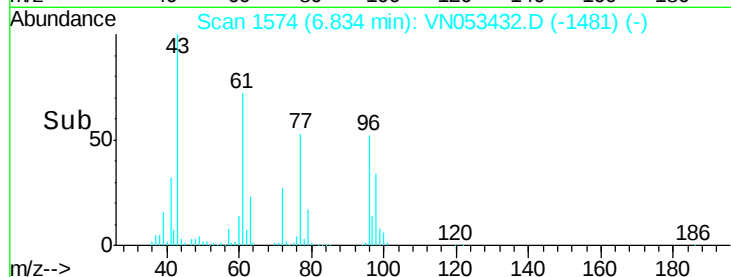
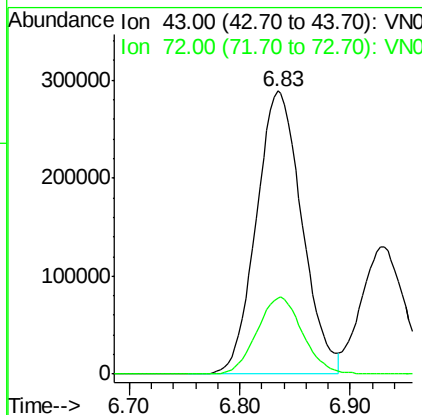
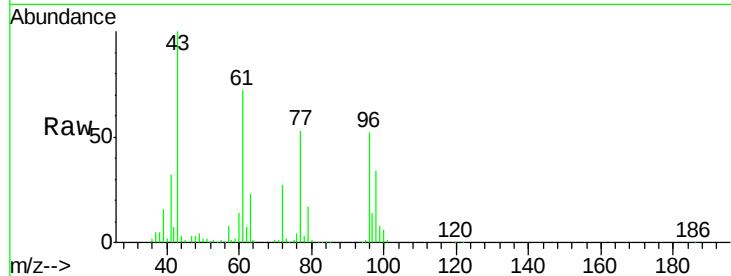
72 27.1 22.0 33.0

Manual Integrations

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MMDadoda

1/17/2019 9:41:27 AM



#26

2,2-Dichloropropane

Concen: 48.011 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053432.D

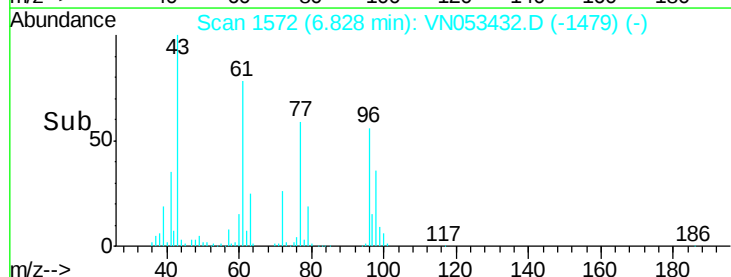
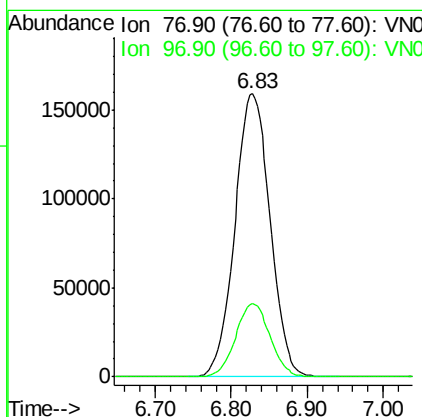
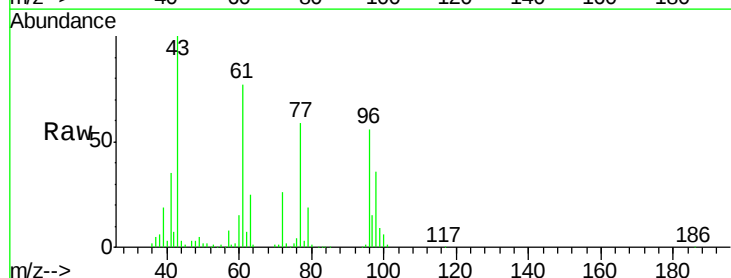
Acq: 16 Jan 2019 18:22

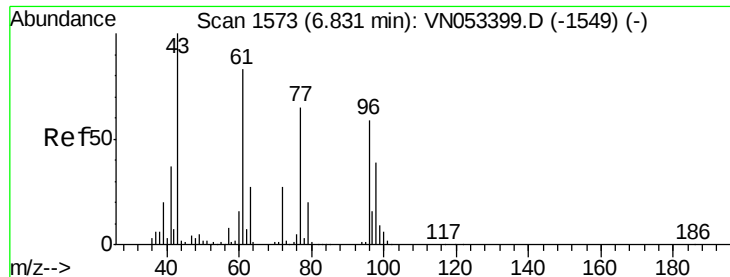
Tgt Ion: 77 Resp: 511584

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.687 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

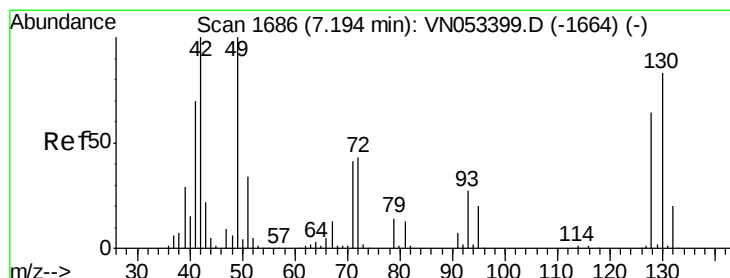
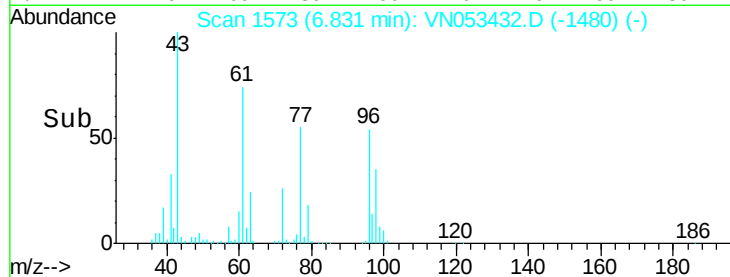
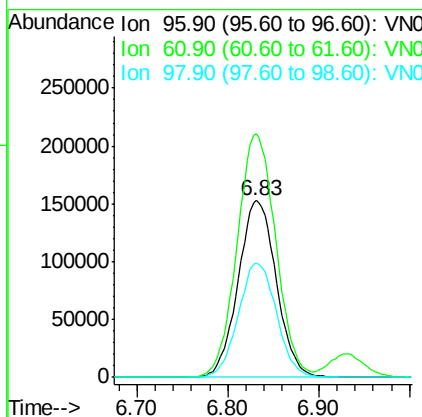
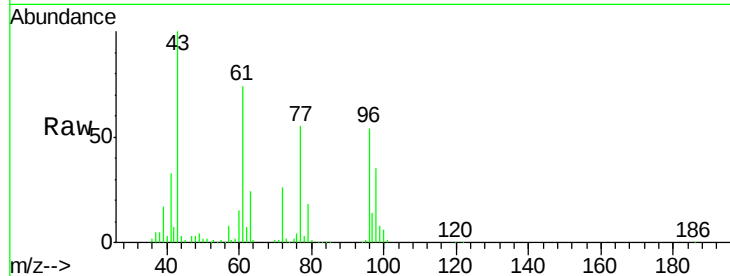
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	444870
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	283.8
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 52.783 ug/l

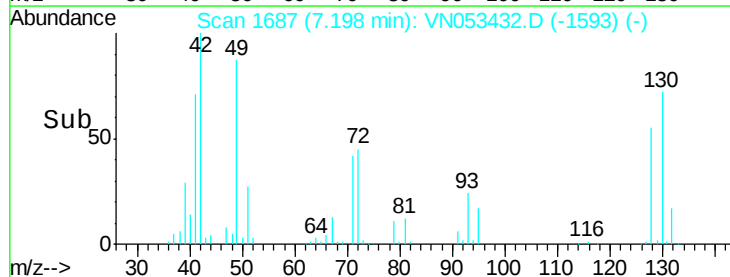
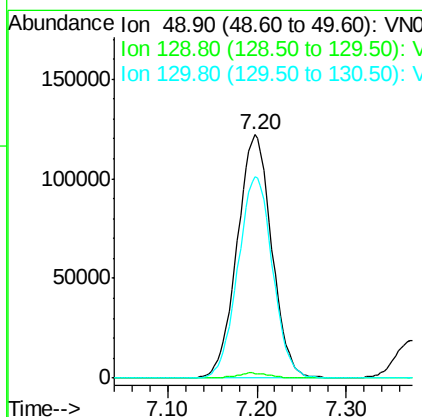
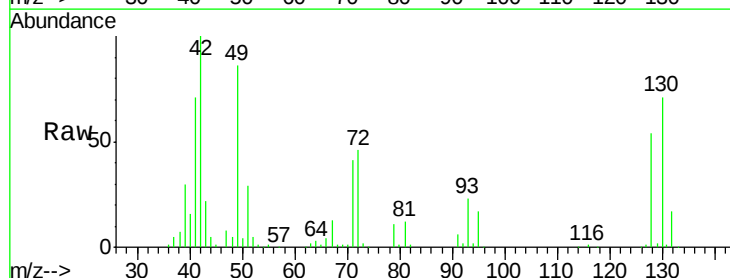
RT: 7.20 min Scan# 1687

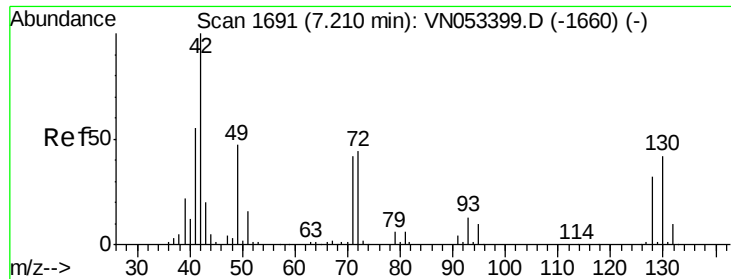
Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion:	49	Resp:	328168
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.0	66.3	99.5





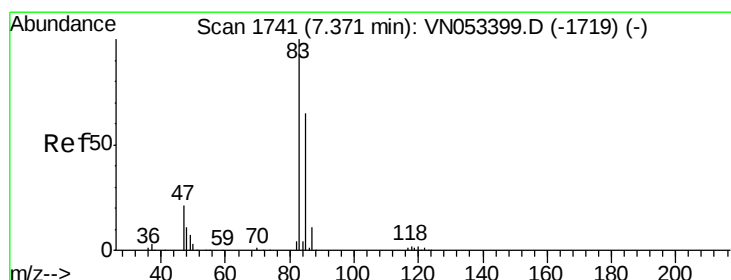
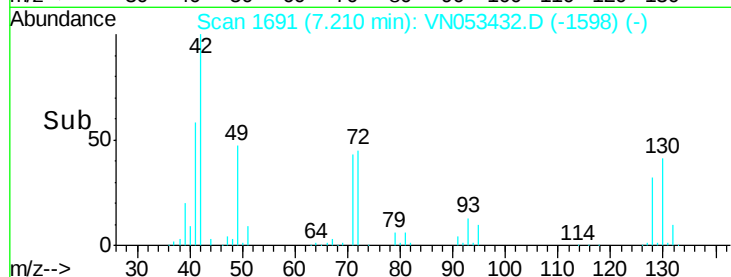
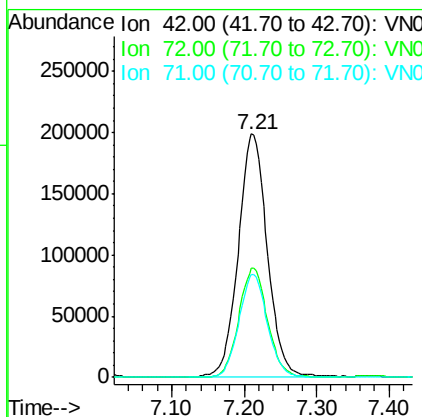
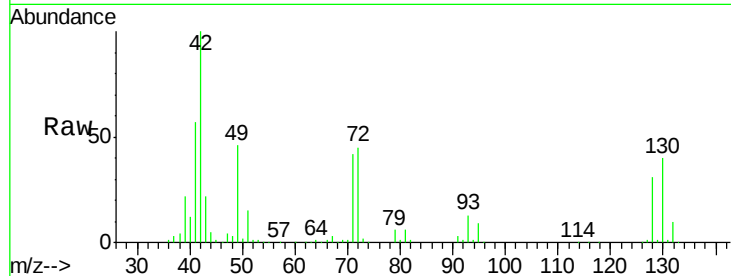
#29
Tetrahydrofuran
Concen: 300.169 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.2	52.8
71	41.6	33.0	49.4

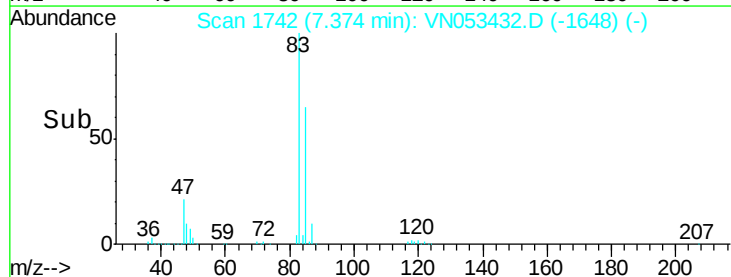
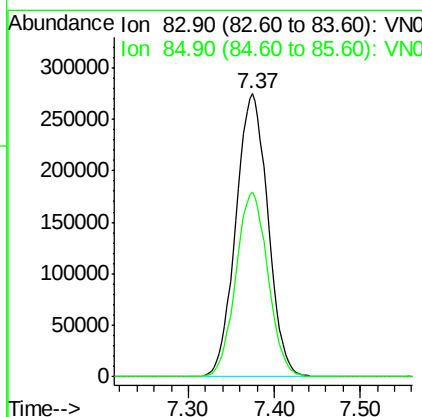
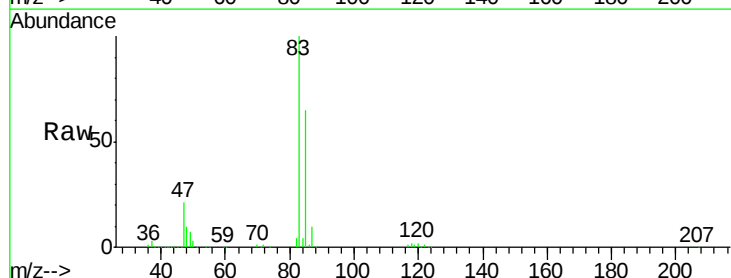
Manual Integrations
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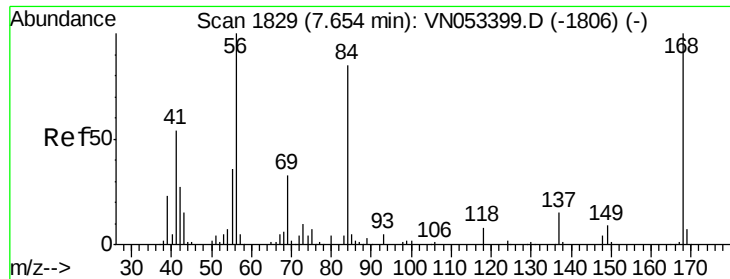
MMDadoda
1/17/2019 9:41:27 AM



#30
Chloroform
Concen: 51.961 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2





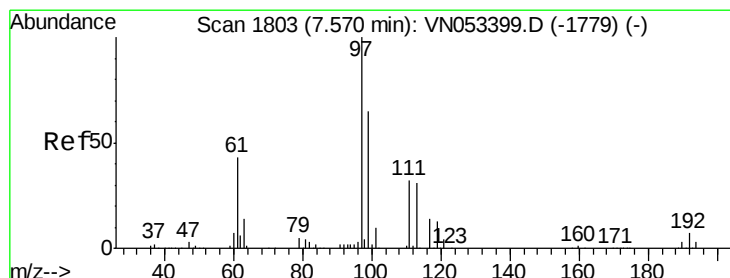
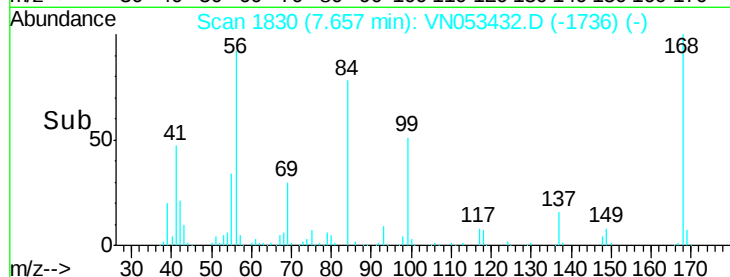
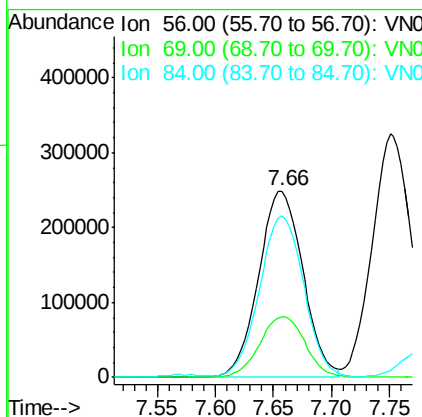
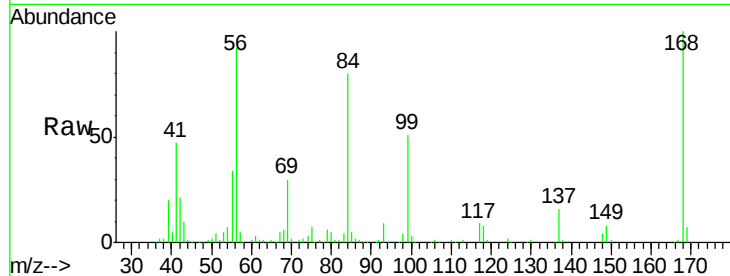
#31
Cyclohexane
Concen: 48.184 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.4	39.6
84	85.4	67.9	101.9

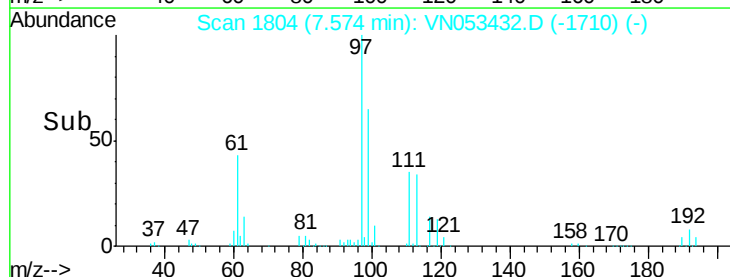
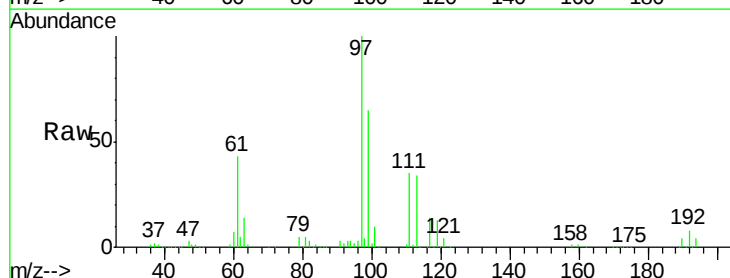
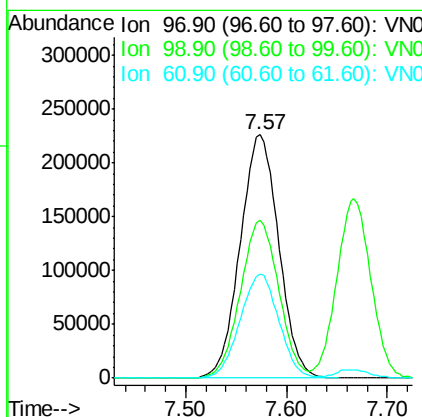
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 51.402 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	42.8	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 51.402 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 412347

Ion Ratio Lower Upper

65 100

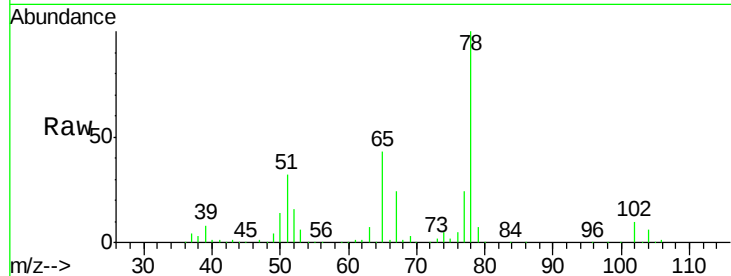
67 54.9 0.0 111.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN053432.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053432.D (-1852) (-)

8.03

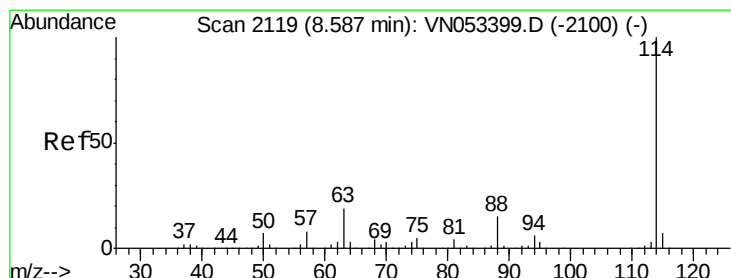
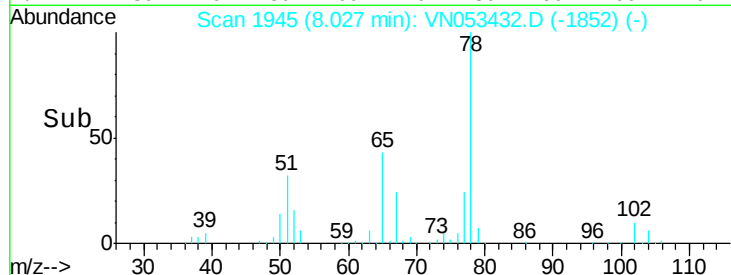
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

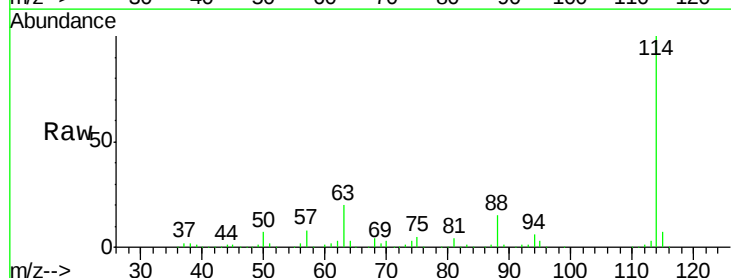
Tgt Ion: 114 Resp: 1201379

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053432.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053432.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053432.D (-2026) (-)

8.59

800000

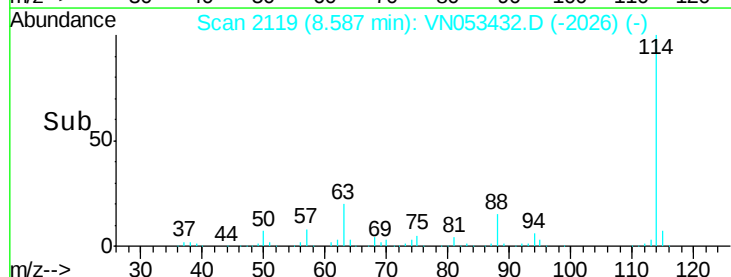
600000

400000

200000

0

Time-->





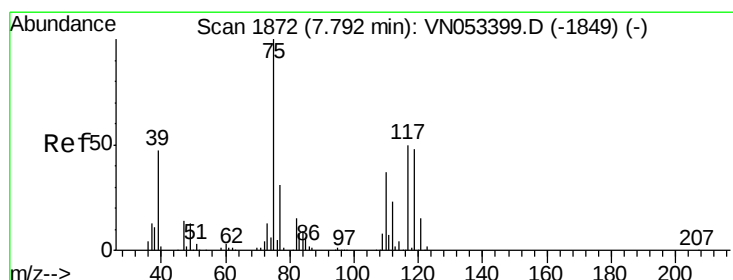
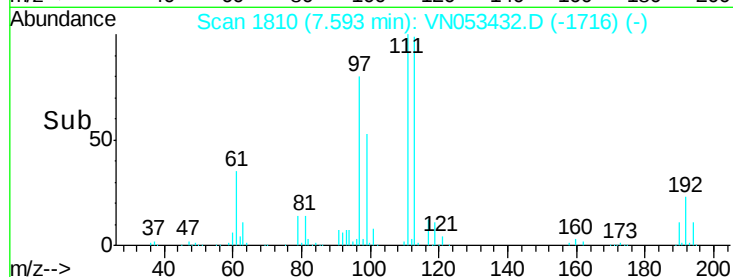
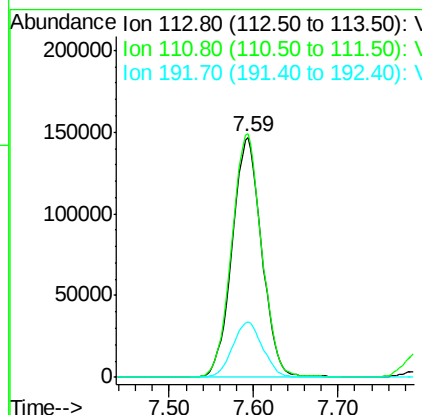
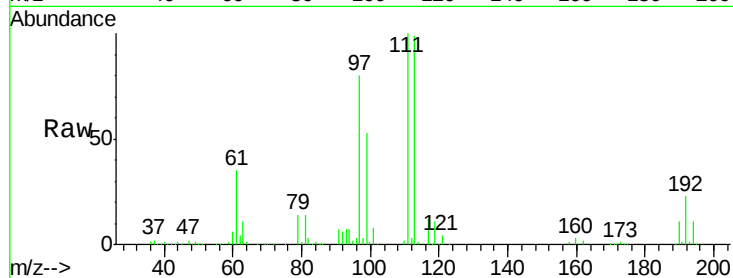
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	358660		
111	103.0	81.1	121.7	
192	23.3	18.2	27.2	

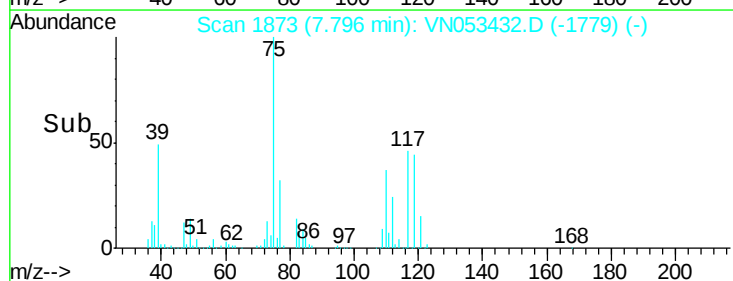
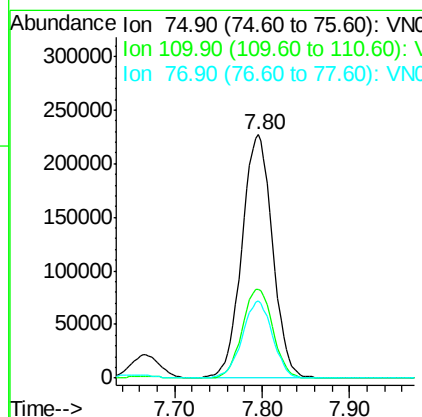
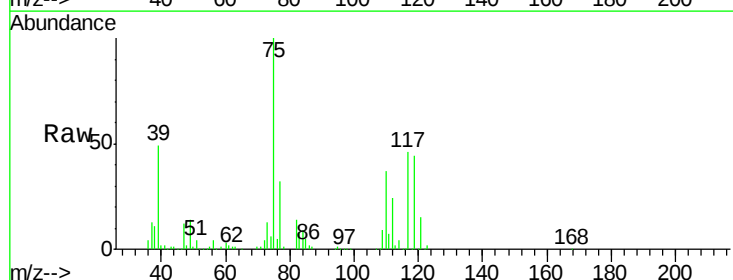
Manual Integrations
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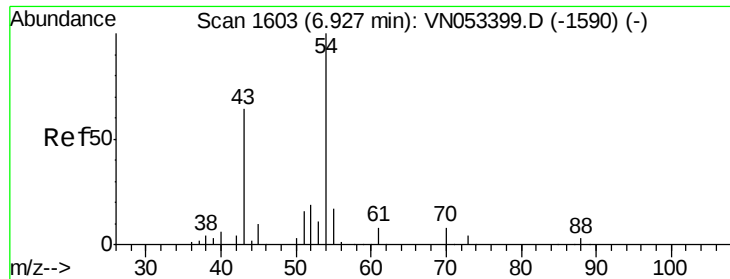
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#36
 1,1-Dichloropropene
 Concen: 50.270 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	550015		
110	36.6	18.1	54.3	
77	31.5	25.1	37.7	





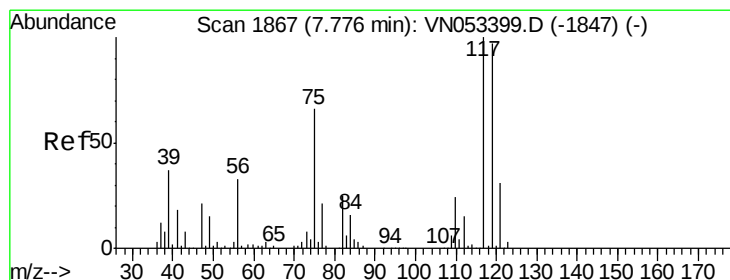
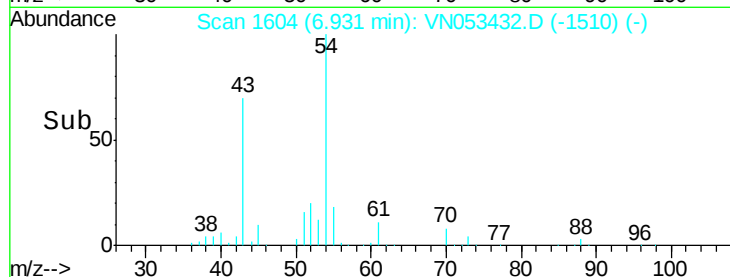
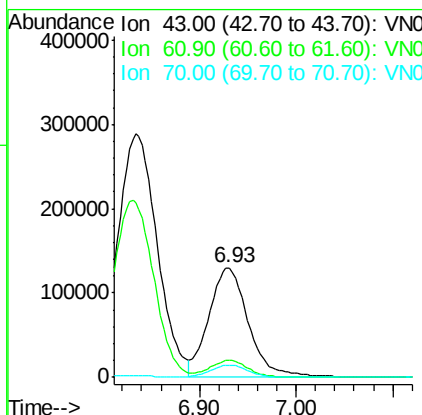
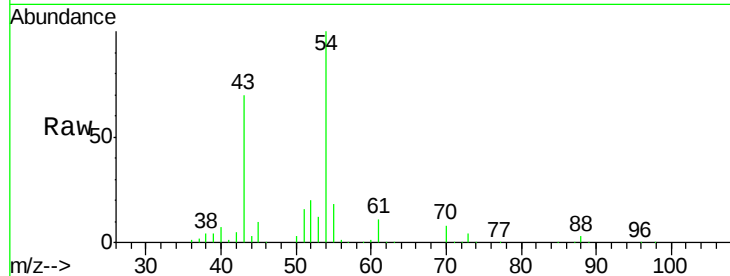
#37
Ethyl Acetate
Concen: 57.555 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	11.0	8.6	12.8

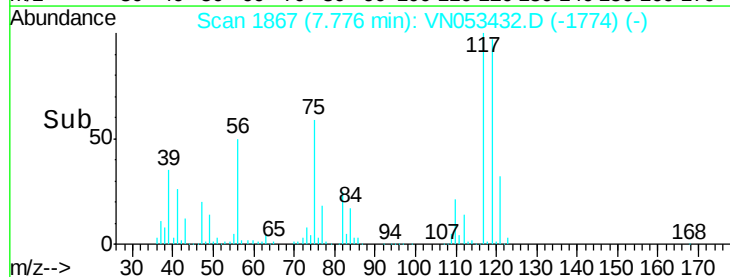
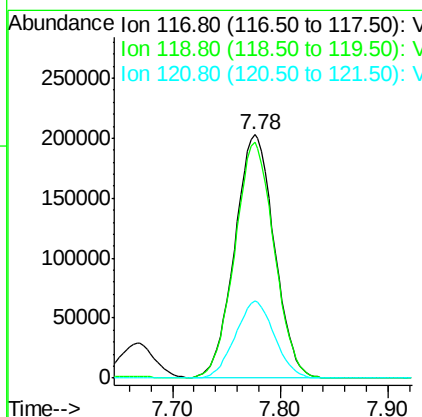
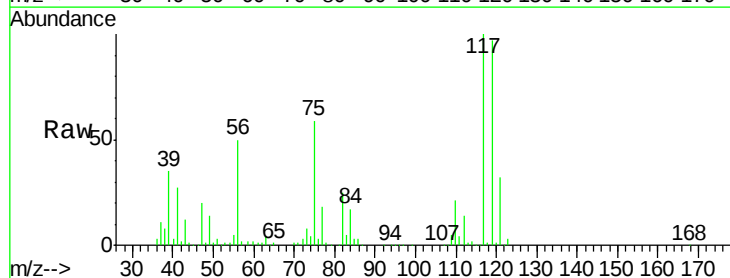
Manual Integrations
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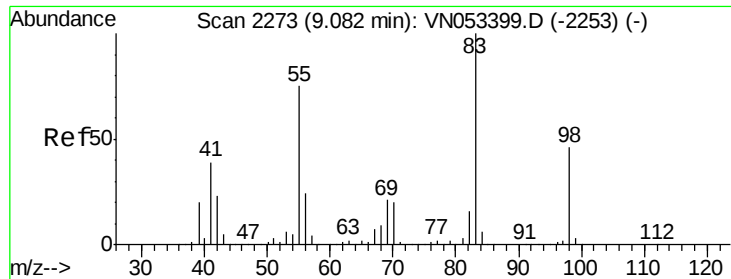
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#38
Carbon Tetrachloride
Concen: 49.912 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	31.9	24.6	37.0





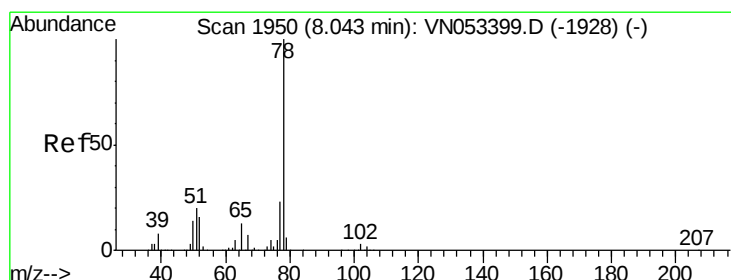
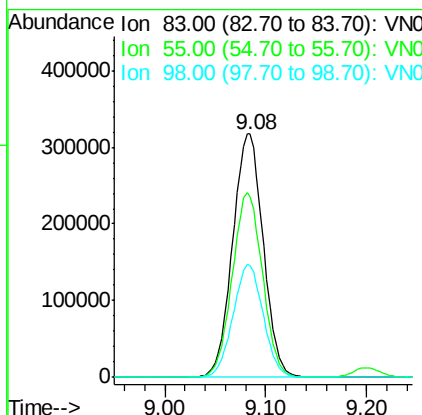
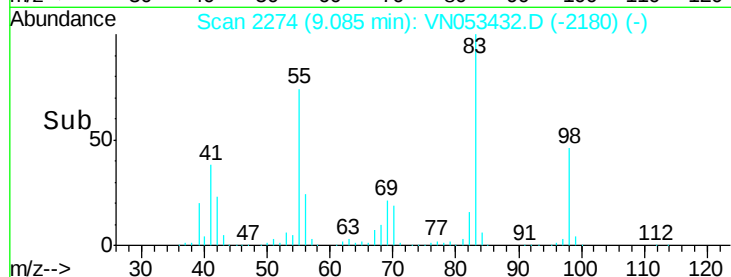
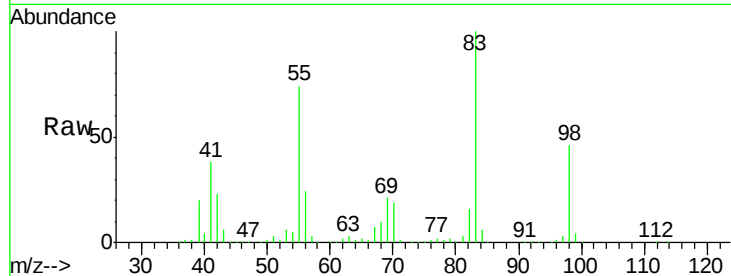
#39
Methvlcvclohexane
Concen: 49.277 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	666373
Ion Ratio	Lower	Upper	
83	100		
55	74.3	60.1	90.1
98	45.9	36.6	55.0

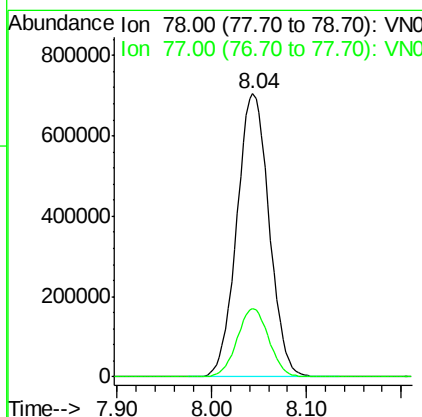
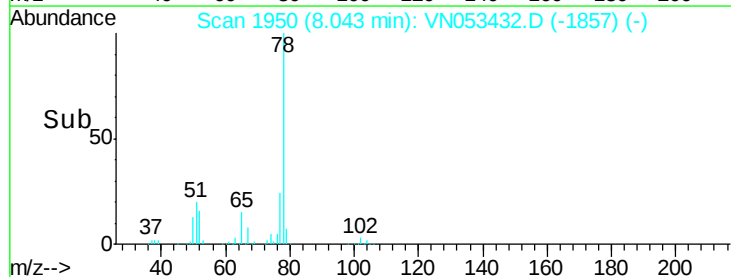
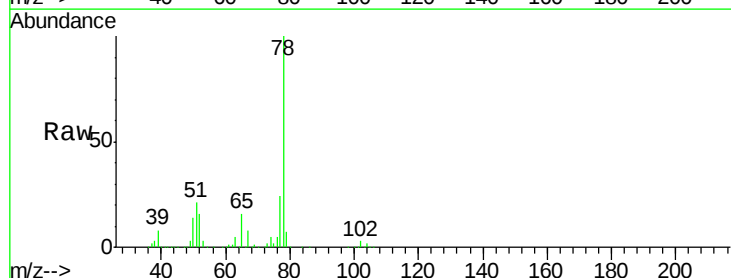
Manual Integrations
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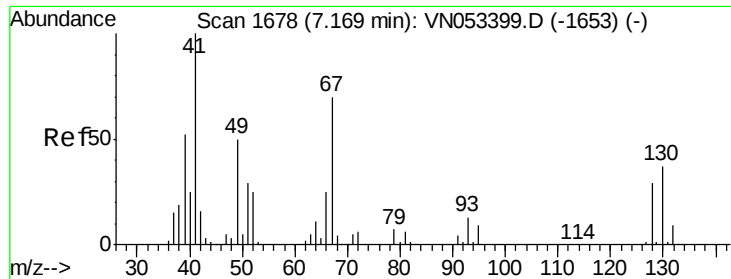
MMDadoda
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#40
Benzene
Concen: 50.339 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	78	Resp	1673665
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.8	28.2





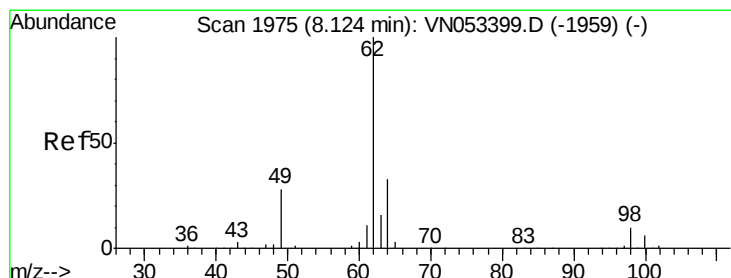
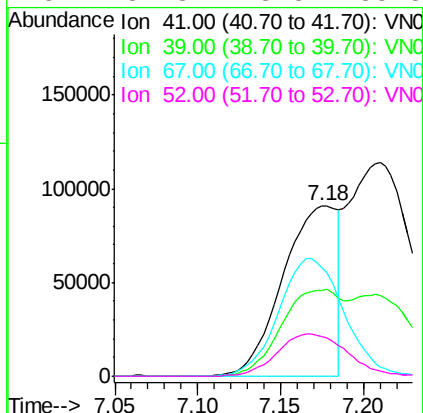
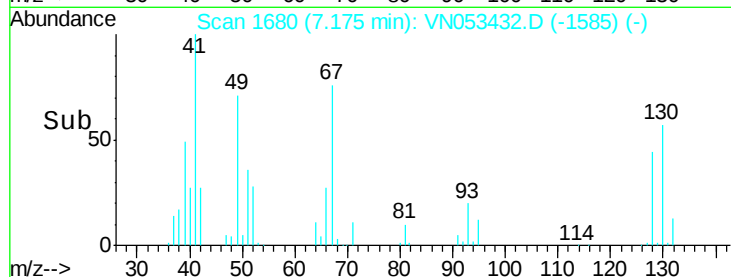
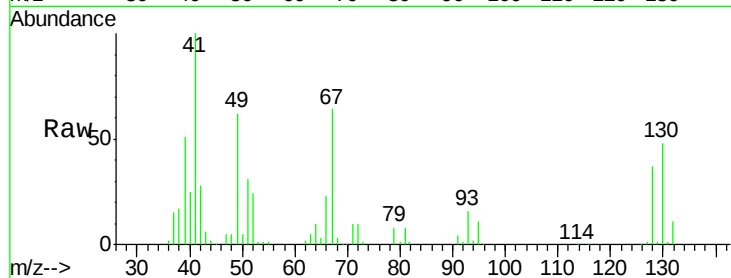
#41
Methacrylonitrile
Concen: 55.470 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	46.8	70.2	
67	83.0	63.0	94.6	
52	32.3	23.8	35.8	

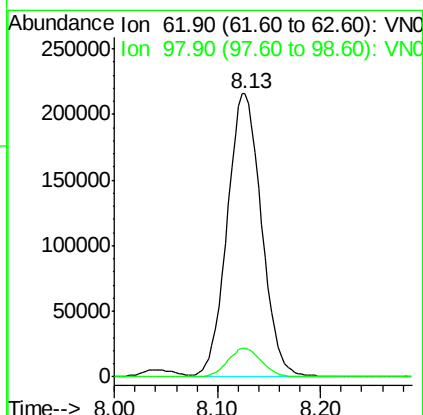
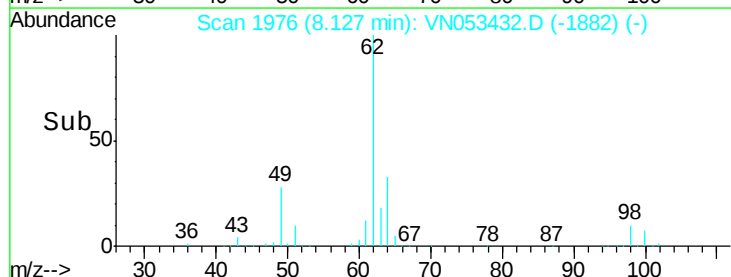
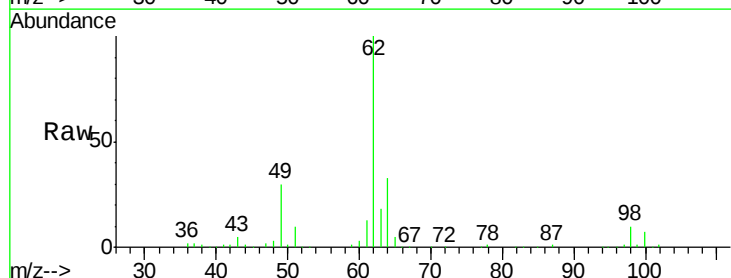
Manual Integrations
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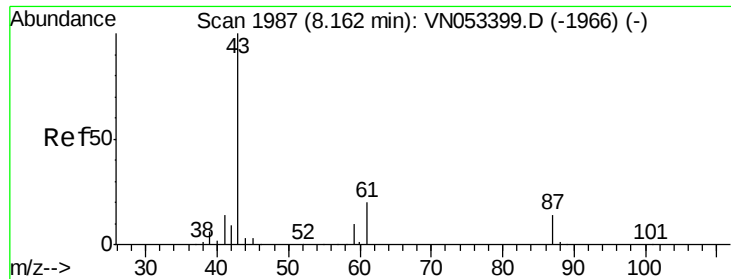
MMDadoda
1/17/2019 9:41:27 AM



#42
1,2-Dichloroethane
Concen: 51.337 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.6	





#43

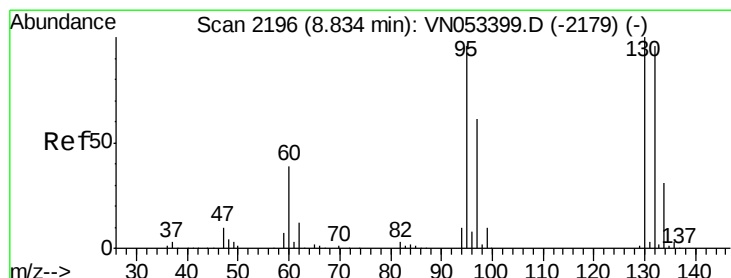
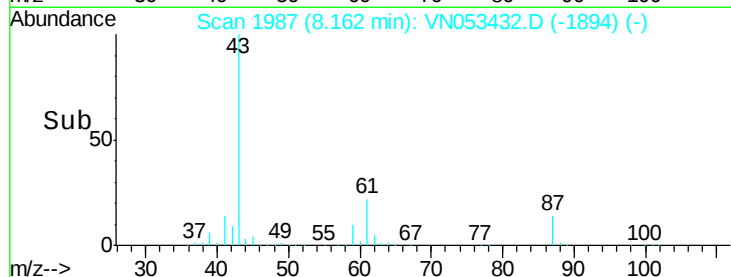
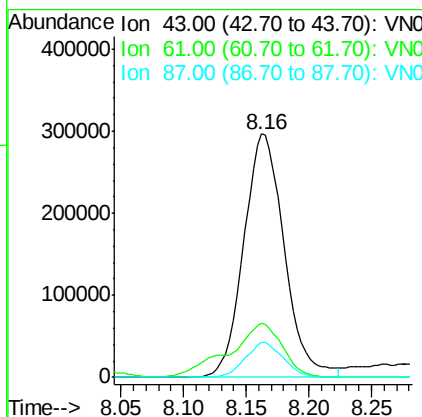
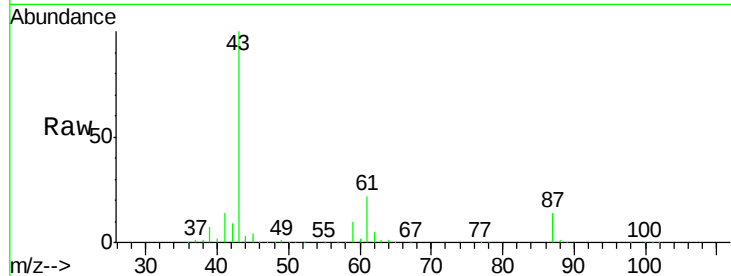
Isopropyl Acetate
 Concen: 58.800 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.9	35.9
87	13.5	11.0	16.6

Manual Integrations
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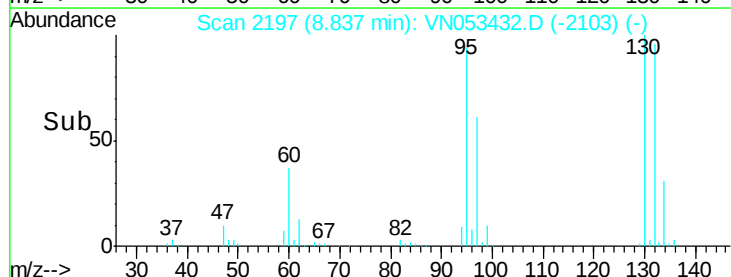
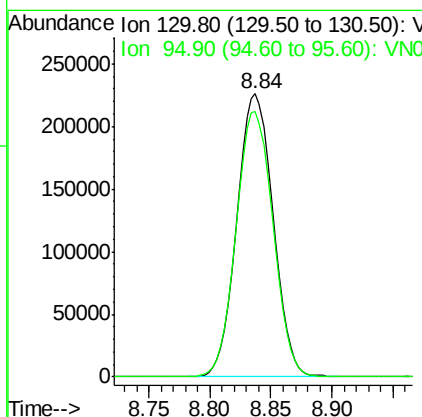
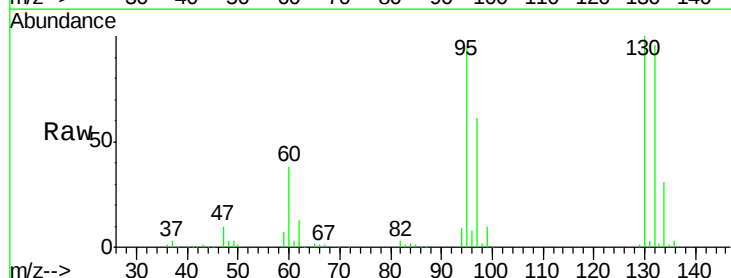
MMDadoda
 1/17/2019 9:41:27 AM

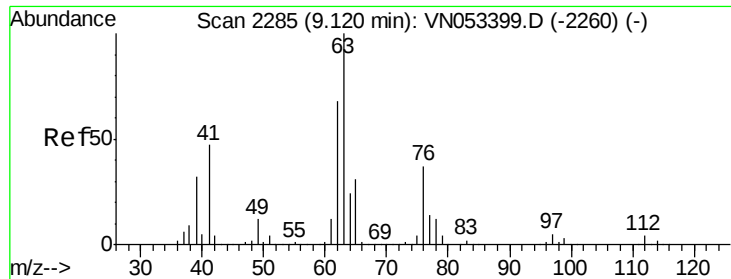


#44

Trichloroethene
 Concen: 50.486 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	191.4





#45

1,2-Dichloropropane

Concen: 50.818 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 447522

Ion Ratio Lower Upper

63 100

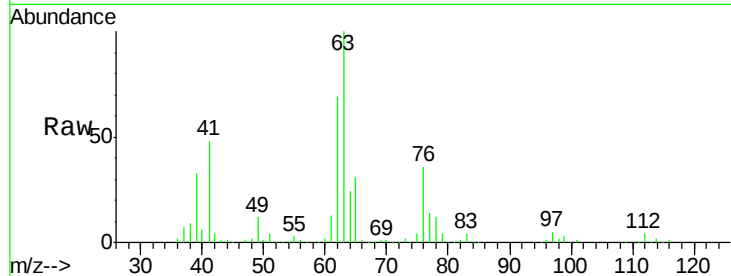
65 31.2 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

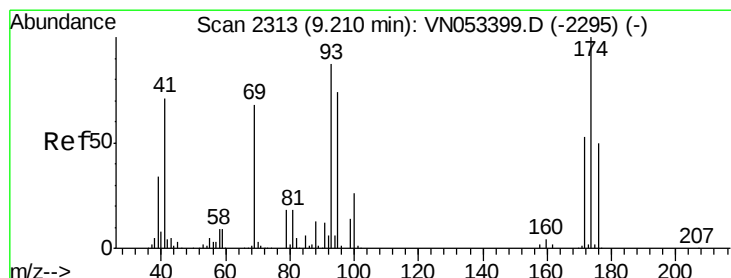
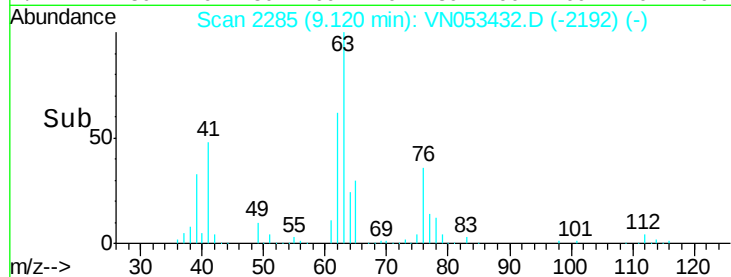
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.267 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

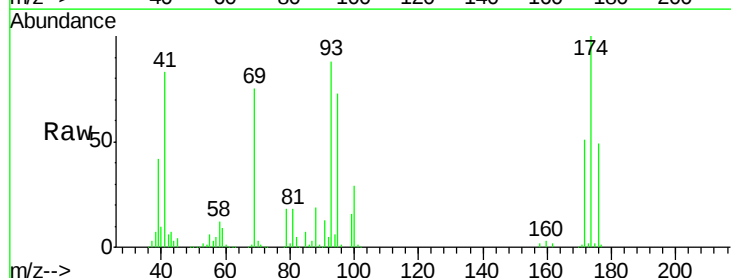
Tgt Ion: 93 Resp: 264450

Ion Ratio Lower Upper

93 100

95 84.2 67.3 100.9

174 114.8 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

200000

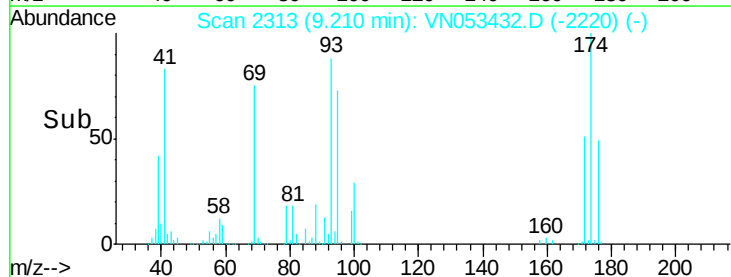
150000

100000

50000

0

Time-->





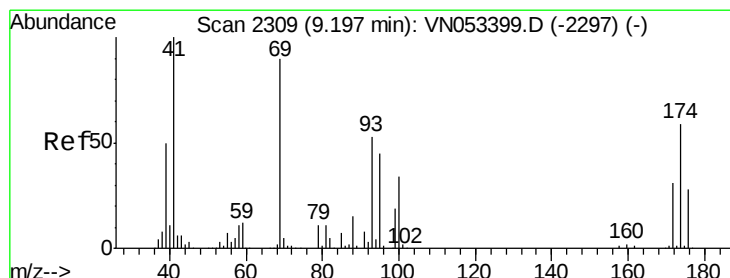
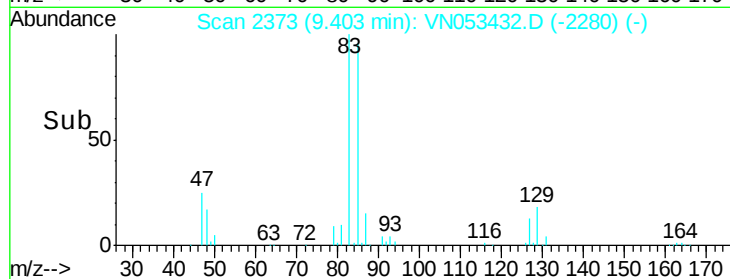
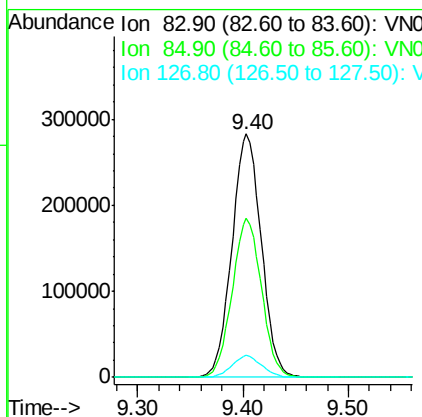
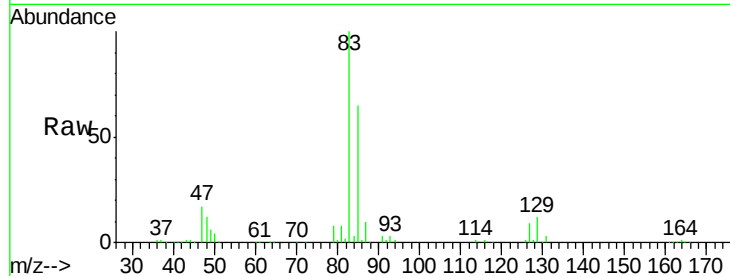
#47
 Bromodichloromethane
 Concen: 51.294 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	545778
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.0	76.6
127	8.9	7.0	10.6

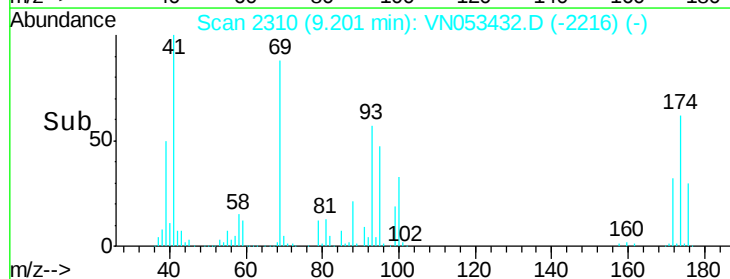
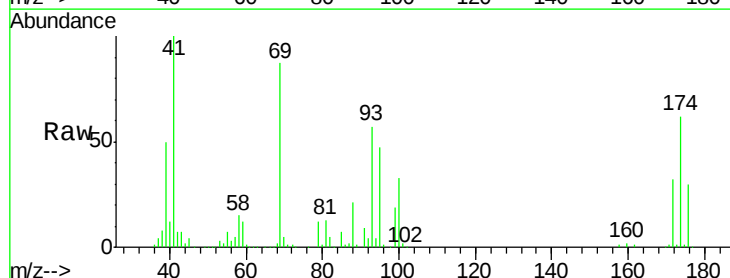
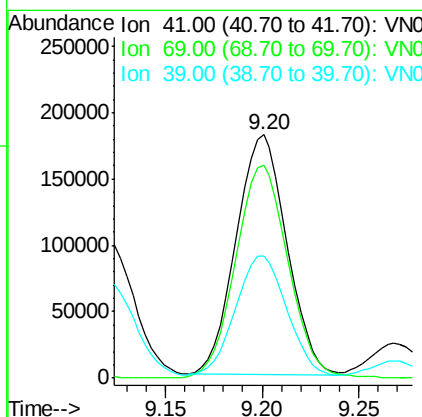
Manual Integrations
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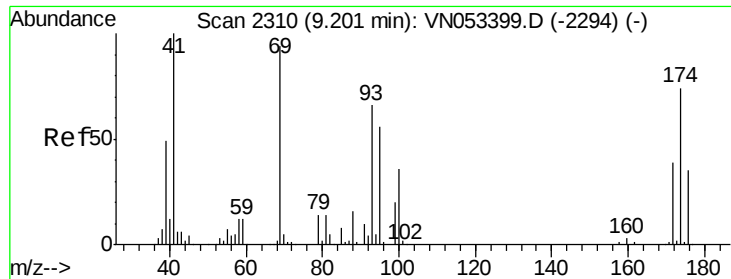
MMDadoda
 1/17/2019 9:41:27 AM



#48
 Methyl methacrylate
 Concen: 56.372 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	41	Resp	329445
Ion Ratio	100	Lower	Upper
41	100		
69	92.3	73.8	110.6
39	52.5	40.0	60.0





#49

1,4-Dioxane

Concen: 1376.891 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 78586

Ion Ratio Lower Upper

88 100

43 31.1 27.8 41.6

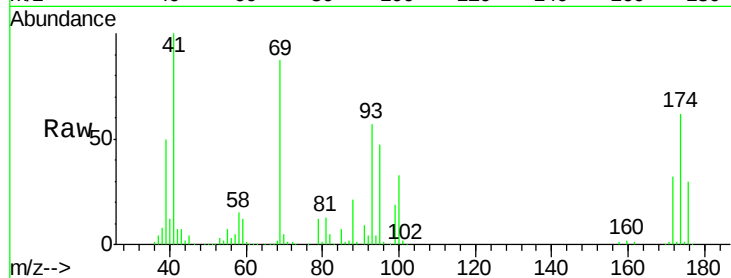
58 69.7 56.5 84.7

Manual Integrations

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MMDadoda

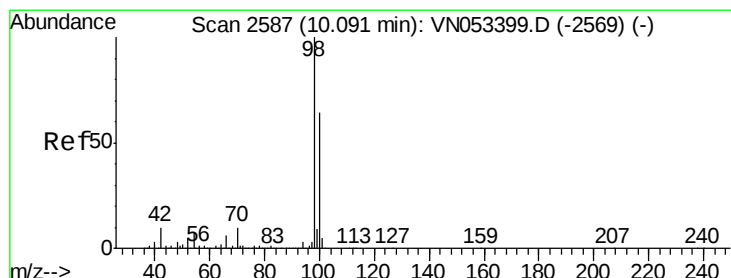
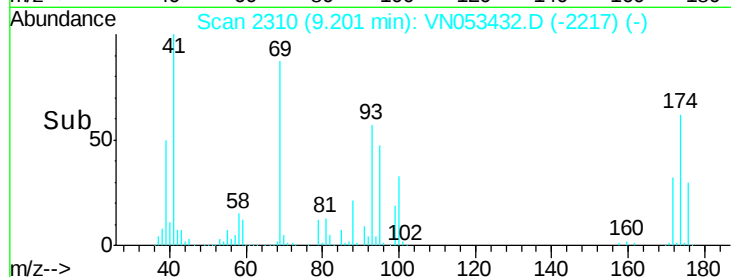
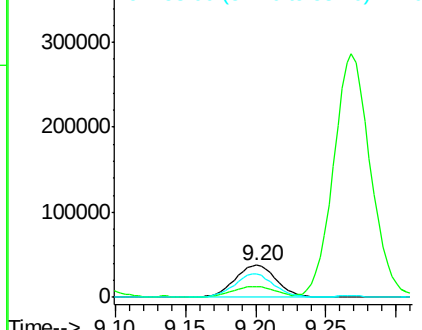
1/17/2019 9:41:27 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 1376.891 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053432.D

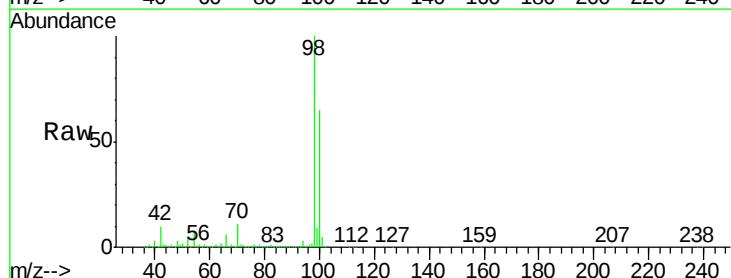
Acq: 16 Jan 2019 18:22

Tgt Ion: 98 Resp: 1487952

Ion Ratio Lower Upper

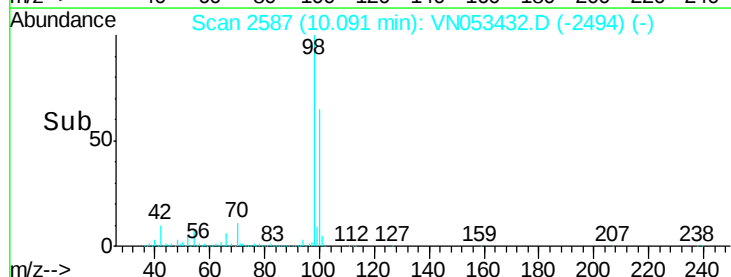
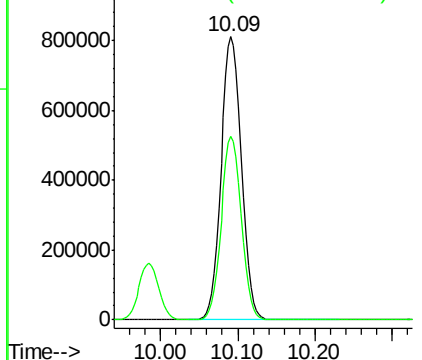
98 100

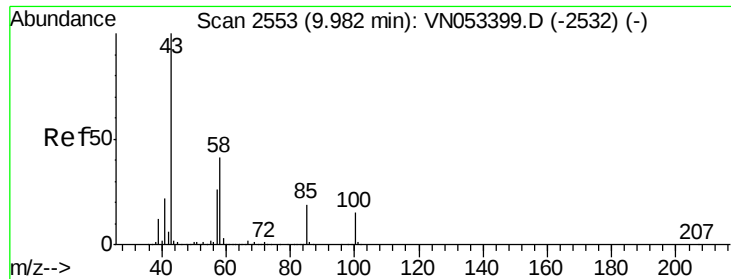
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





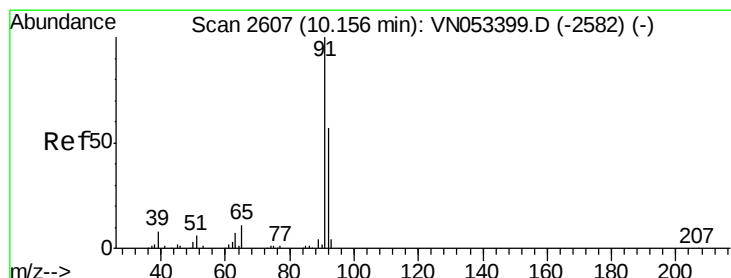
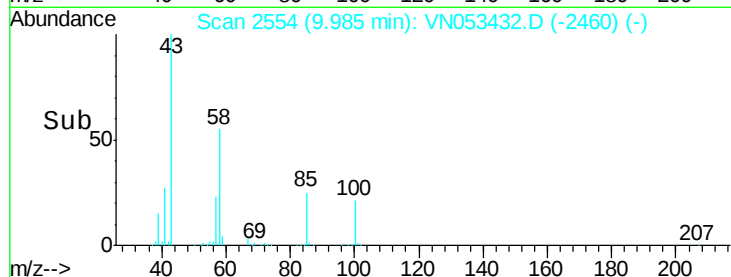
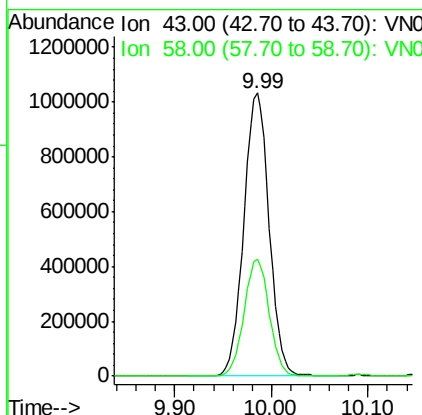
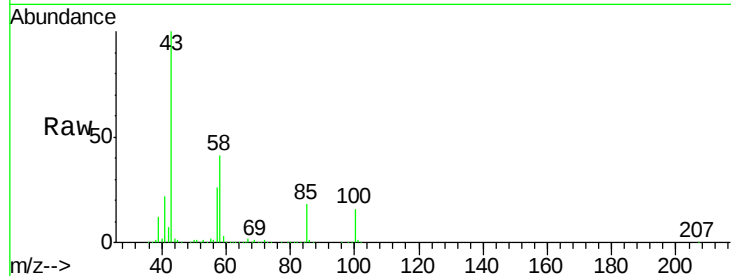
#51
 4-Methyl-2-Pentanone
 Concen: 302.843 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1871205
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.8 49.2

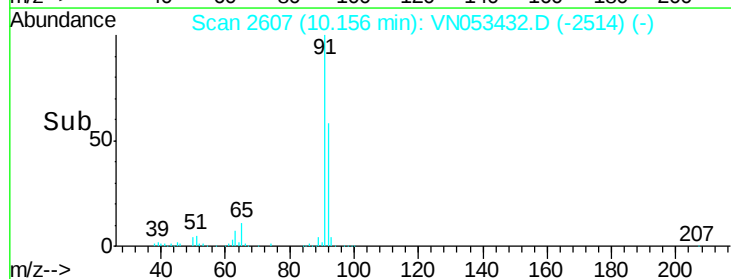
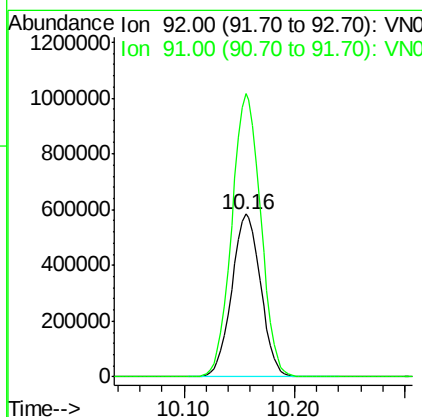
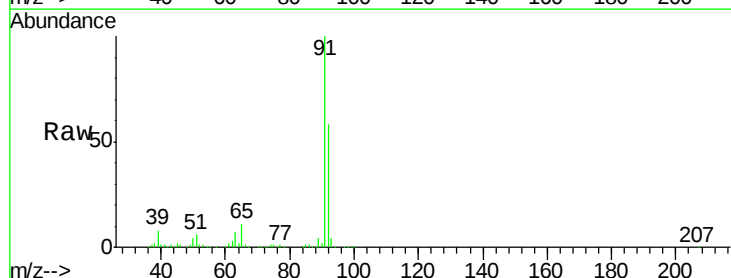
Manual Integrations
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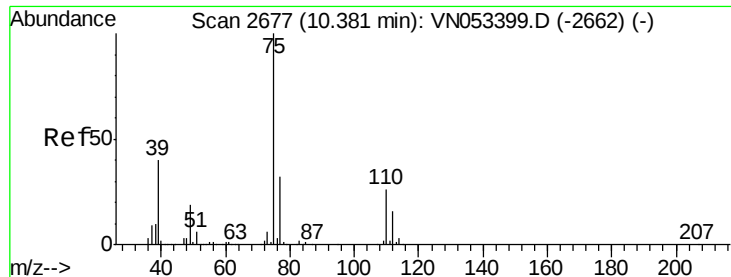
MMDadoda
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#52
 Toluene
 Concen: 51.241 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 92 Resp: 1057670
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.9 209.9





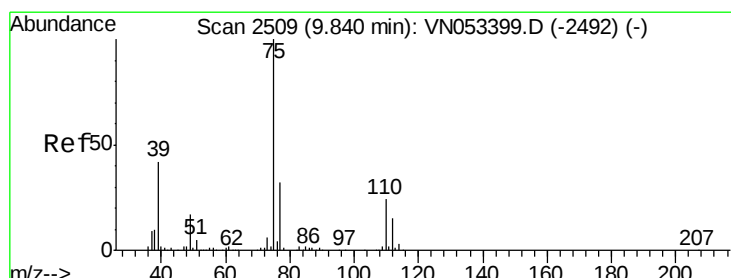
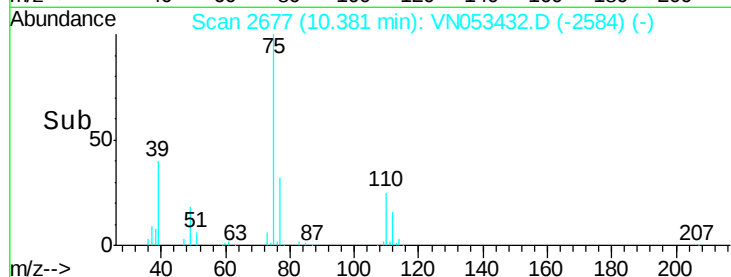
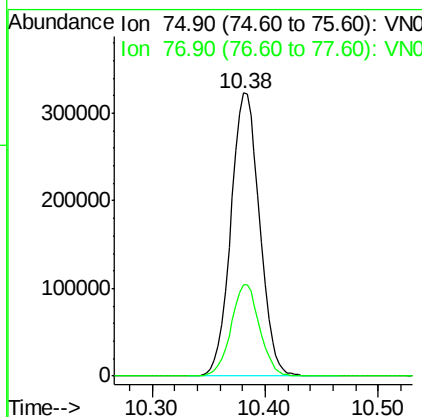
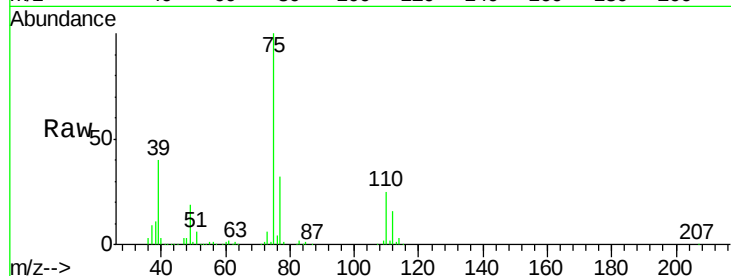
#53
t-1,3-Dichloropropene
Concen: 52.954 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

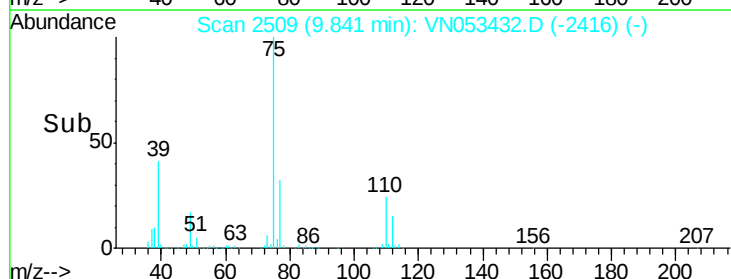
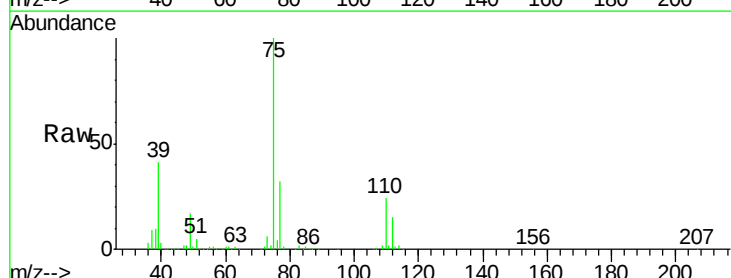
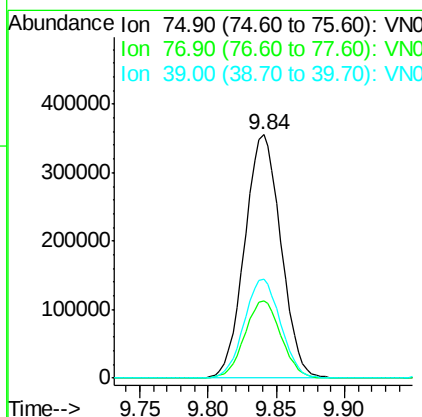
Manual Integrations
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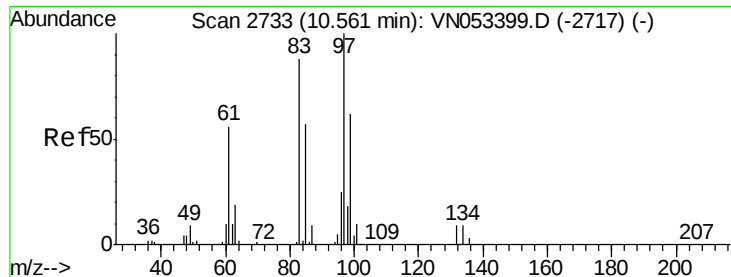
MMDadoda
1/17/2019 9:41:27 AM



#54
cis-1,3-Dichloropropene
Concen: 51.878 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	40.6	33.4	50.0





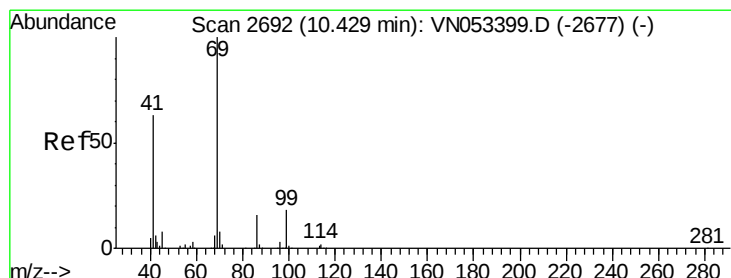
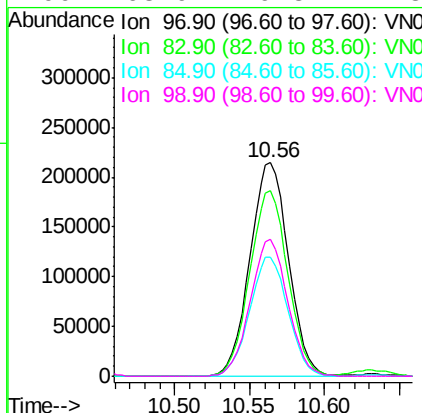
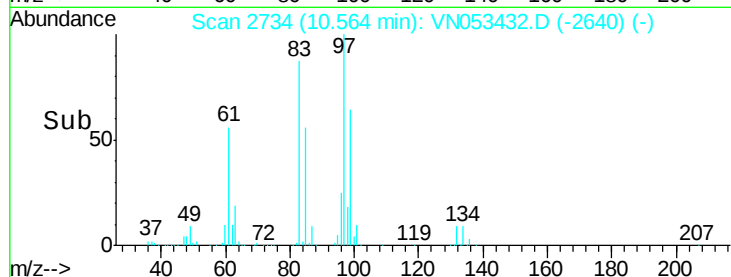
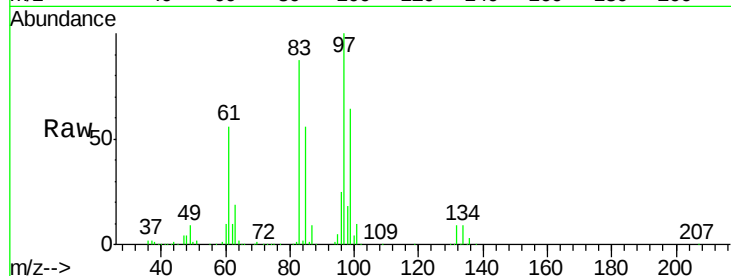
#55
 1,1,2-Trichloroethane
 Concen: 54.092 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	384937
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.1	105.1
85	55.8	45.4	68.0
99	63.9	49.8	74.8

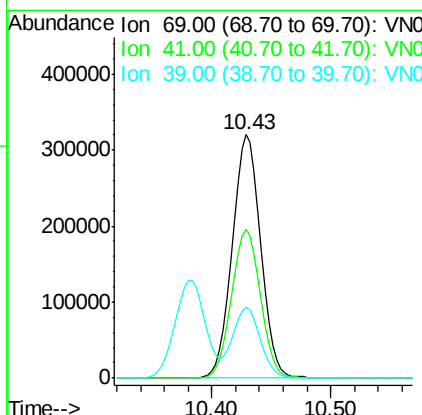
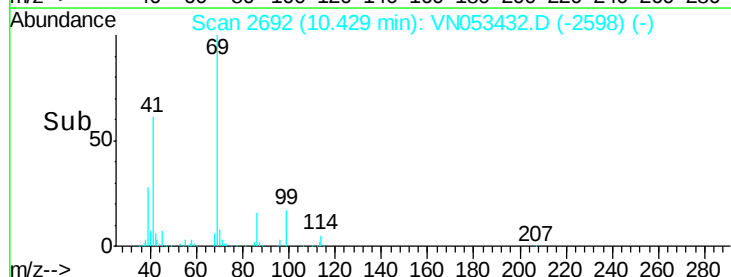
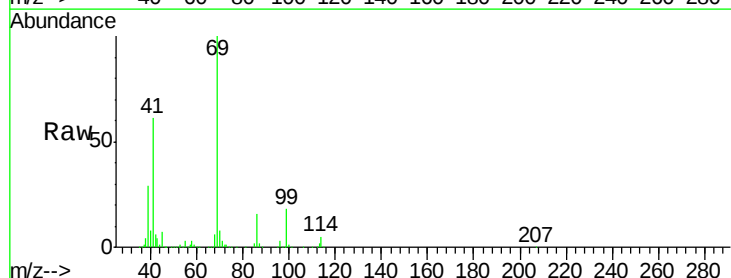
Manual Integrations
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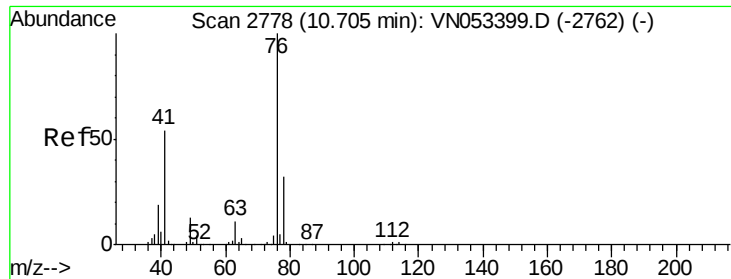
MMDadoda
 1/17/2019 9:41:27 AM



#56
 Ethyl methacrylate
 Concen: 52.312 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion:	69	Resp:	529317
Ion	Ratio	Lower	Upper
69	100		
41	61.4	49.4	74.0
39	28.8	23.3	34.9





#57

1,3-Dichloropropane

Concen: 53.458 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 658095

Ion Ratio Lower Upper

76 100

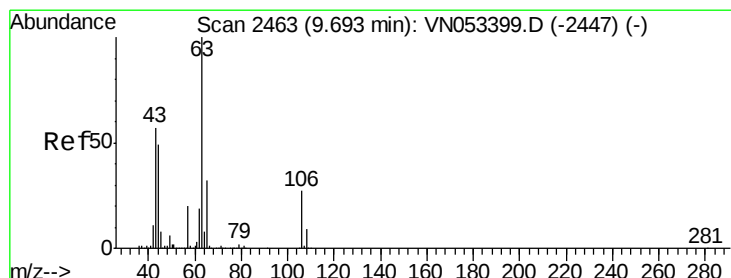
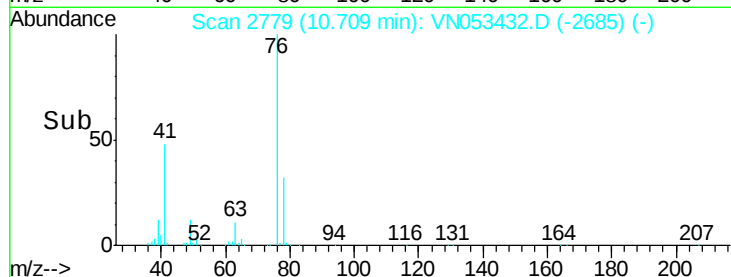
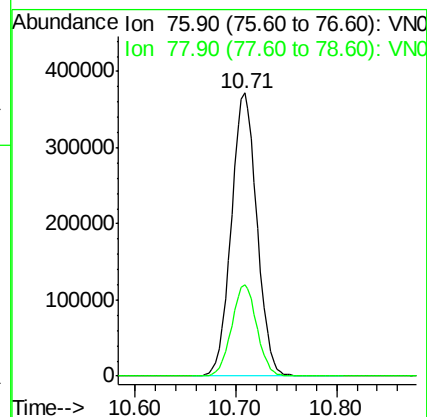
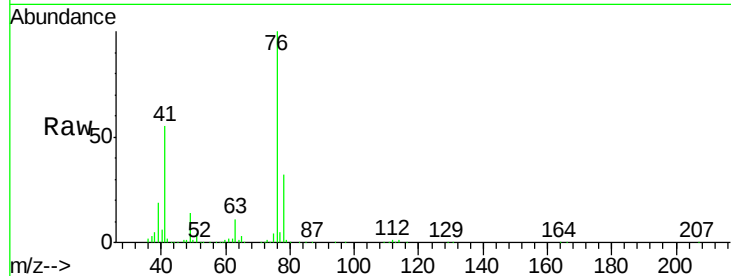
78 32.0 25.6 38.4

Manual Integrations

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1/17/2019 9:41:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 276.975 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053432.D

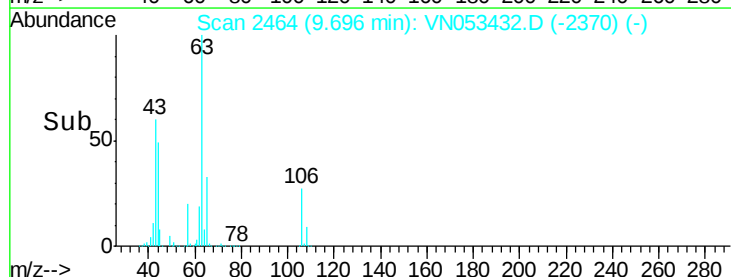
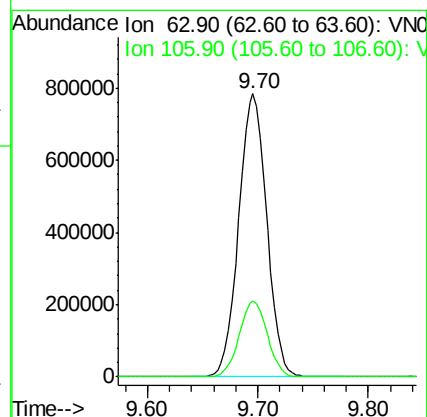
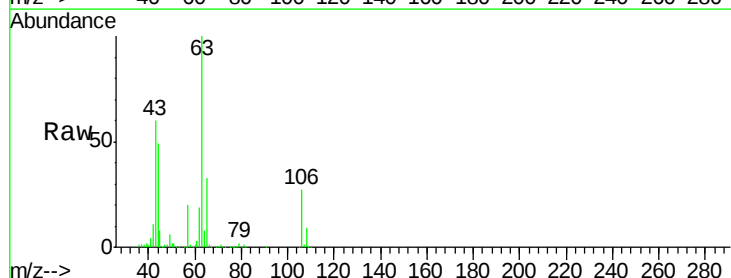
Acq: 16 Jan 2019 18:22

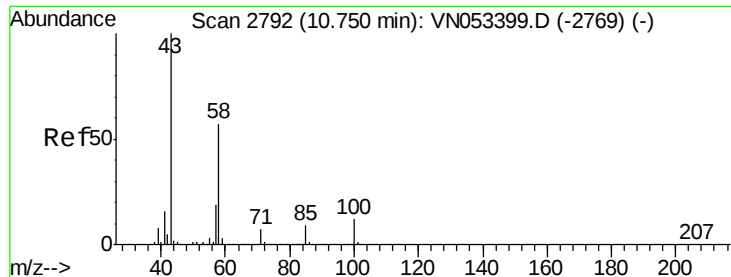
Tgt Ion: 63 Resp: 1378912

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





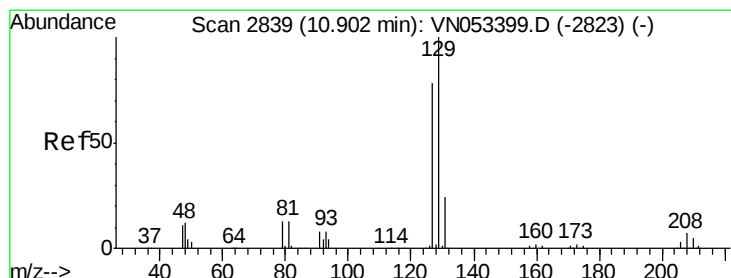
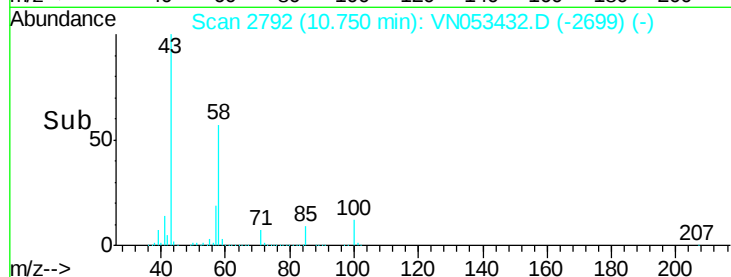
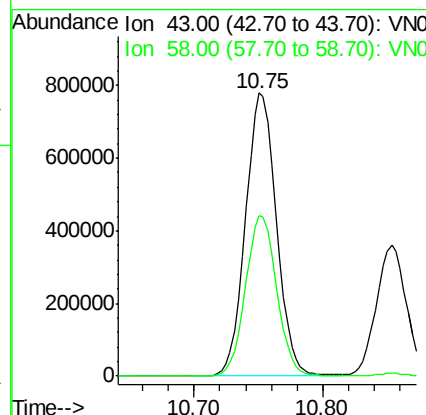
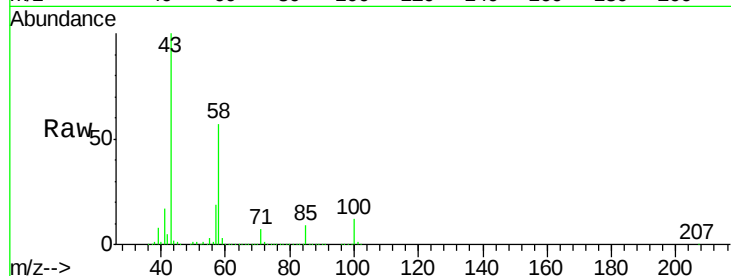
#59
2-Hexanone
Concen: 300.215 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1302168
Ion Ratio Lower Upper
43 100
58 57.1 28.6 85.8

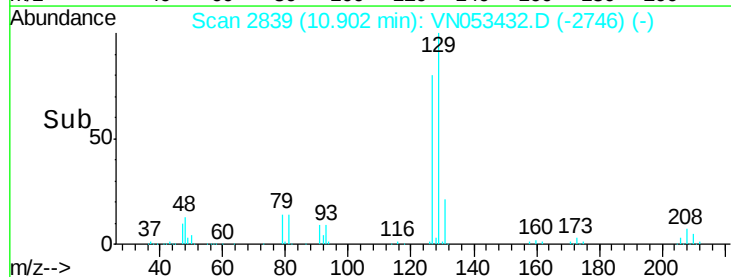
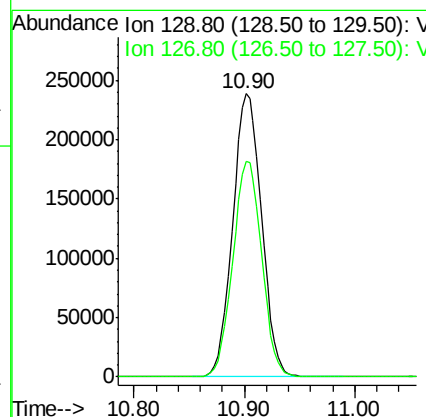
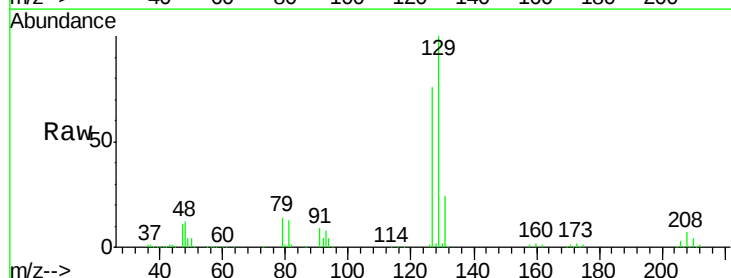
Manual Integrations
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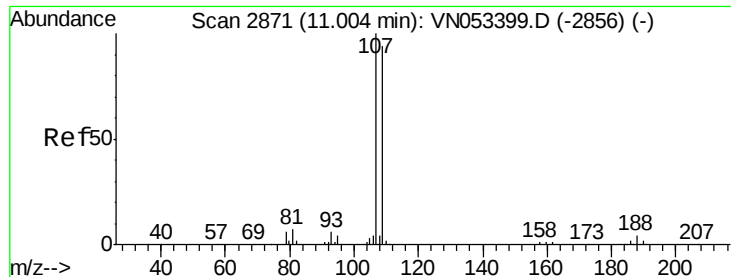
MMDadoda
1/17/2019 9:41:27 AM



#60
Dibromochloromethane
Concen: 53.713 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 129 Resp: 433539
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





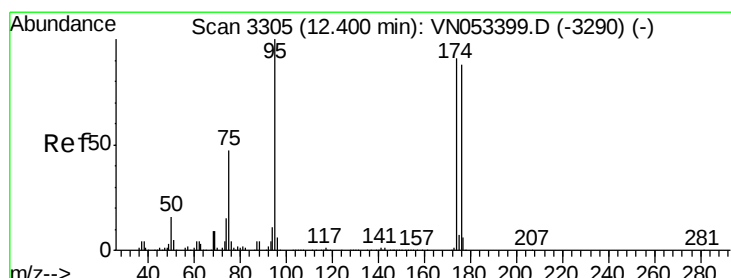
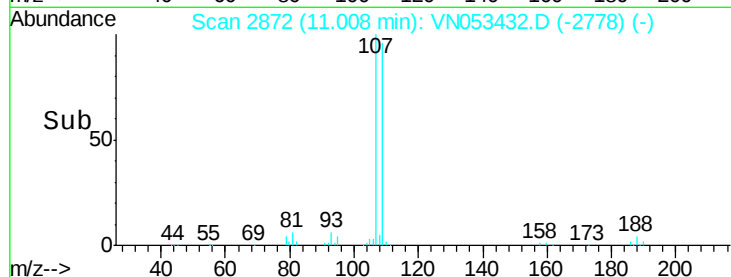
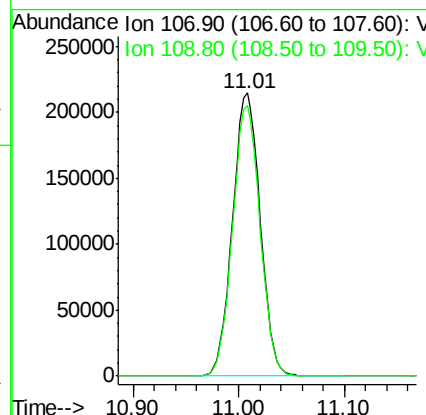
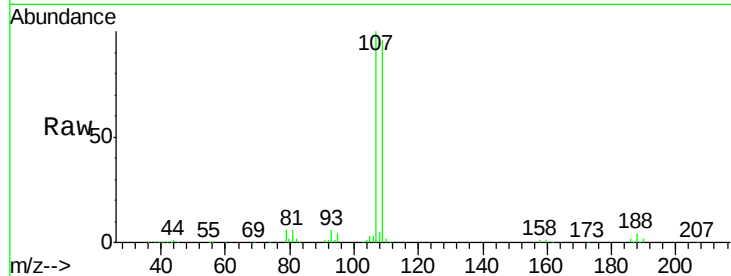
#61
 1,2-Dibromoethane
 Concen: 54.092 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.7	113.5

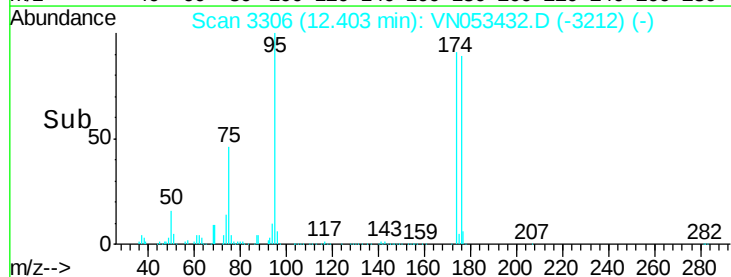
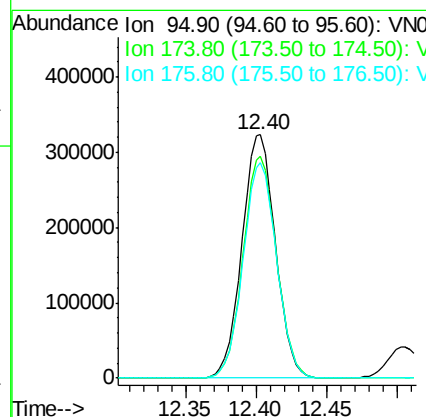
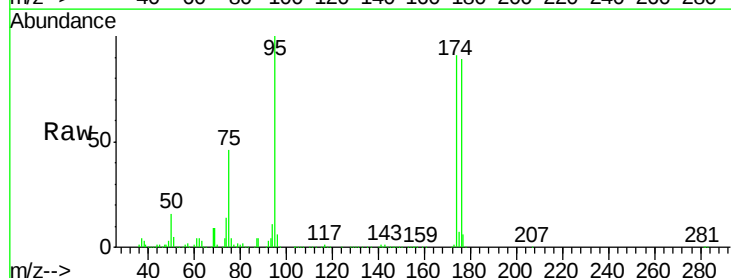
Manual Integrations
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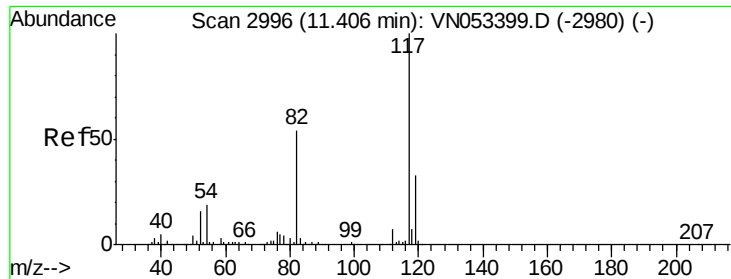
MMDadoda
 1/17/2019 9:41:27 AM



#62
 4-Bromofluorobenzene
 Concen: 54.092 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	183.2
176	88.4	0.0	177.4





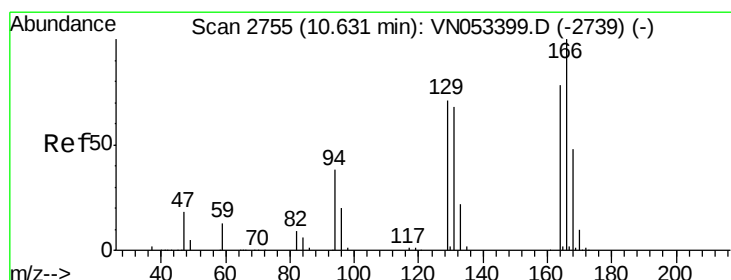
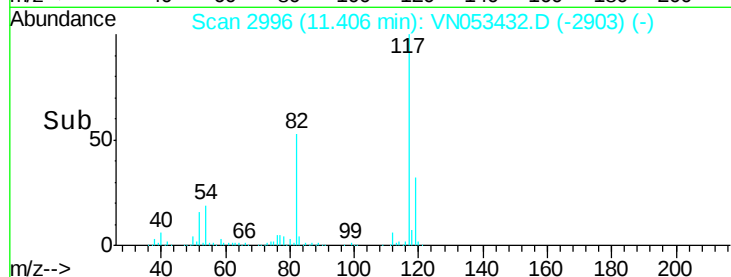
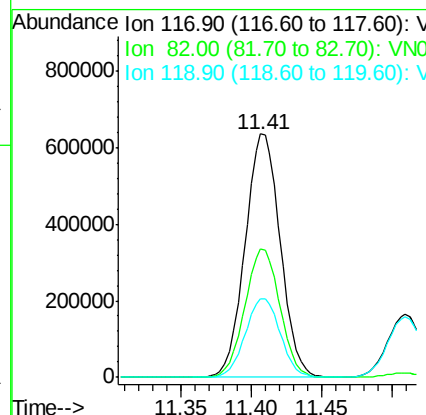
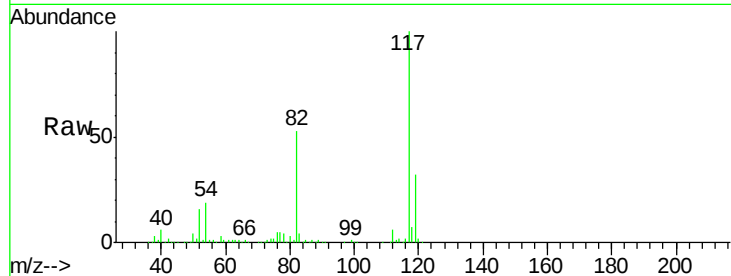
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.9	64.3
119	32.3	26.0	39.0

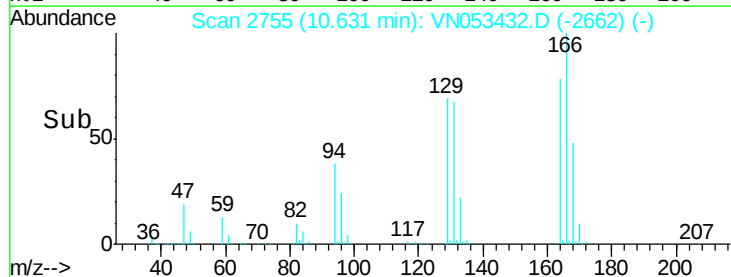
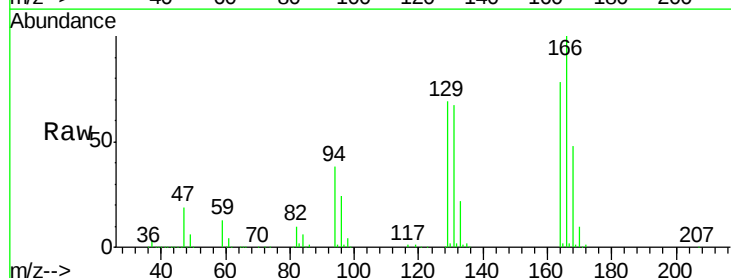
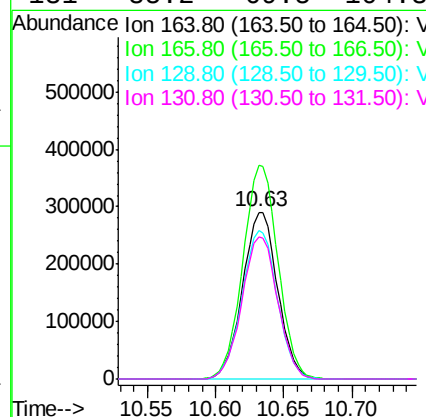
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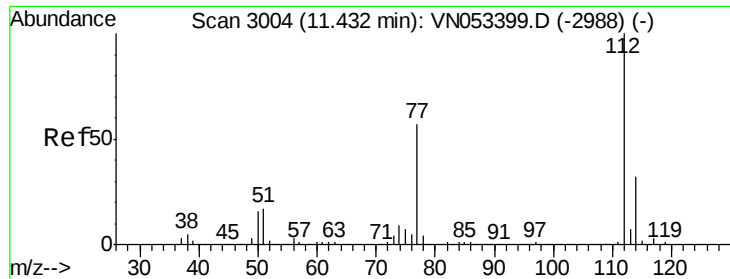
MMDadoda
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#64
Tetrachloroethene
Concen: 49.405 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	88.8	72.6	109.0
131	85.2	69.5	104.3





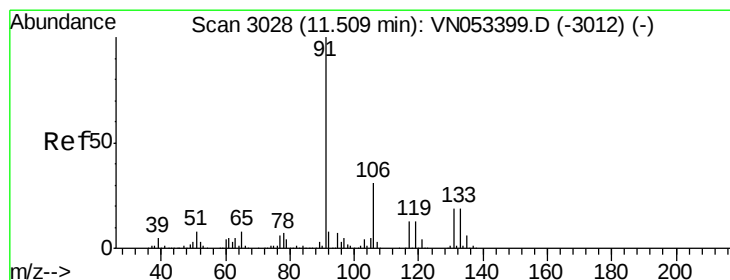
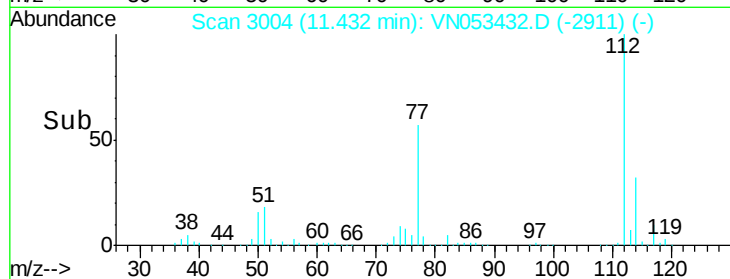
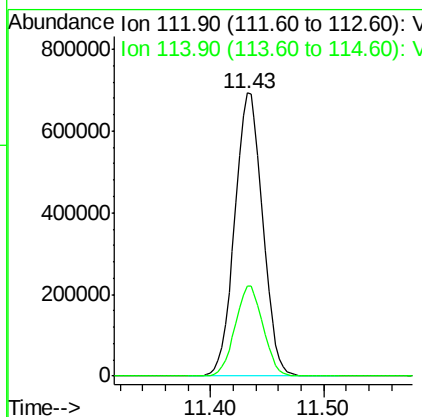
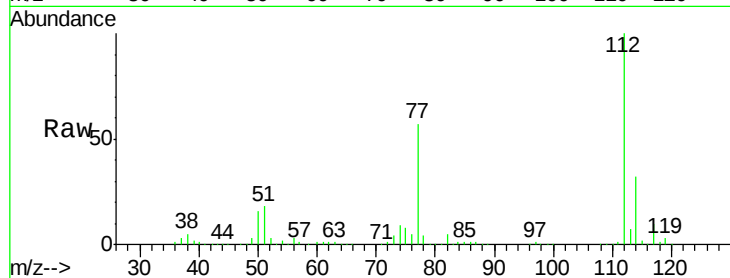
#65
Chlorobenzene
Concen: 50.726 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1191296
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

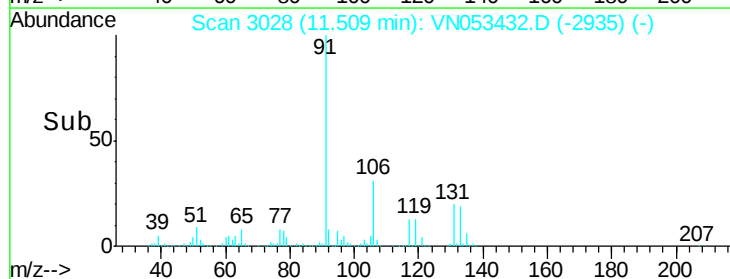
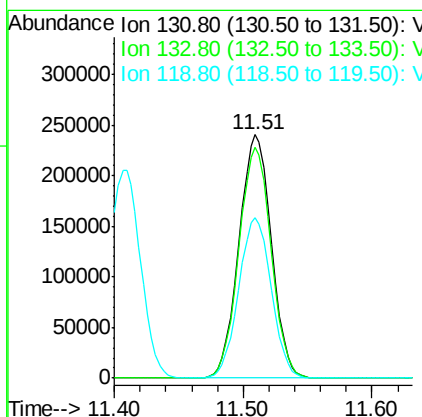
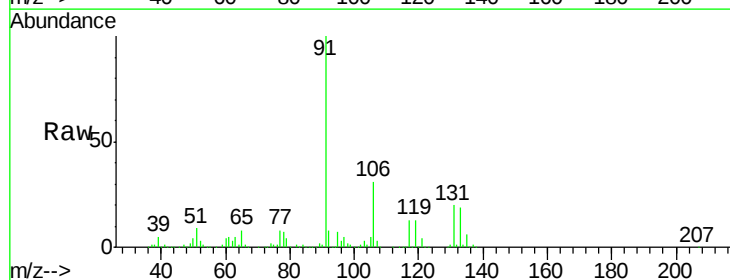
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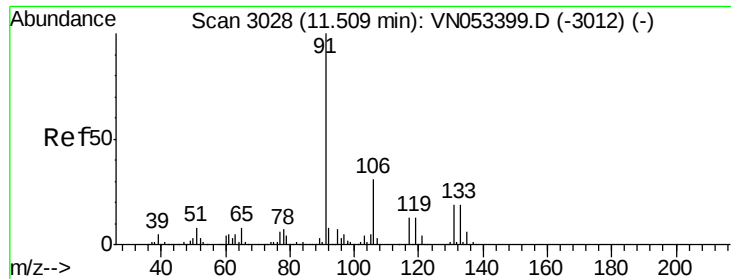
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.302 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion:131 Resp: 419141
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 66.3 33.5 100.5





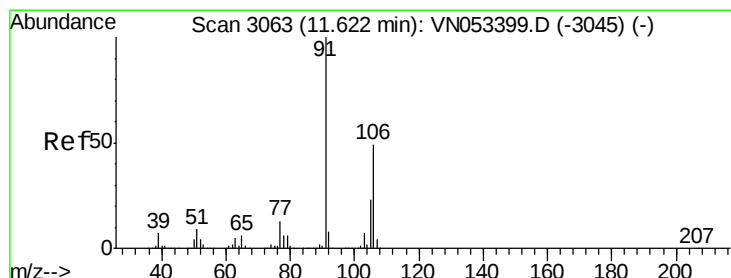
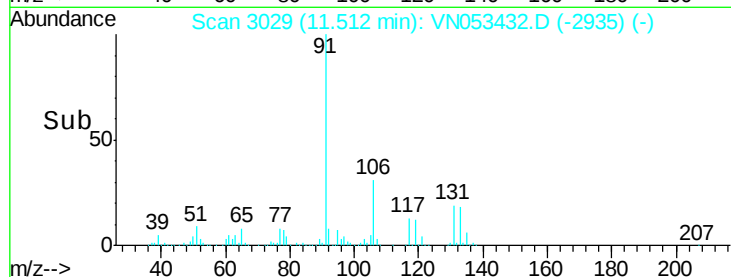
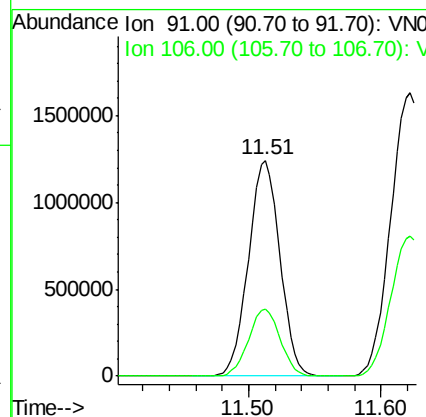
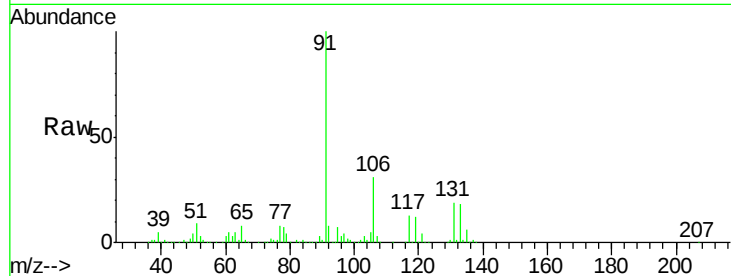
#67
Ethyl Benzene
Concen: 51.176 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2048292
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

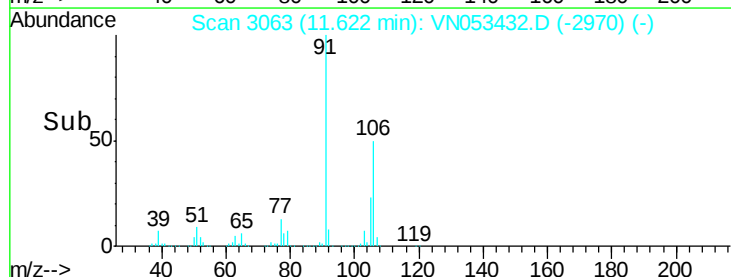
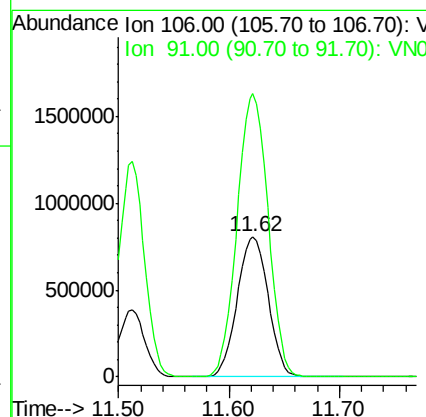
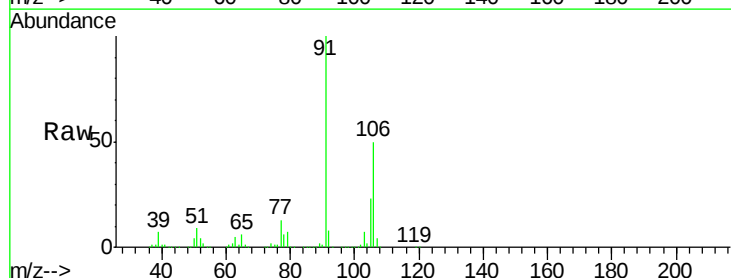
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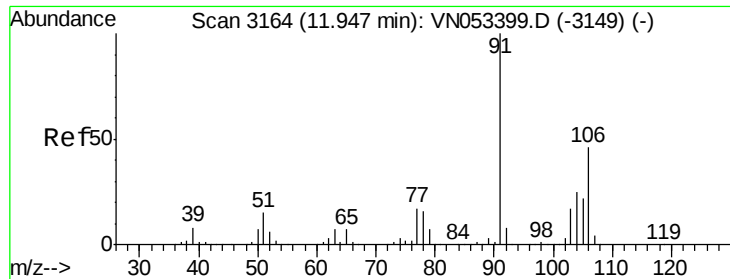
MMDadoda
1/17/2019 9:41:27 AM



#68
m/p-Xylenes
Concen: 103.765 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 106 Resp: 1568031
Ion Ratio Lower Upper
106 100
91 202.1 161.4 242.2





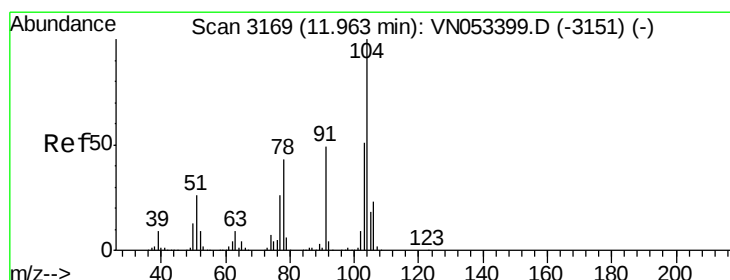
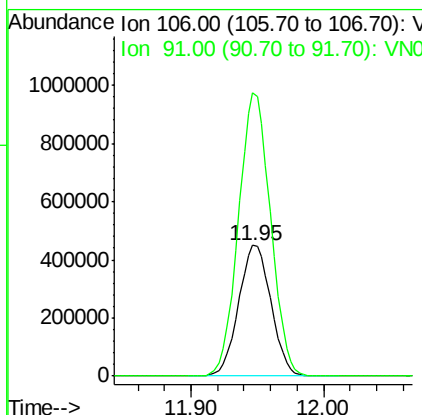
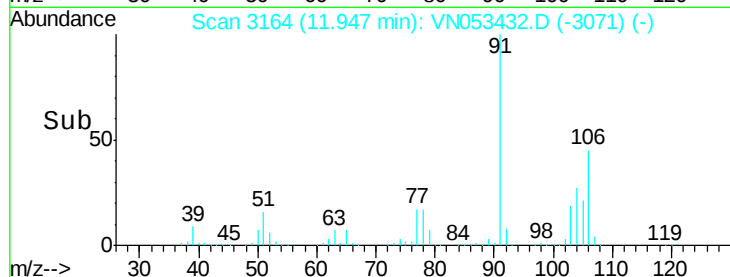
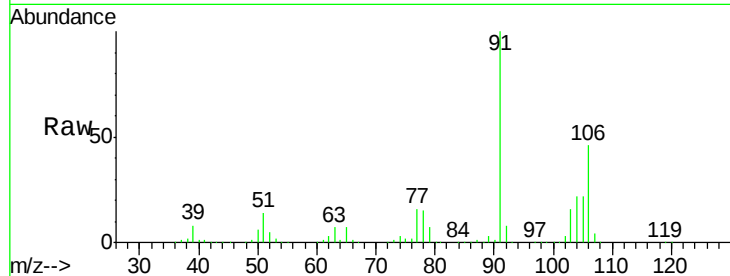
#69
o-Xylene
Concen: 51.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 762187
Ion Ratio Lower Upper
106 100
91 214.7 106.9 320.8

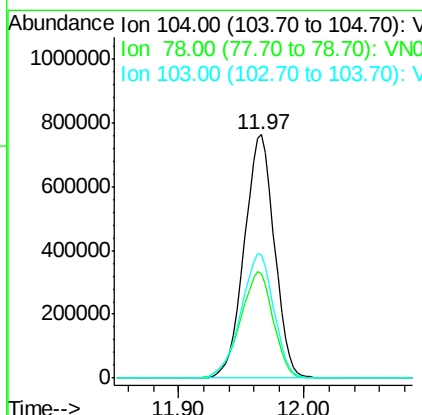
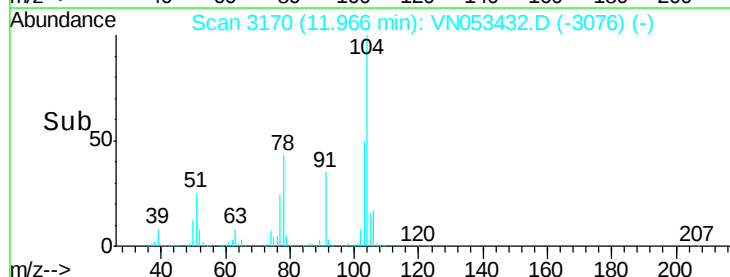
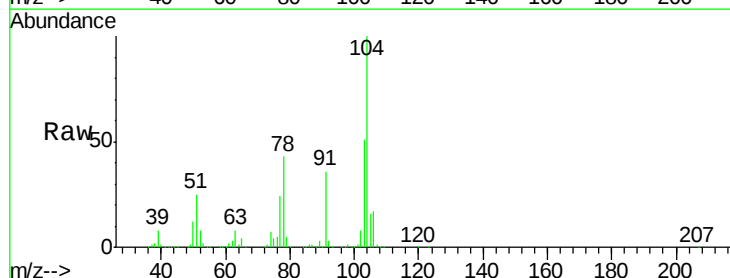
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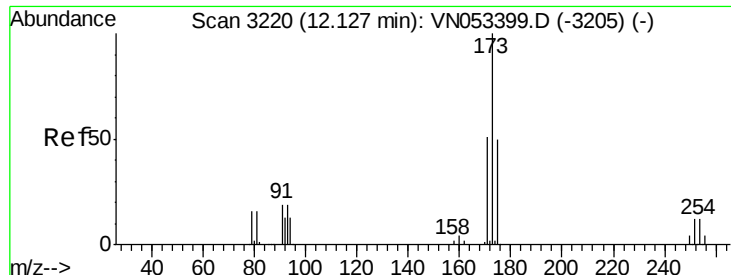
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#70
Styrene
Concen: 53.479 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion:104 Resp: 1274467
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.7 44.4 66.6





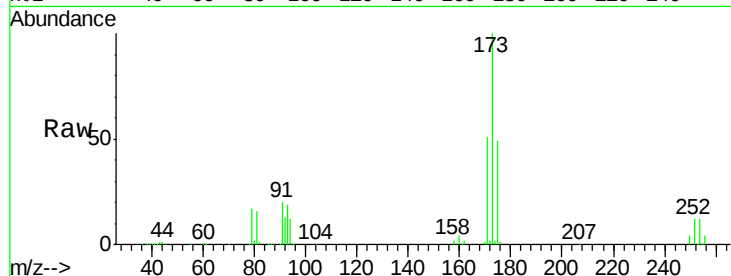
#71
Bromoform
Concen: 55.840 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.1	0.2	0.2

Manual Integrations
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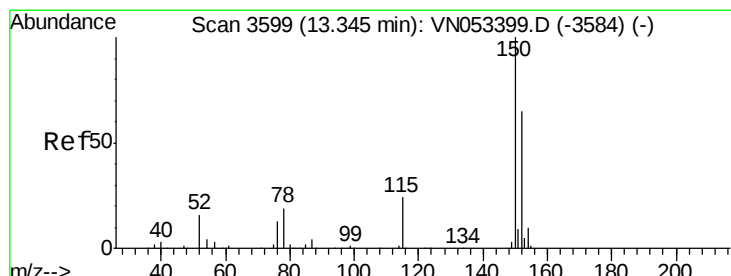
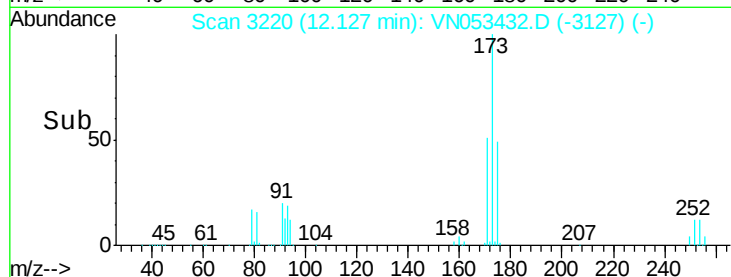
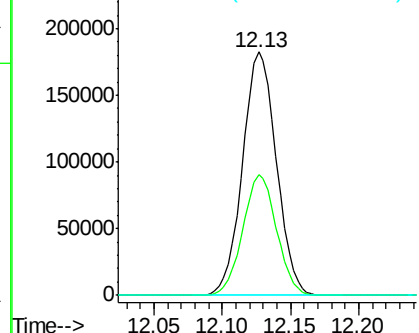


Abundance

Ion 172.70 (172.40 to 173.40): V

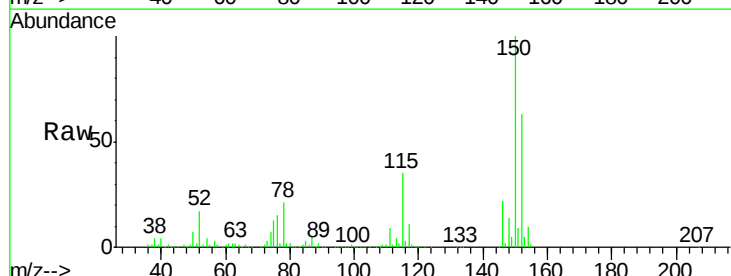
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	173.3	0.0	349.0

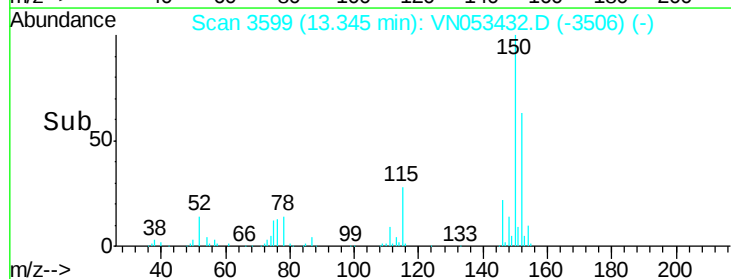
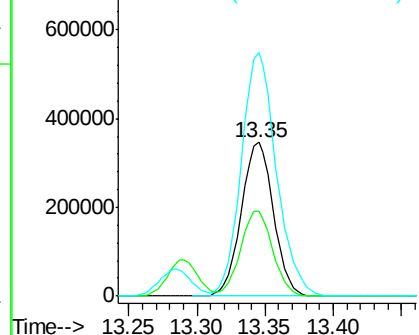


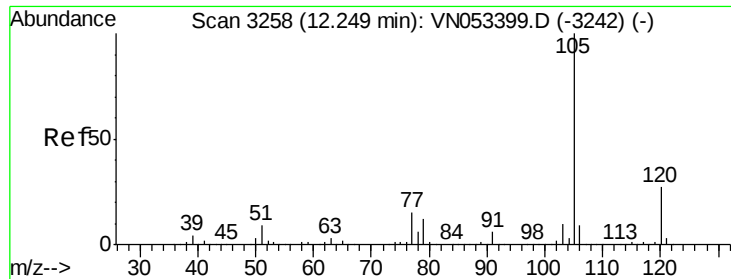
Abundance

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: 49.448 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2044567

Ion Ratio Lower Upper

105 100

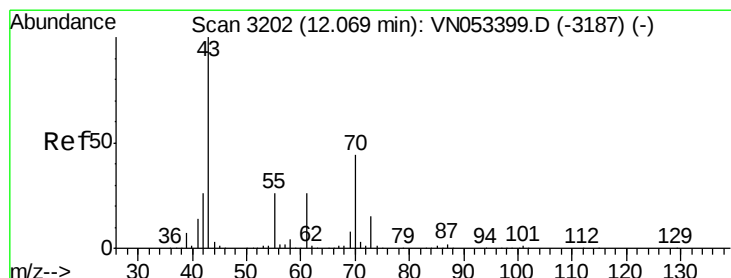
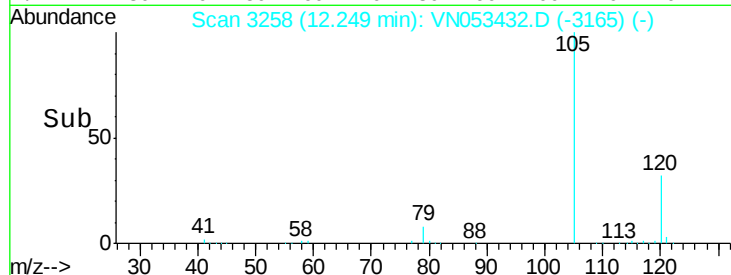
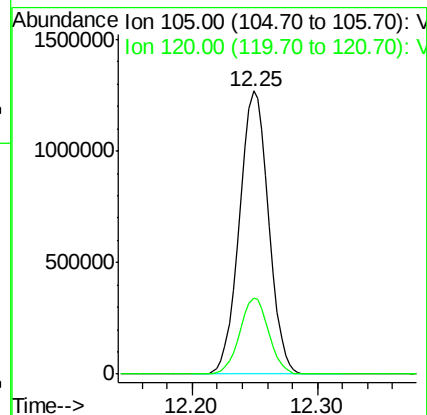
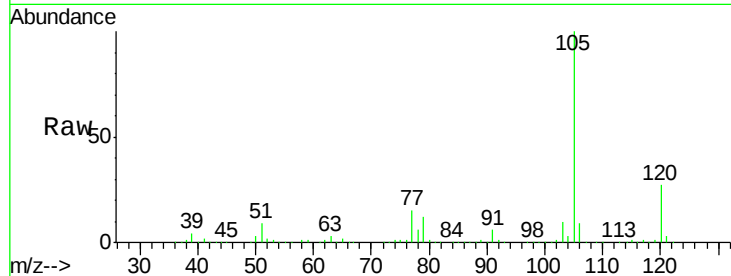
120 26.7 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.054 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion: 43 Resp: 617852

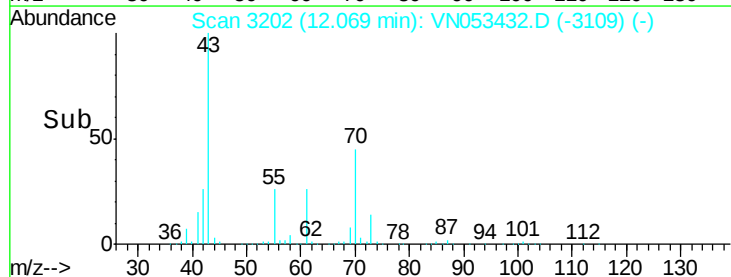
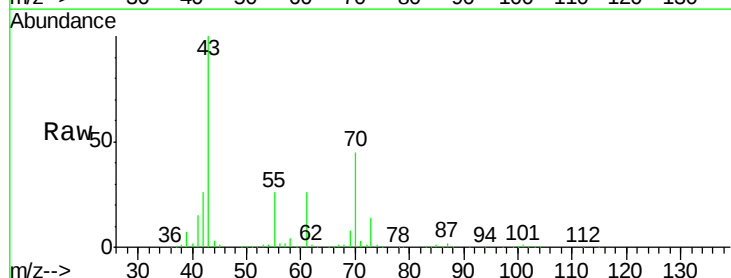
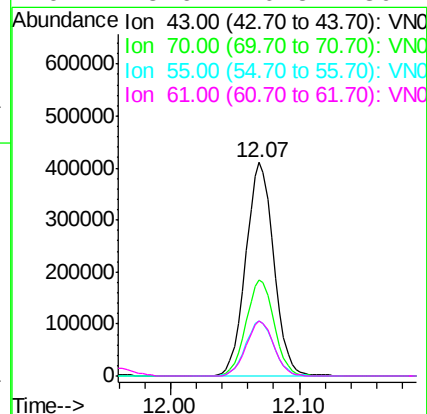
Ion Ratio Lower Upper

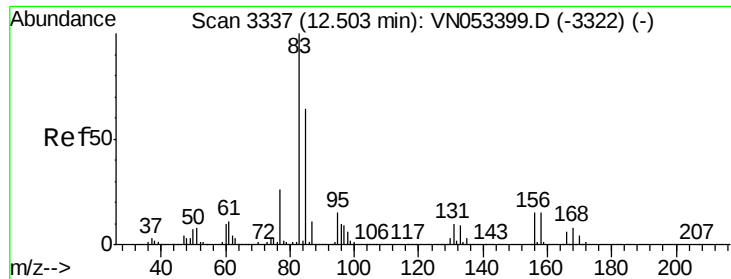
43 100

70 45.3 35.4 53.2

55 26.2 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.715 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

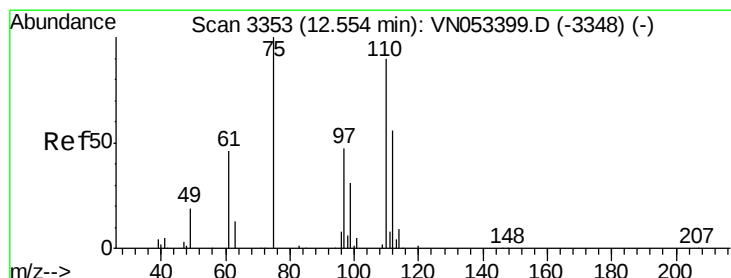
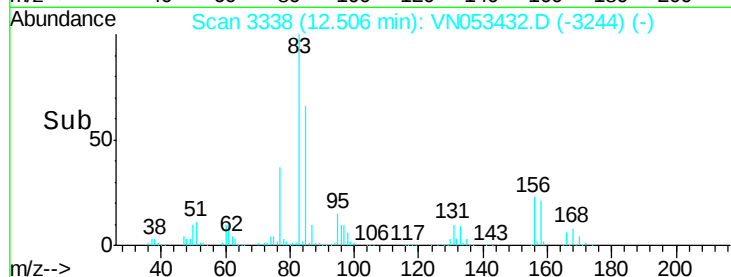
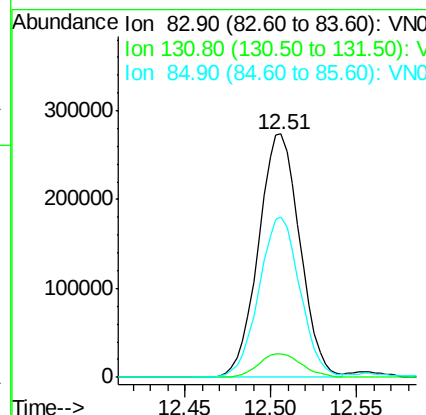
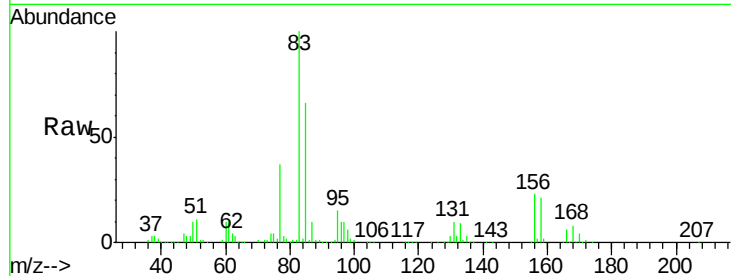
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	457134
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	65.1	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.478 ug/l m

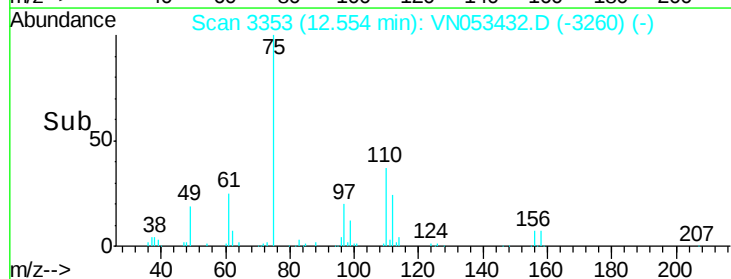
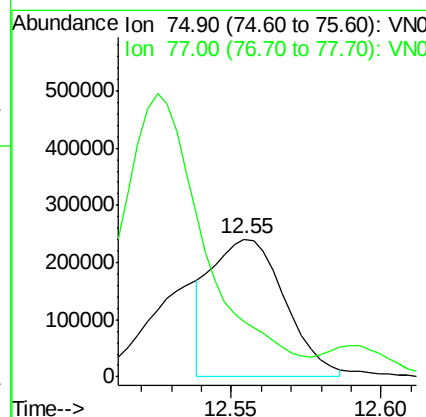
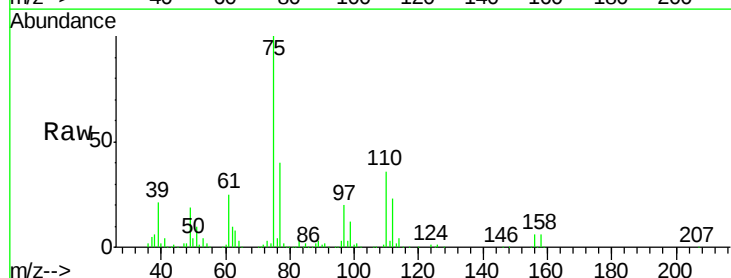
RT: 12.55 min Scan# 3353

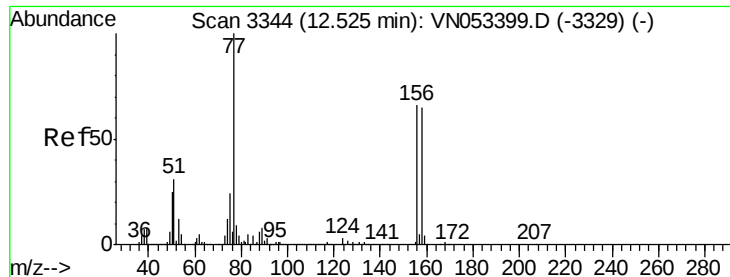
Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion:	75	Resp:	412795
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





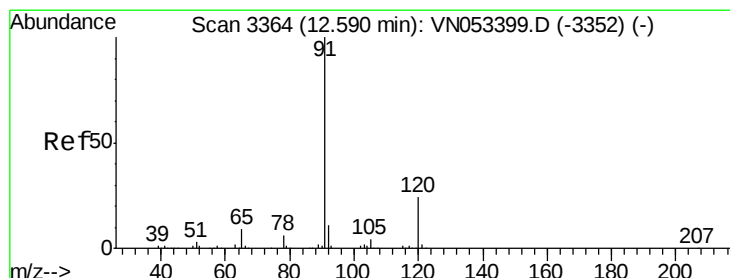
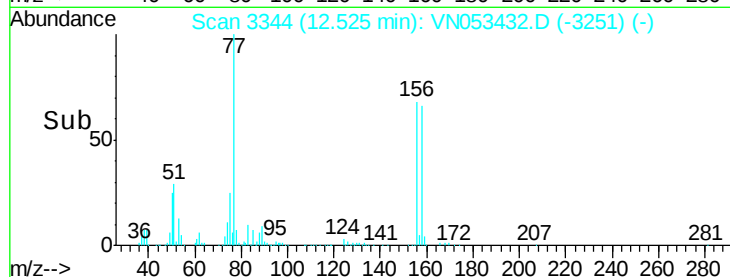
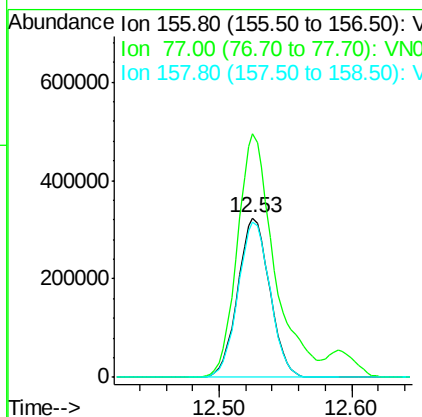
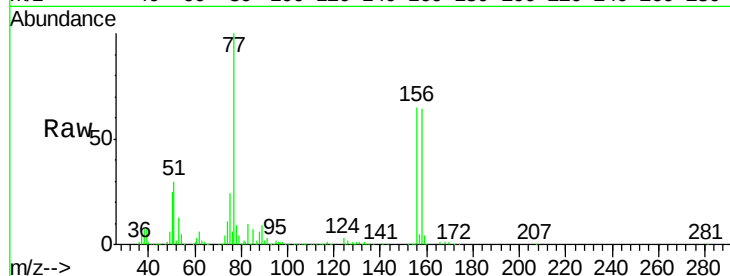
#77
Bromobenzene
Concen: 49.619 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.7	87.9	263.8
158	97.6	48.8	146.4

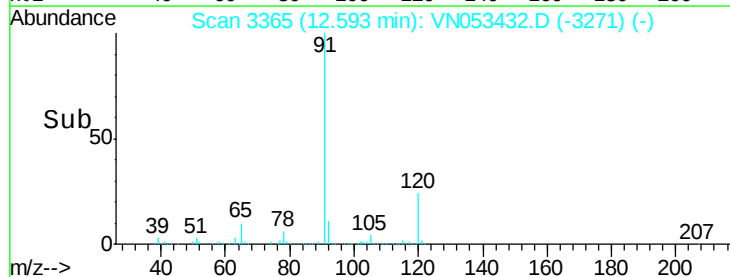
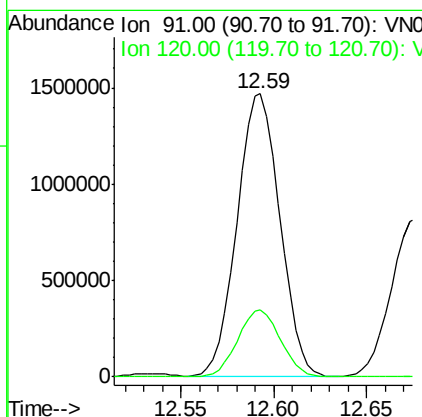
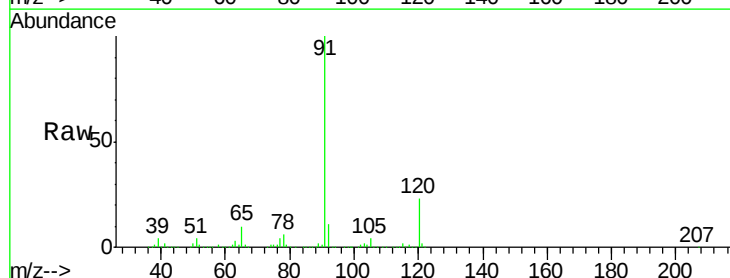
Manual Integrations
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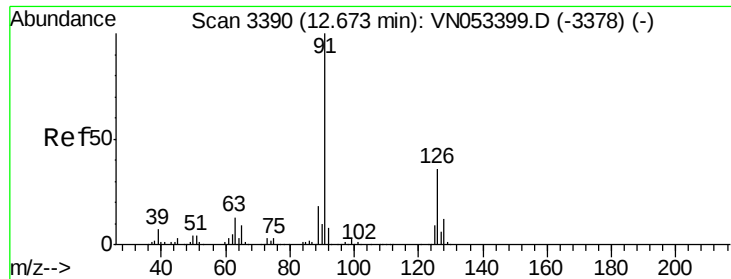
MMDadoda
1/17/2019 9:41:27 AM



#78
n-propylbenzene
Concen: 49.655 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 48.869 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1374822

Ion Ratio Lower Upper

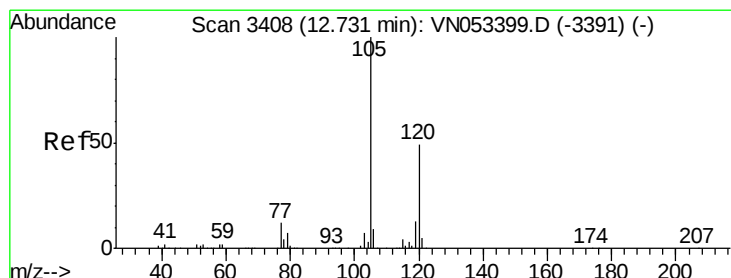
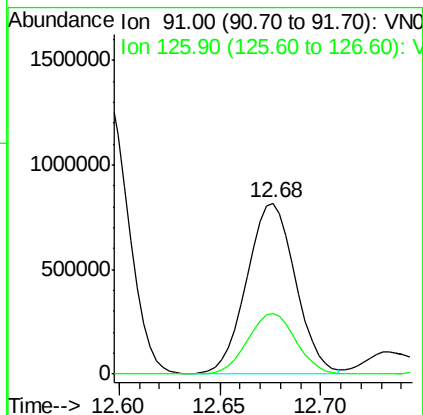
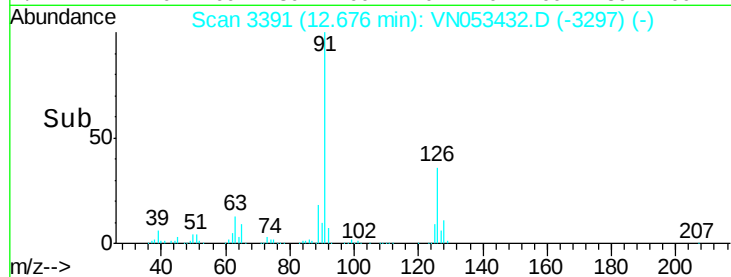
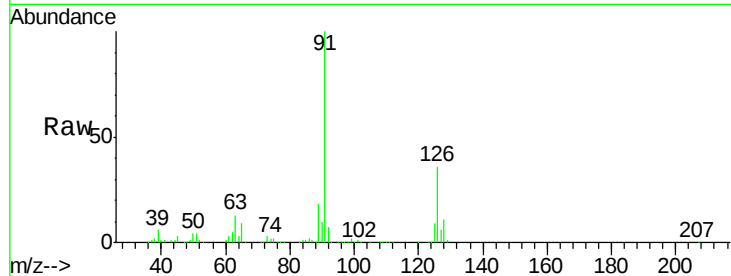
91 100

126 35.4 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.288 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053432.D

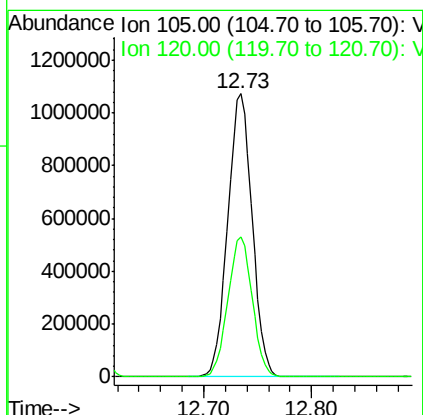
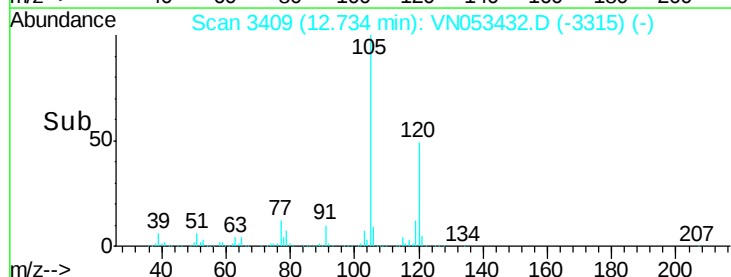
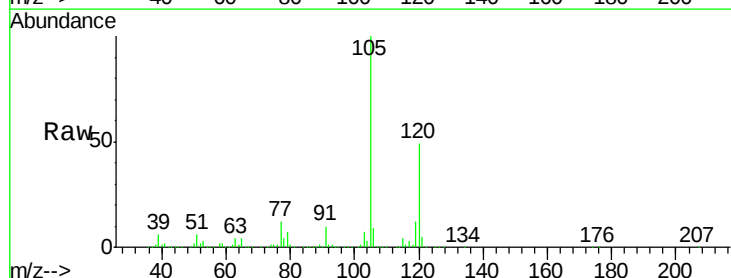
Acq: 16 Jan 2019 18:22

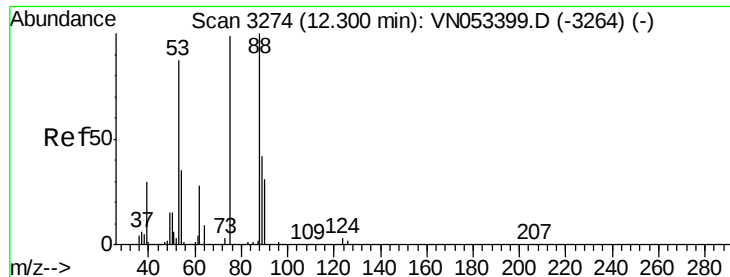
Tgt Ion: 105 Resp: 1691758

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.665 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 145968

Ion Ratio Lower Upper

75 100

53 88.6 69.8 104.6

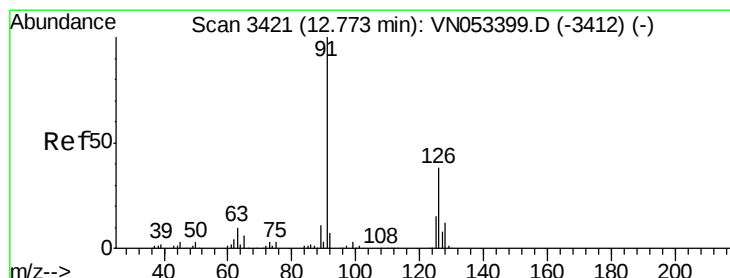
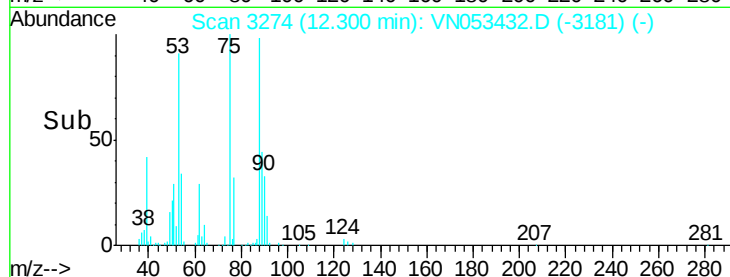
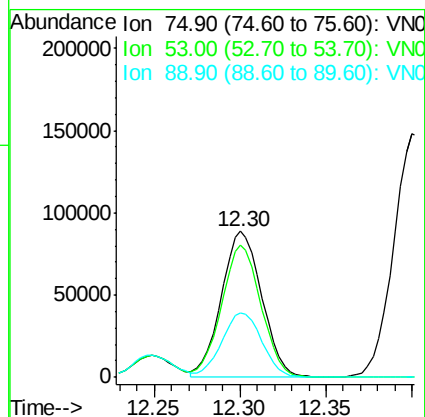
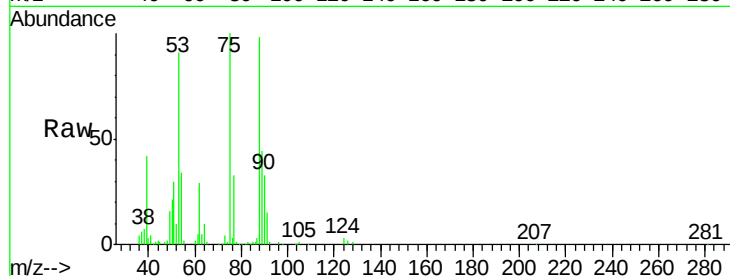
89 44.1 35.6 53.4

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#82

4-Chlorotoluene

Concen: 49.646 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053432.D

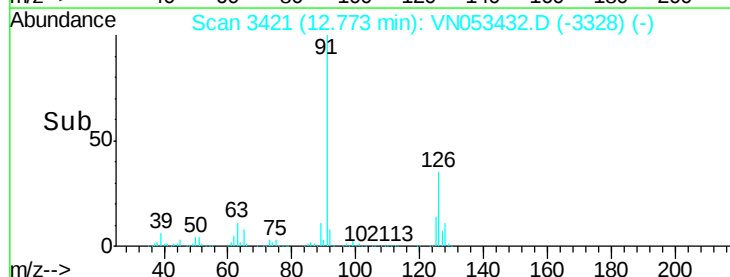
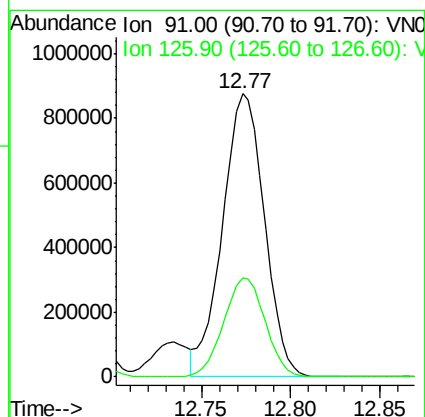
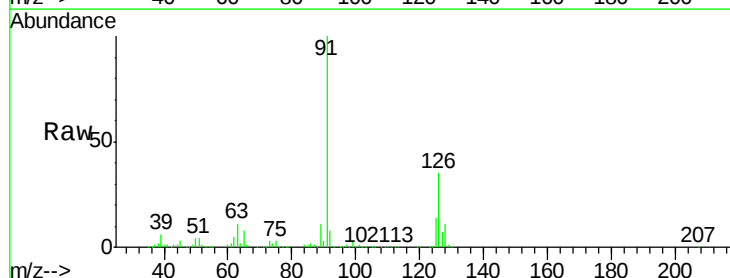
Acq: 16 Jan 2019 18:22

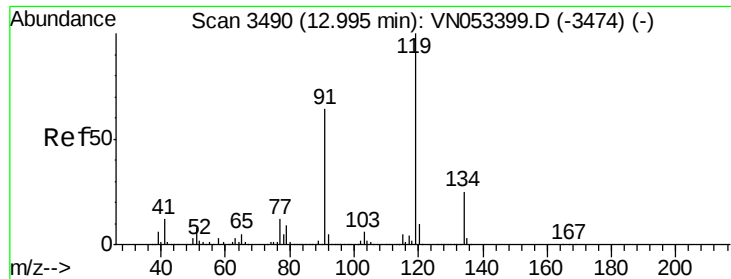
Tgt Ion: 91 Resp: 1424327

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9





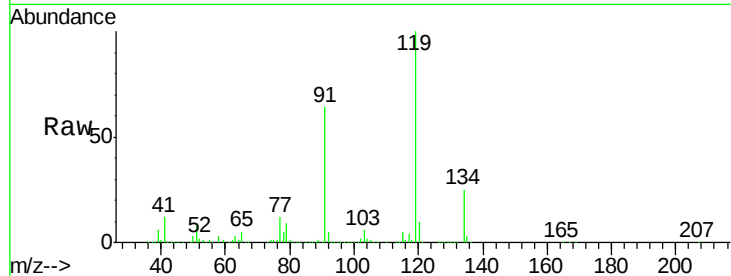
#83
 tert-Butylbenzene
 Concen: 49.715 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

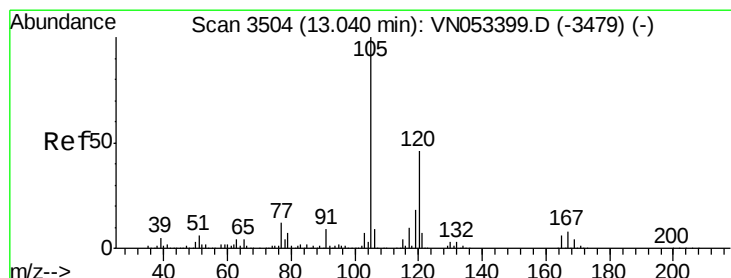
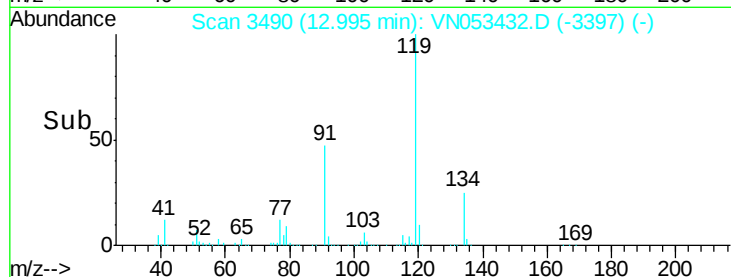
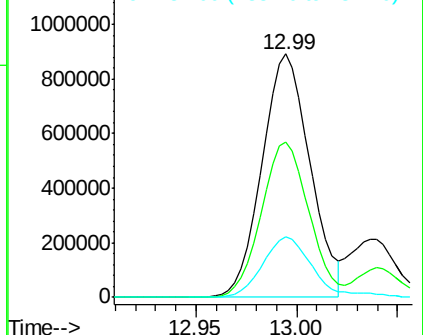
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.3	93.8
134	26.0	12.9	38.7

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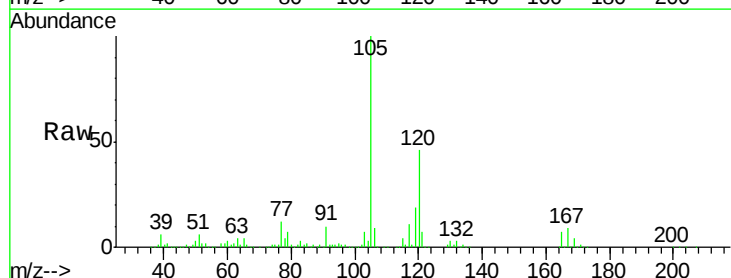


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

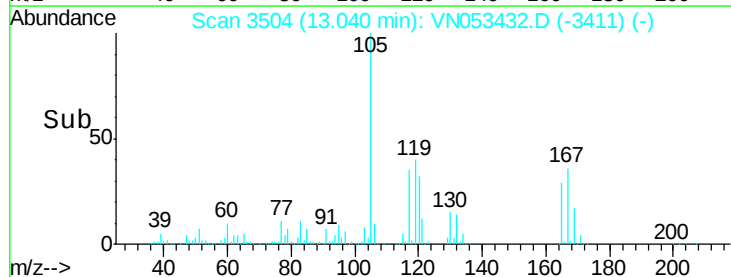
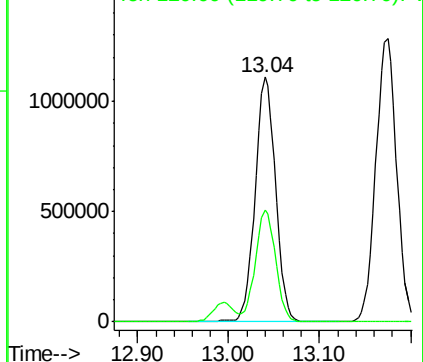


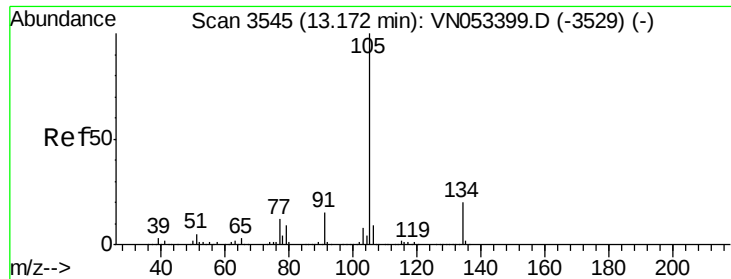
#84
 1,2,4-Trimethylbenzene
 Concen: 50.957 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.910 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2033832

Ion Ratio Lower Upper

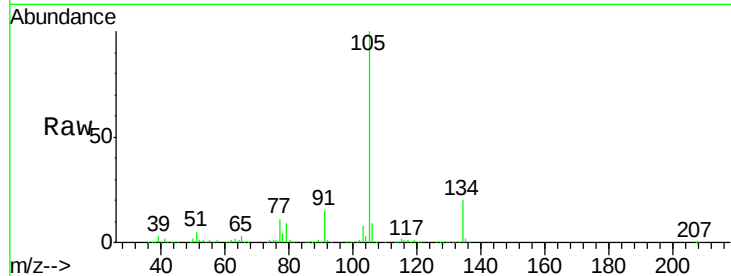
105 100

134 20.3 10.2 30.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

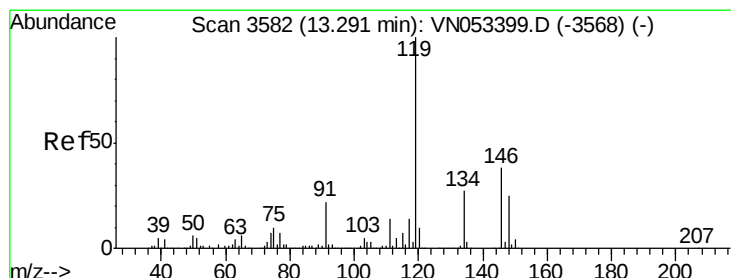
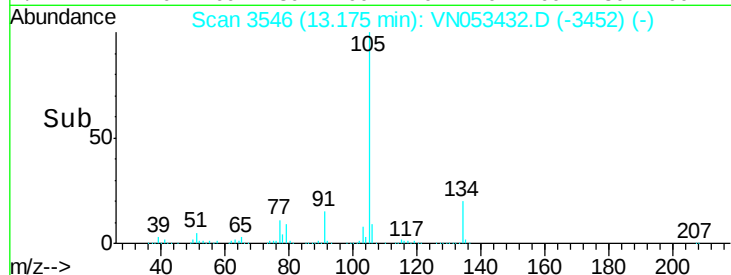
1000000

500000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 50.504 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

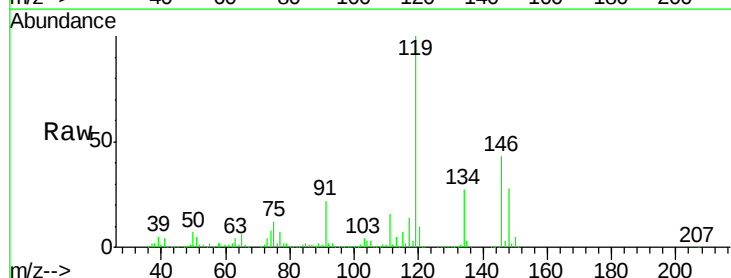
Tgt Ion:119 Resp: 1786961

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

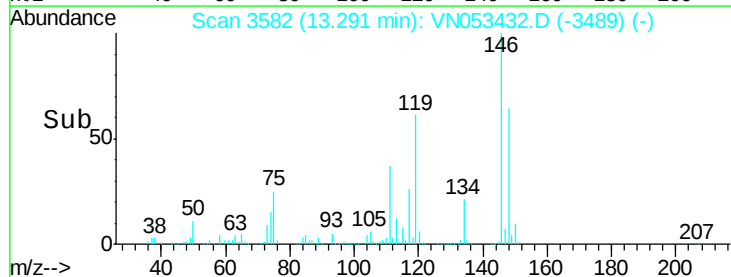
1000000

500000

0

13.20 13.25 13.30 13.35

Time-->





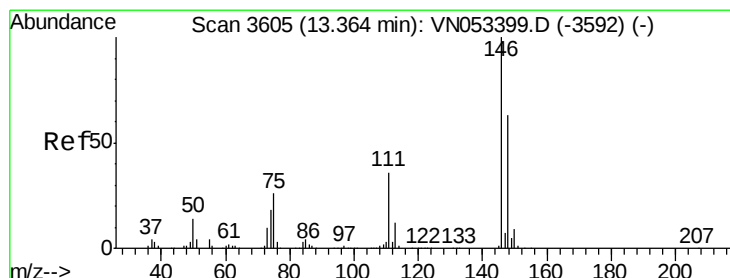
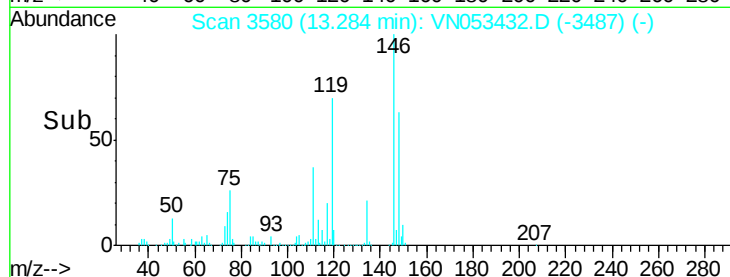
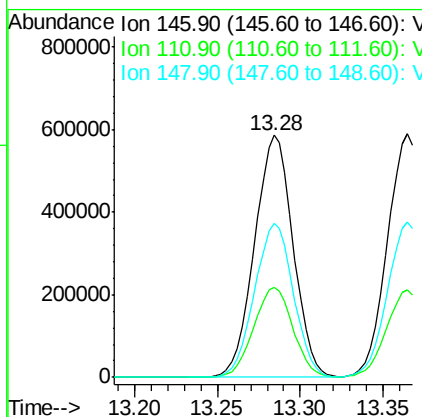
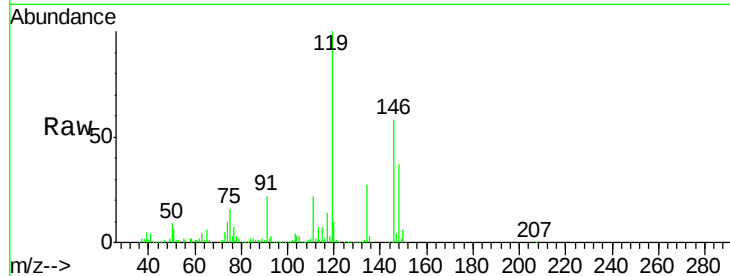
#87
 1,3-Dichlorobenzene
 Concen: 49.640 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.7	18.8	56.3	
148	64.1	32.0	96.2	

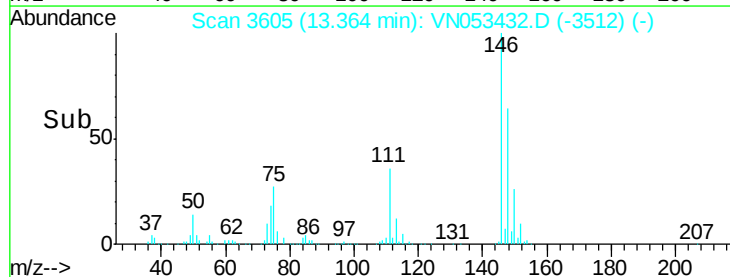
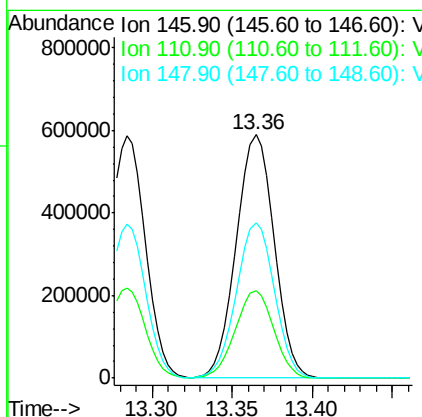
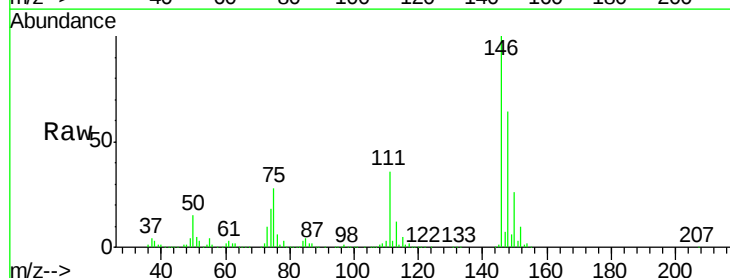
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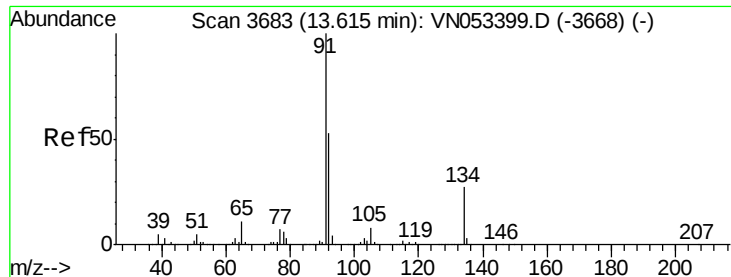
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#88
 1,4-Dichlorobenzene
 Concen: 49.546 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.4	18.6	55.8	
148	64.2	32.4	97.0	





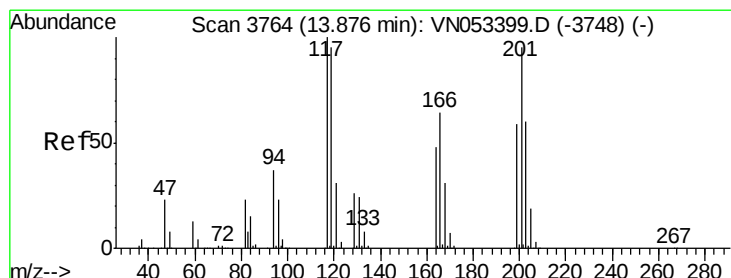
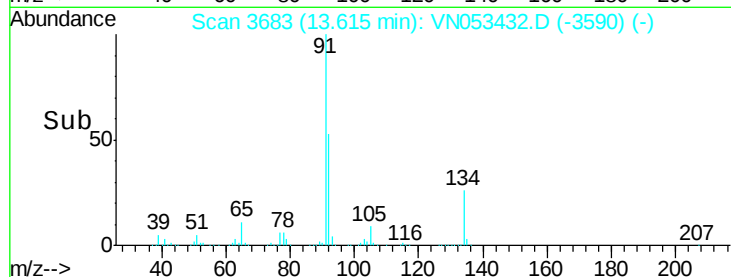
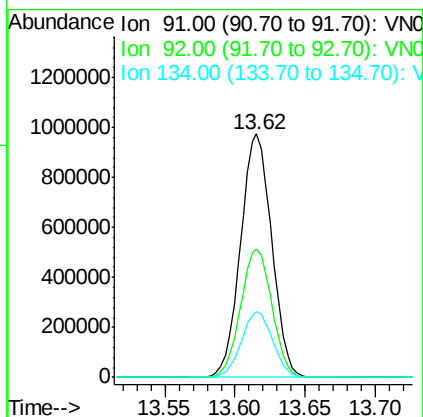
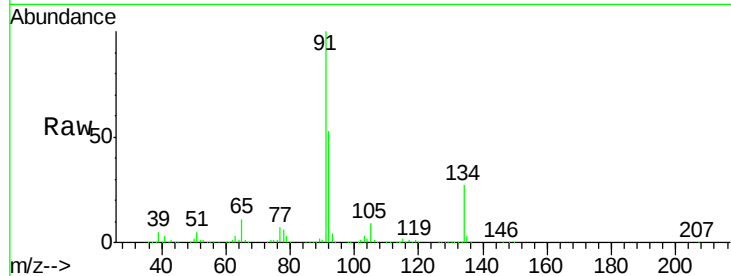
#89
n-Butylbenzene
Concen: 50.007 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1508230
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.8
134 27.1 13.5 40.5

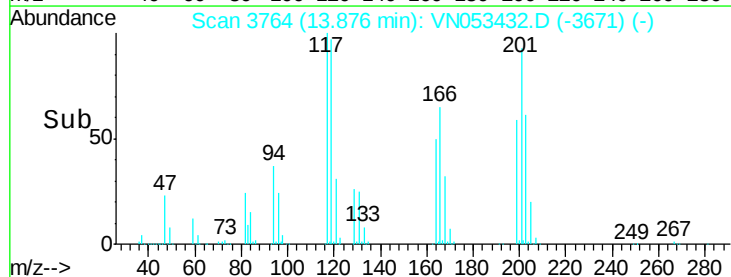
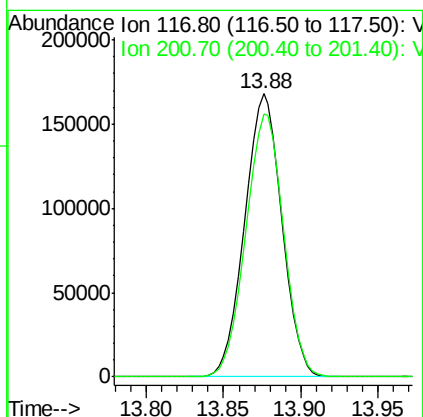
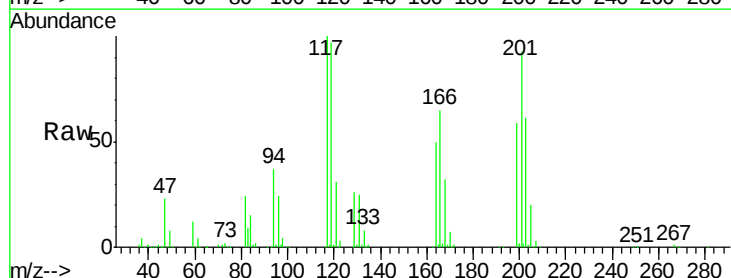
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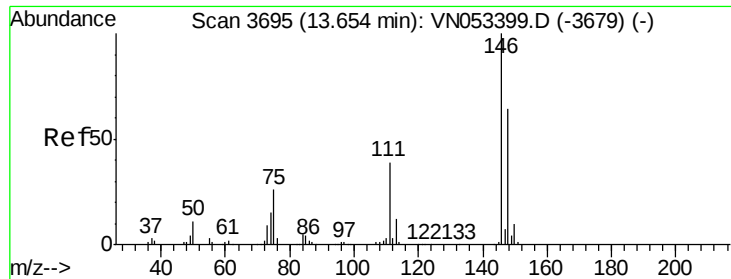
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#90
Hexachloroethane
Concen: 50.710 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 117 Resp: 281397
Ion Ratio Lower Upper
117 100
201 94.1 46.8 140.4





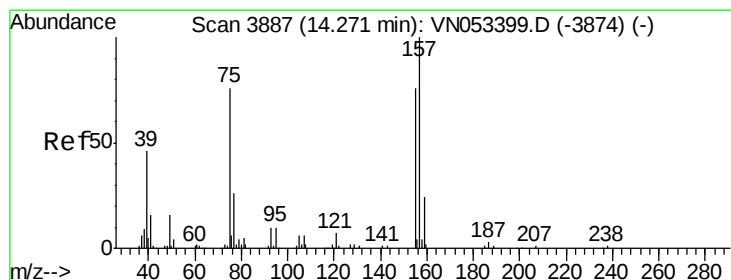
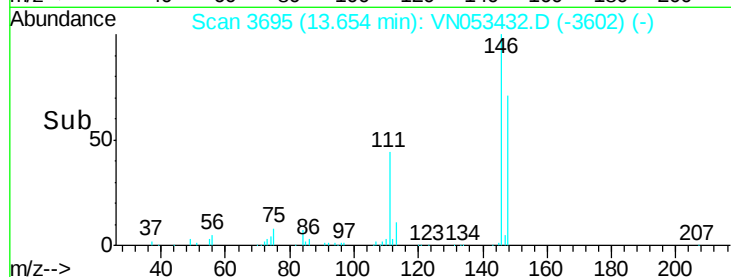
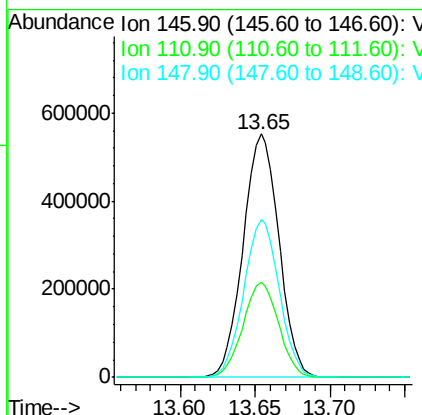
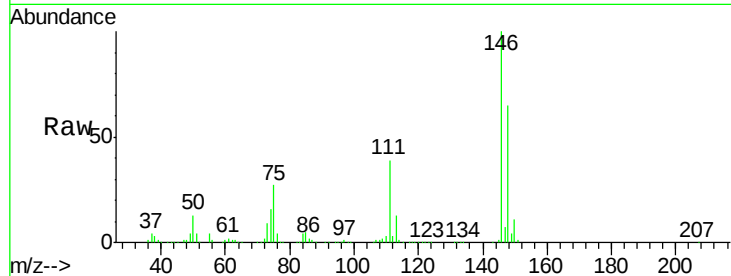
#91
 1,2-Dichlorobenzene
 Concen: 52.232 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.3	31.9	95.9

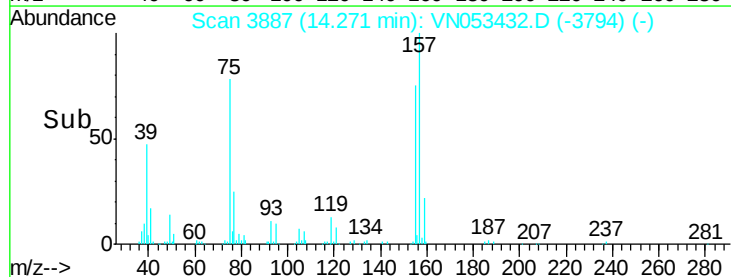
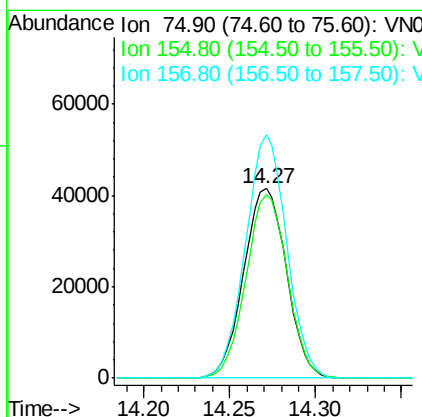
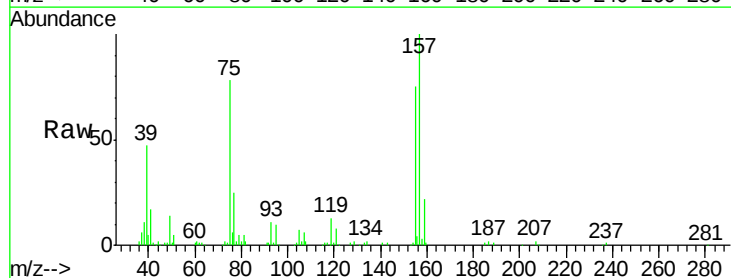
Manual Integrations
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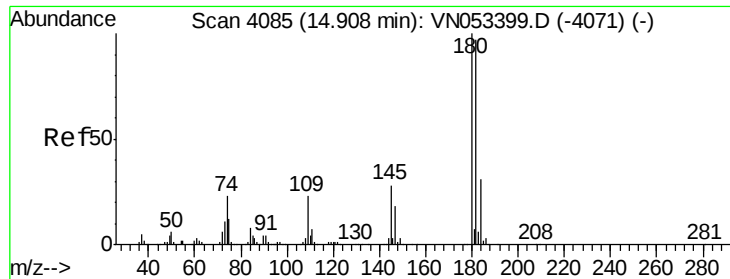
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.094 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	48.9	146.7
157	123.5	63.7	191.3





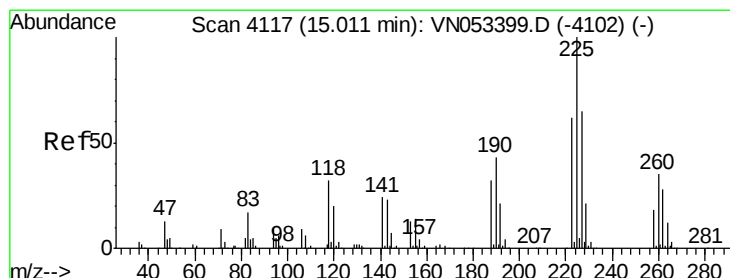
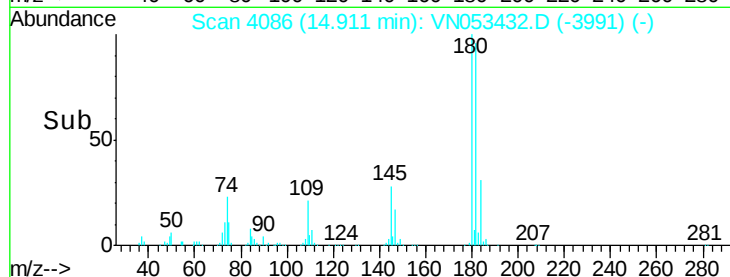
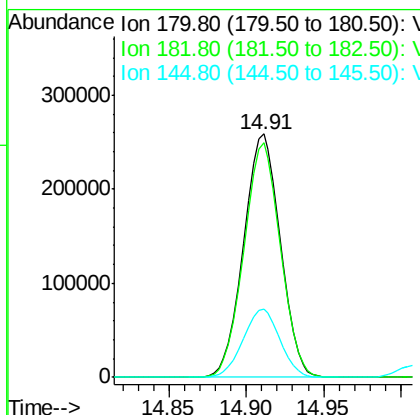
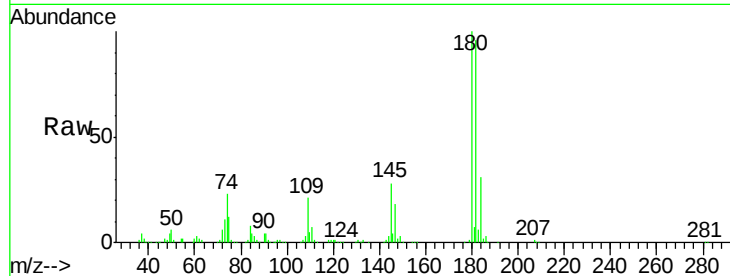
#93
 1,2,4-Trichlorobenzene
 Concen: 54.718 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	427835		
182	95.9	48.1	144.3	
145	28.2	13.9	41.6	

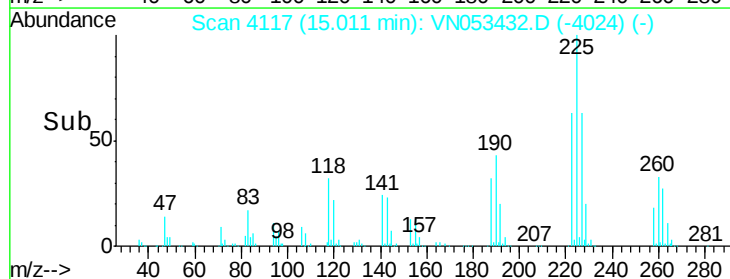
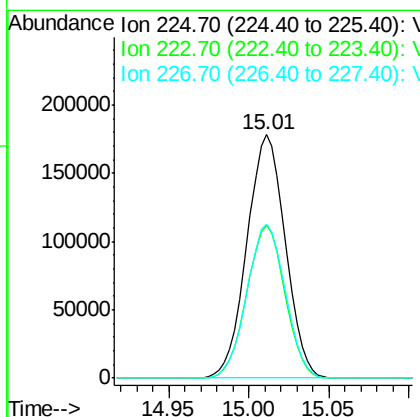
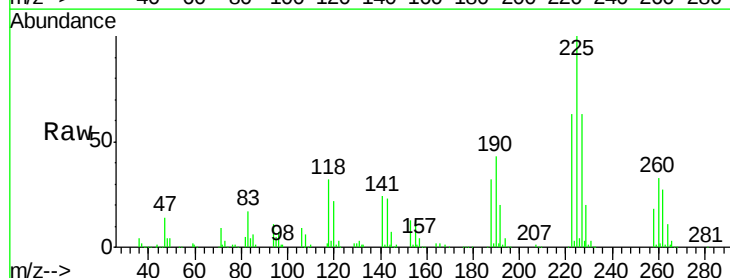
Manual Integrations
 APPROVED

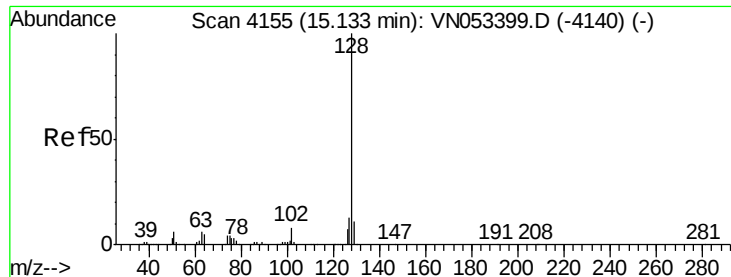
MMDadoda
 1/17/2019 9:41:27 AM



#94
 Hexachlorobutadiene
 Concen: 53.150 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	292334		
223	62.2	31.1	93.2	
227	63.5	32.0	96.2	





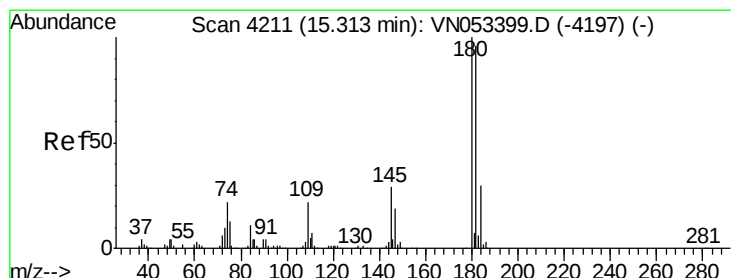
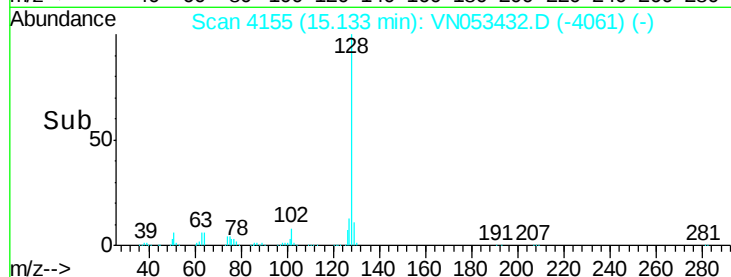
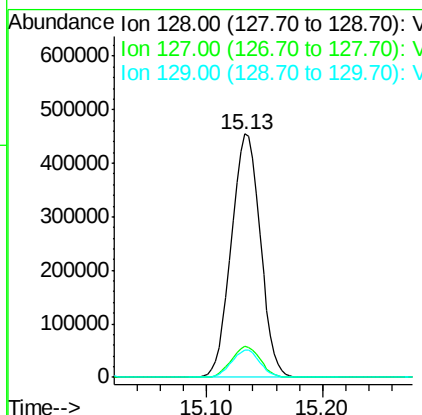
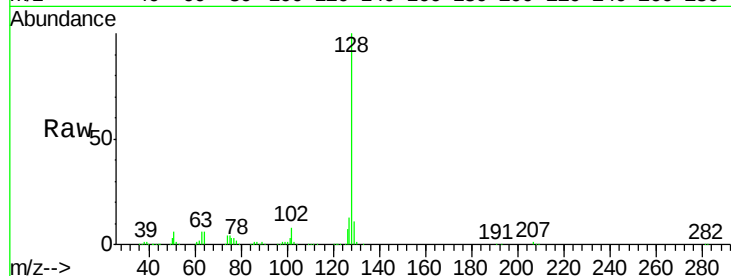
#95
Naphthalene
Concen: 56.860 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.892 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.8
145	29.5	14.7	44.1

