

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053746.D
 Acq On : 13 Feb 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:39:02 AM

Quant Time: Feb 14 00:32:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	947760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360366	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	346405	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.09	98	1285410	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	449505	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388482	47.447	ug/l	100
3) Chloromethane	2.06	50	408226	47.329	ug/l	99
4) Vinyl Chloride	2.19	62	430744	51.445	ug/l	99
5) Bromomethane	2.57	94	290990	53.152	ug/l	99
6) Chloroethane	2.71	64	267848	55.979	ug/l	98
7) Trichlorofluoromethane	3.02	101	596076	52.498	ug/l	99
8) Diethyl Ether	3.41	74	208433	50.265	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	369666	52.643	ug/l	98
10) Methyl Iodide	3.96	142	523394	47.487	ug/l	100
11) Tert butyl alcohol	4.78	59	114061	264.428	ug/l	99
12) 1,1-Dichloroethene	3.74	96	331646	49.295	ug/l	98
13) Acrolein	3.61	56	56886	242.221	ug/l	99
14) Allyl chloride	4.33	41	521116	48.647	ug/l	99
15) Acrylonitrile	4.99	53	626773	269.158	ug/l	99
16) Acetone	3.81	43	598677	320.232	ug/l	100
17) Carbon Disulfide	4.06	76	933212	44.547	ug/l	100
18) Methyl Acetate	4.32	43	312593	56.459	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	908004	53.239	ug/l	99
20) Methylene Chloride	4.55	84	381234	48.606	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	356725	49.147	ug/l	97
22) Diisopropyl ether	5.95	45	1062535	53.532	ug/l	99
23) Vinyl Acetate	5.90	43	3574717	260.339	ug/l	98
24) 1,1-Dichloroethane	5.85	63	664063	50.160	ug/l	99
25) 2-Butanone	6.83	43	739350	277.291	ug/l	99
26) 2,2-Dichloropropane	6.82	77	511883	50.651	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	413704	51.258	ug/l	98
28) Bromochloromethane	7.19	49	287841	50.102	ug/l	96
29) Tetrahydrofuran	7.21	42	461032	269.273	ug/l	98
30) Chloroform	7.37	83	668394	50.930	ug/l	100
31) Cyclohexane	7.65	56	587032	47.617	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	567074	51.922	ug/l	98
36) 1,1-Dichloropropene	7.79	75	512422	55.218	ug/l	99
37) Ethyl Acetate	6.93	43	295053	56.929	ug/l	99
38) Carbon Tetrachloride	7.78	117	509378	54.488	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	608614	55.280	ug/l	98
40) Benzene	8.04	78	1518858	53.076	ug/l	99
41) Methacrylonitrile	7.17	41	179449	61.950	ug/l	98
42) 1,2-Dichloroethane	8.12	62	456399	53.713	ug/l	99
43) Isopropyl Acetate	8.16	43	532706	53.222	ug/l	99
44) Trichloroethene	8.83	130	434393	53.319	ug/l	99
45) 1,2-Dichloropropane	9.12	63	403086	55.071	ug/l	99
46) Dibromomethane	9.21	93	238799	54.122	ug/l	96
47) Bromodichloromethane	9.40	83	514182	56.048	ug/l	98
48) Methyl methacrylate	9.20	41	254496	53.266	ug/l	91
49) 1,4-Dioxane	9.20	88	76739	1104.216	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1453492	295.513	ug/l	100
52) Toluene	10.16	92	936650	55.149	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	518092	56.398	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	603748	55.462	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	355040	58.013	ug/l	99
56) Ethyl methacrylate	10.43	69	419732	57.974	ug/l	98
57) 1,3-Dichloropropane	10.71	76	578975	55.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	994270	222.354	ug/l	98
59) 2-Hexanone	10.75	43	973534	291.560	ug/l	99
60) Dibromochloromethane	10.90	129	402173	58.274	ug/l	99
61) 1,2-Dibromoethane	11.01	107	334655	55.247	ug/l	100
64) Tetrachloroethene	10.63	164	430709	53.014	ug/l	98
65) Chlorobenzene	11.43	112	1123320	55.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	416197	59.197	ug/l	99
67) Ethyl Benzene	11.51	91	1871071	56.580	ug/l	99
68) m/p-Xylenes	11.62	106	1438834	113.999	ug/l	99
69) o-Xylene	11.95	106	709805	58.211	ug/l	98
70) Styrene	11.96	104	1167288	59.063	ug/l	100
71) Bromoform	12.13	173	293026	60.793	ug/l	99
73) Isopropylbenzene	12.25	105	1799498	51.601	ug/l	100
74) N-amyl acetate	12.07	43	443520	52.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	432661	51.841	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	355631m	55.814	ug/l	
77) Bromobenzene	12.53	156	490111	52.148	ug/l	98
78) n-propylbenzene	12.59	91	2149244	53.313	ug/l	100
79) 2-Chlorotoluene	12.68	91	1239781	51.836	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1568519	54.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115593	51.013	ug/l	98
82) 4-Chlorotoluene	12.77	91	1289751	52.552	ug/l	99
83) tert-Butylbenzene	12.99	119	1358574	53.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1602909	54.405	ug/l	100
85) sec-Butylbenzene	13.17	105	1985199	57.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	1754225	57.670	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	909968	53.859	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	900415	53.876	ug/l	98
89) n-Butylbenzene	13.62	91	1508391	57.290	ug/l	100
90) Hexachloroethane	13.88	117	291597	58.117	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	878767	54.330	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65241	54.850	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	502695	54.189	ug/l	99
94) Hexachlorobutadiene	15.01	225	326394	56.498	ug/l	100
95) Naphthalene	15.13	128	994967	45.809	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	466976	54.252	ug/l	100

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

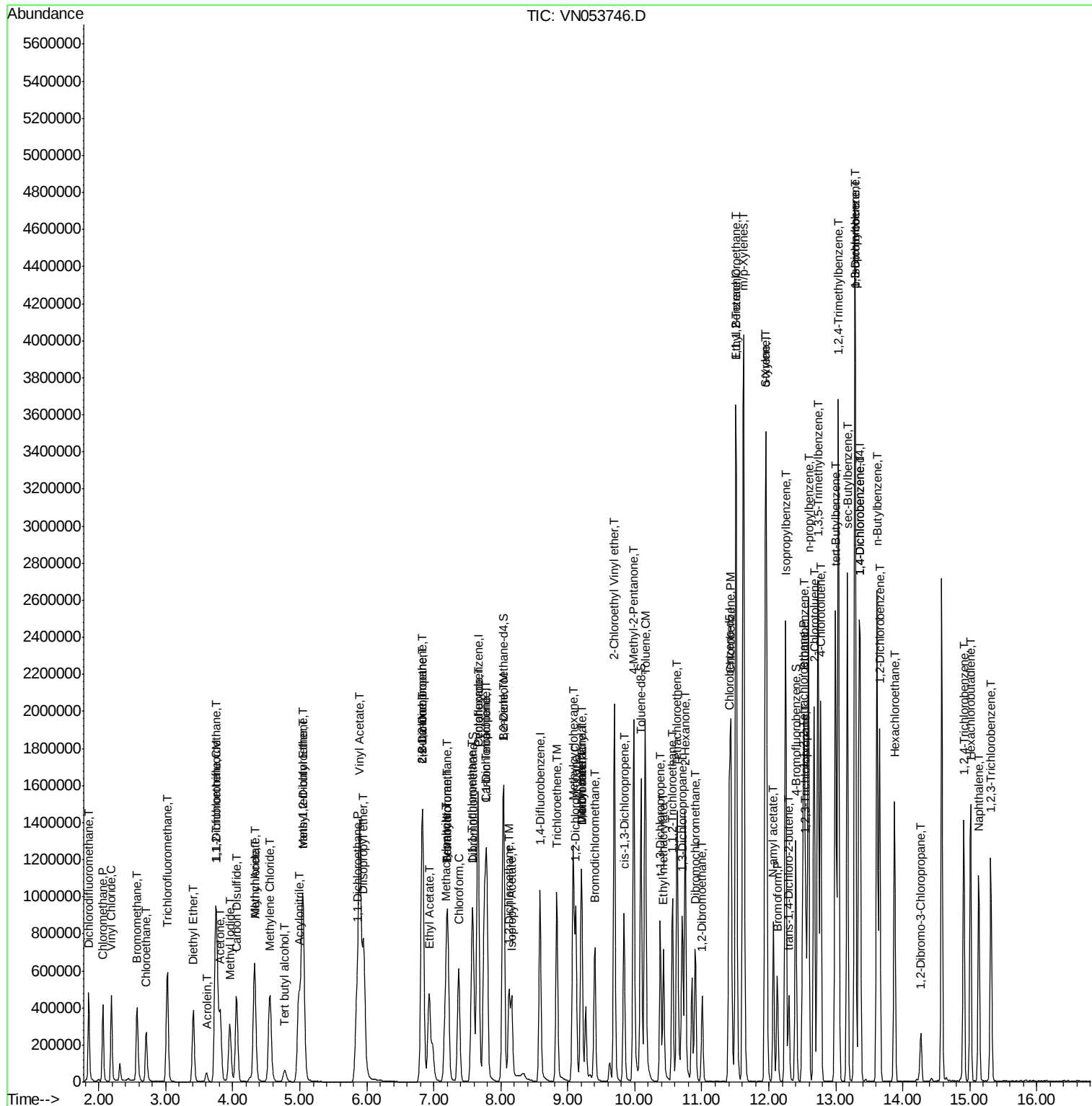
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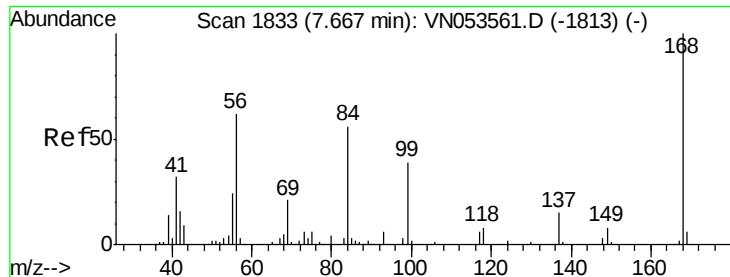
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 726527

Ion Ratio Lower Upper

168 100

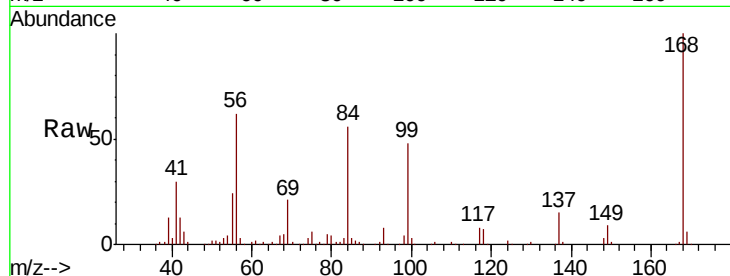
99 47.2 39.1 58.7

Manual Integrations

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2/14/2019 10:39:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

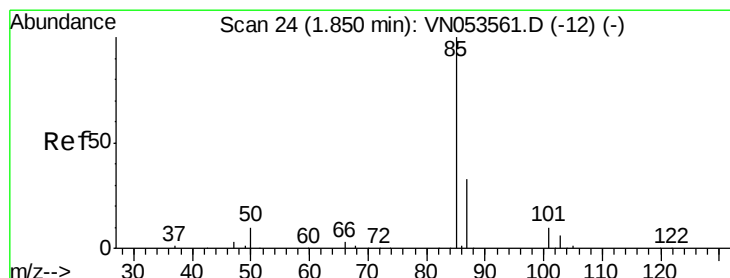
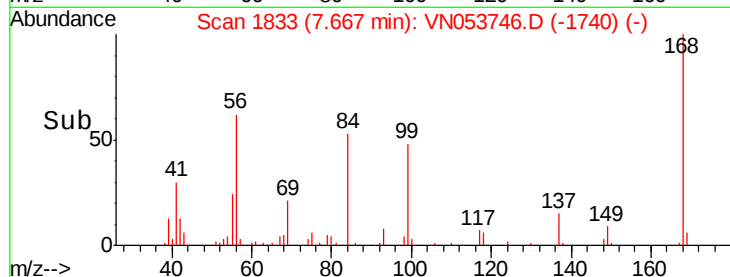
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.447 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053746.D

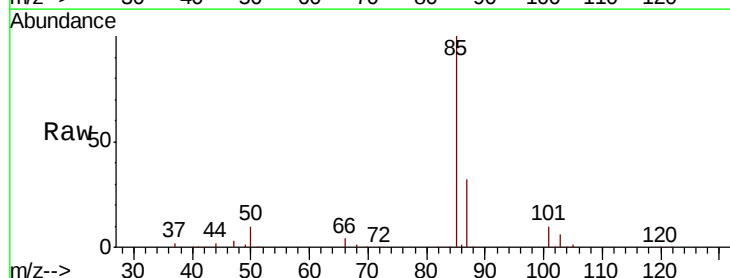
Acq: 13 Feb 2019 10:47

Tgt Ion: 85 Resp: 388482

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

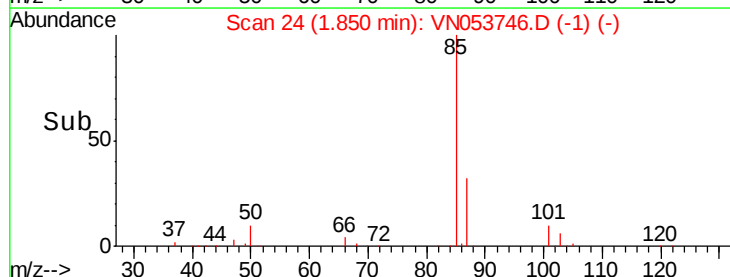
100000

50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.329 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 408226

Ion Ratio Lower Upper

50 100

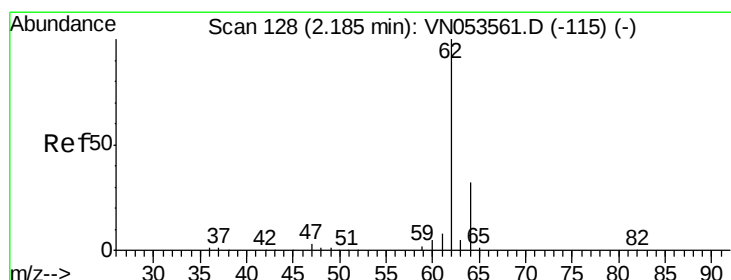
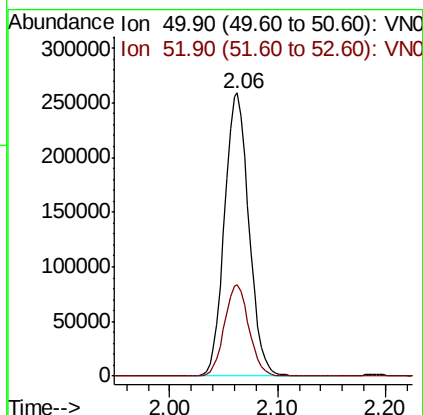
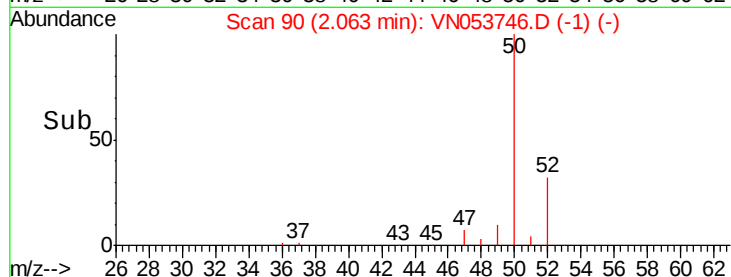
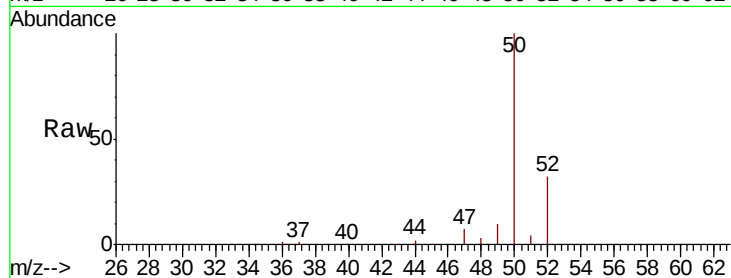
52 32.5 26.6 40.0

Manual Integrations

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2/14/2019 10:39:02 AM



#4

Vinyl Chloride

Concen: 51.445 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053746.D

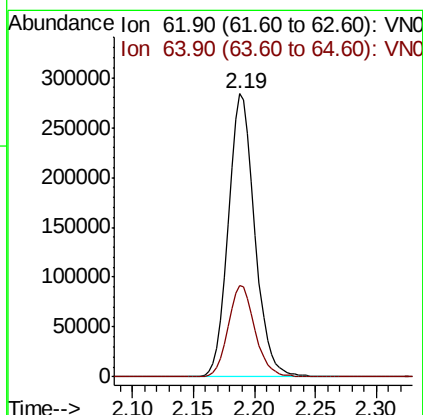
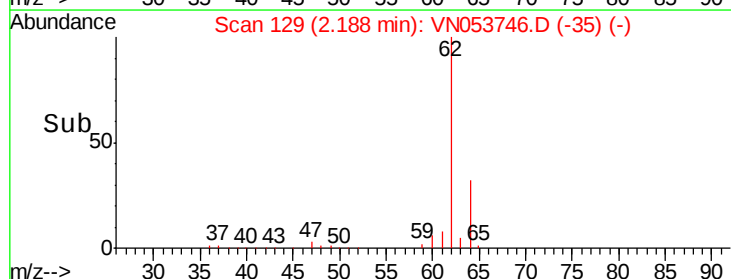
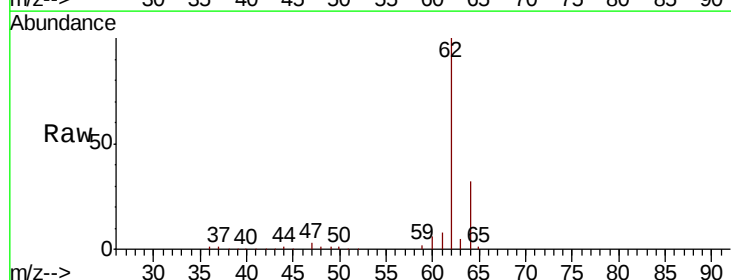
Acq: 13 Feb 2019 10:47

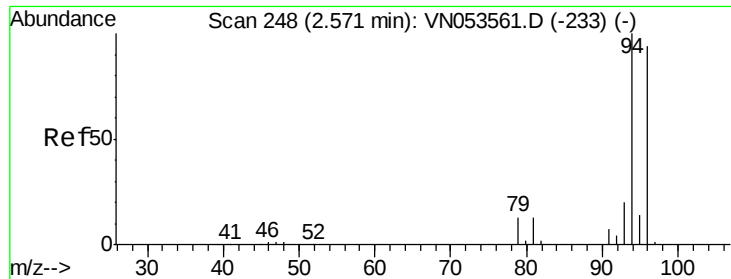
Tgt Ion: 62 Resp: 430744

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 53.152 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

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Tot Ion: 94 Resp: 290990

Ion Ratio Lower Upper

94 100

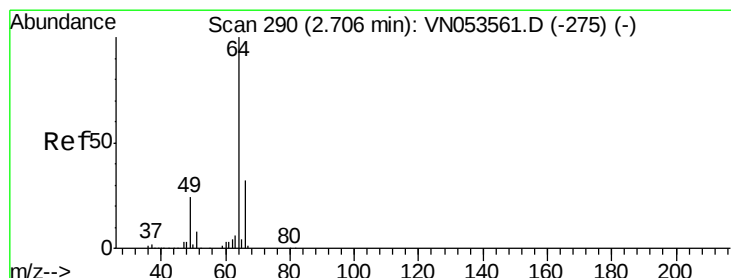
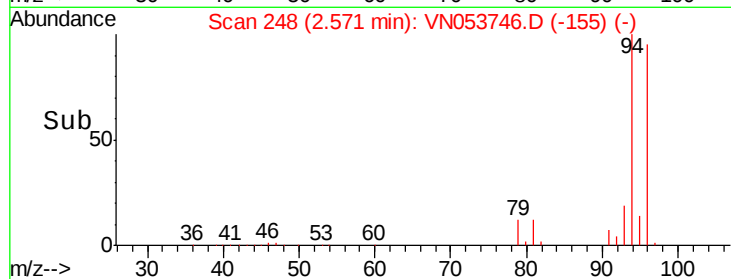
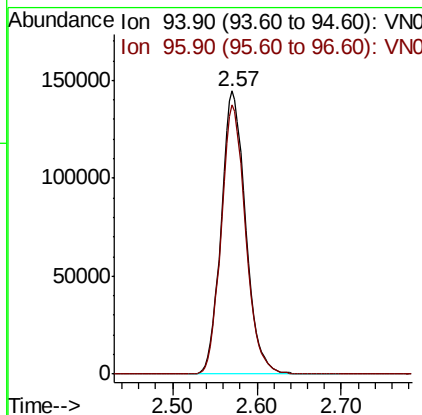
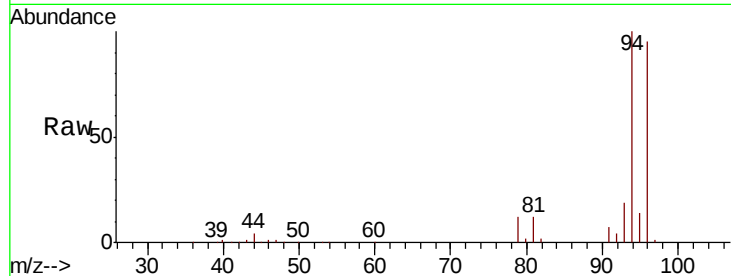
96 95.0 76.8 115.2

Manual Integrations

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2/14/2019 10:39:02 AM



#6

Chloroethane

Concen: 55.979 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053746.D

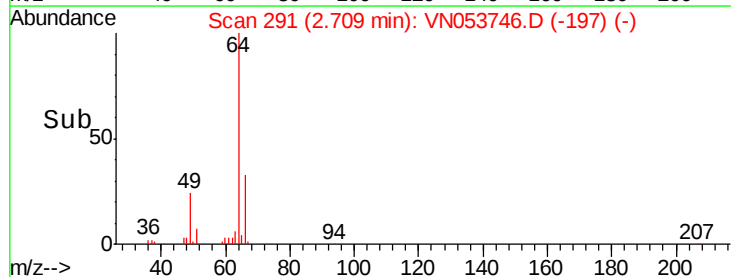
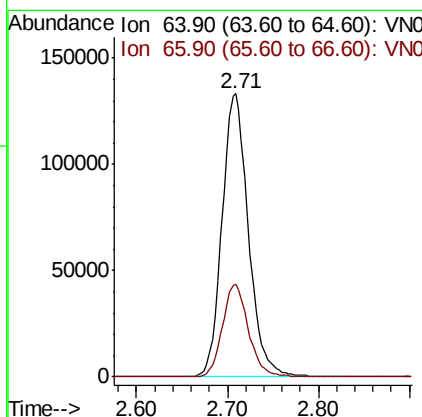
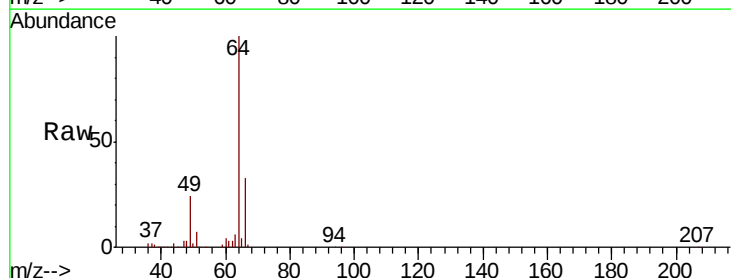
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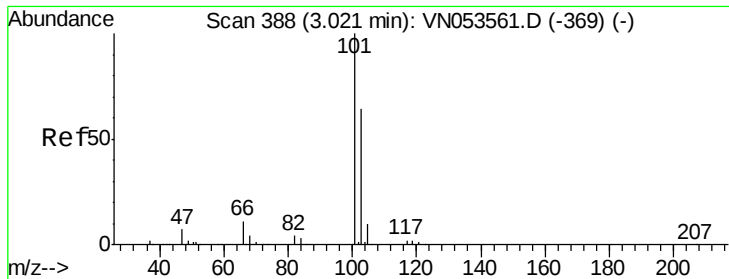
Tgt Ion: 64 Resp: 267848

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

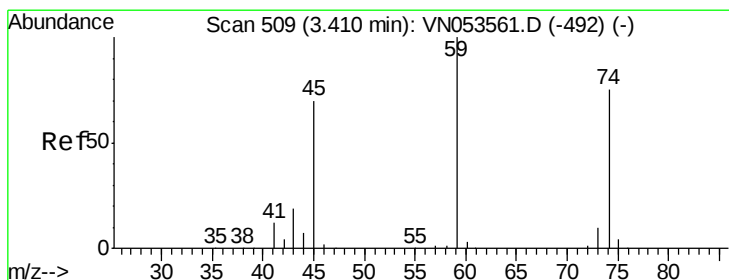
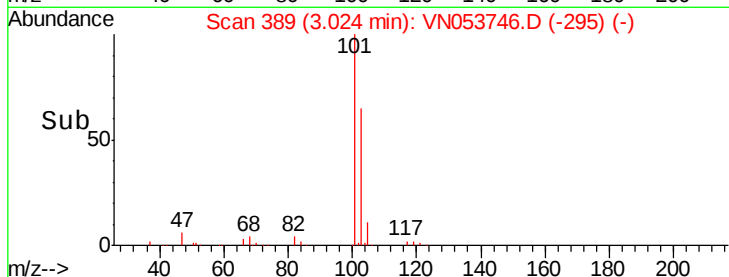
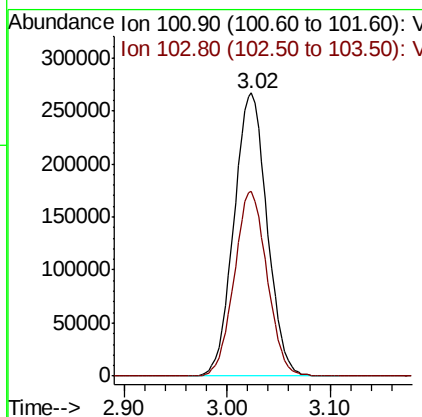
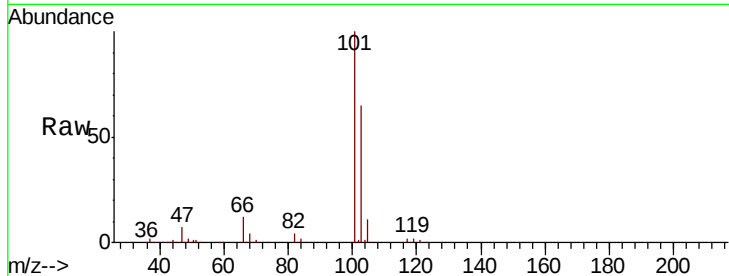
Trichlorofluoromethane
 Concen: 52.498 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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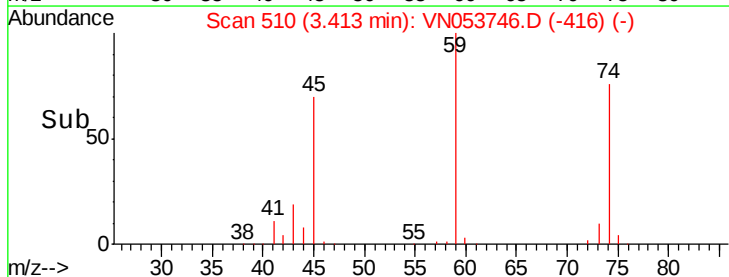
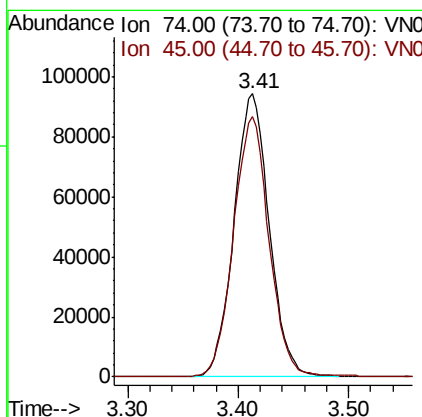
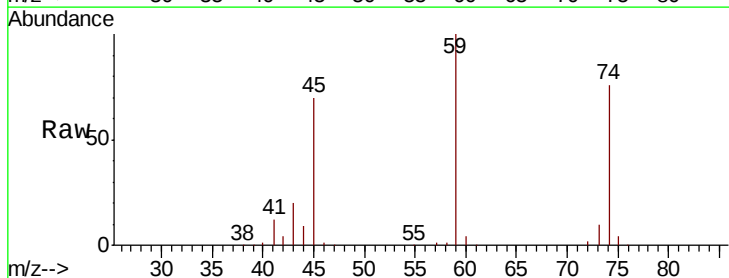
MMDadoda
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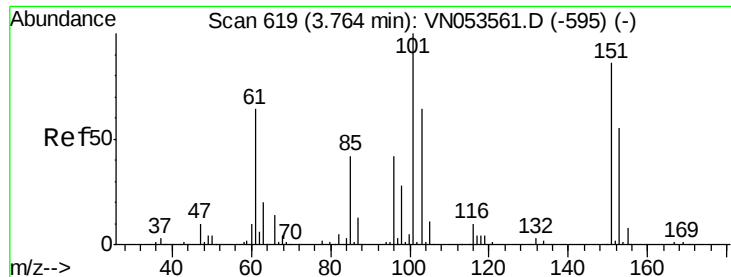


#8

Diethyl Ether
 Concen: 50.265 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053746.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.9	47.9	143.7





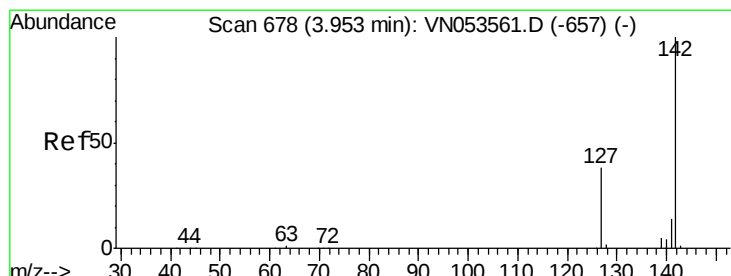
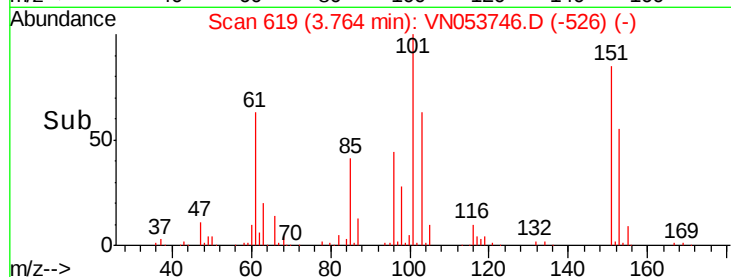
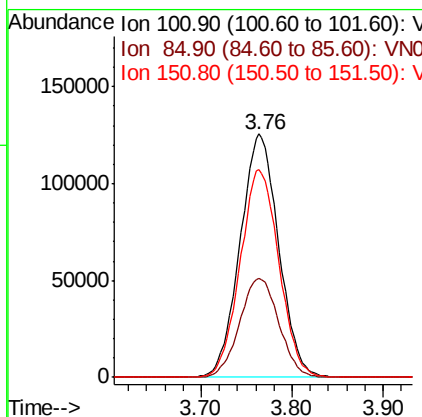
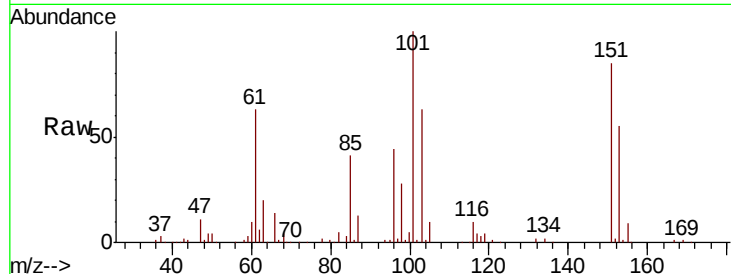
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.643 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	369666		
85	41.4		32.8	49.2
151	85.9		66.9	100.3

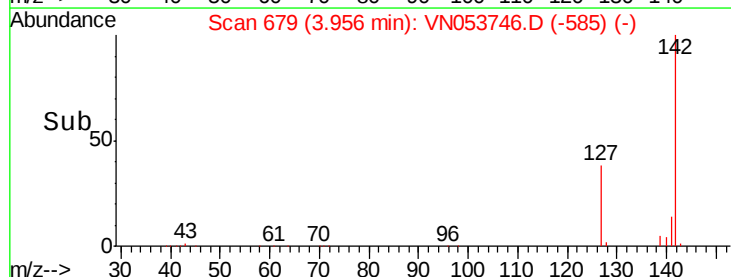
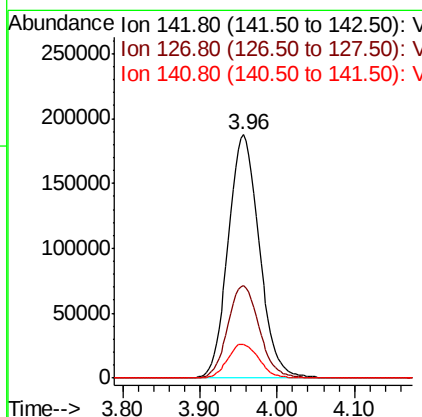
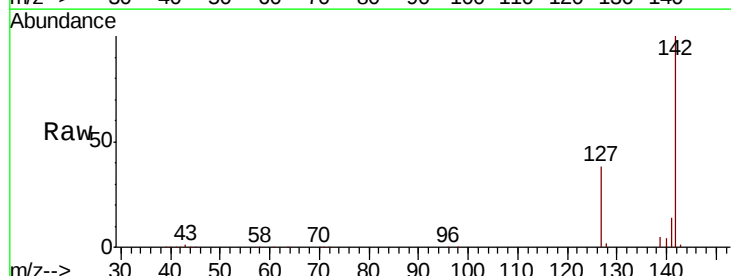
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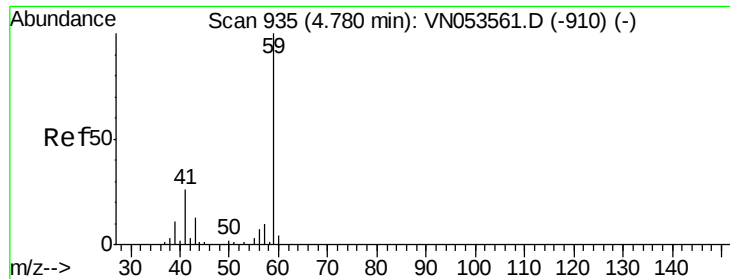
MMDadoda
 2/14/2019 10:39:02 AM



#10
 Methyl Iodide
 Concen: 47.487 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	523394		
127	38.7		31.0	46.4
141	14.1		11.1	16.7





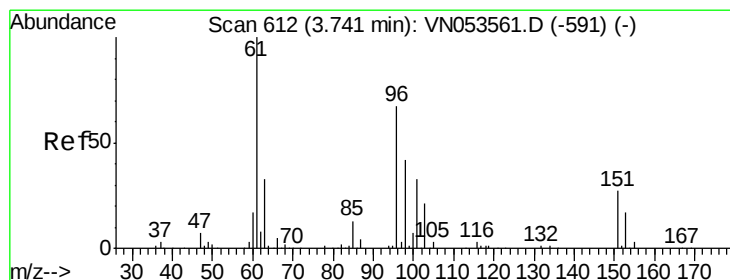
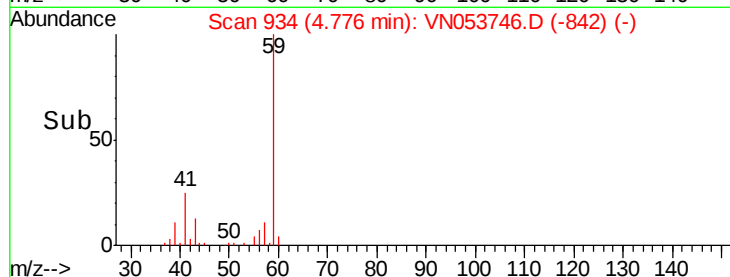
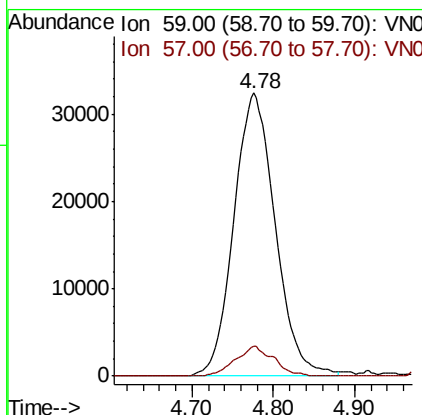
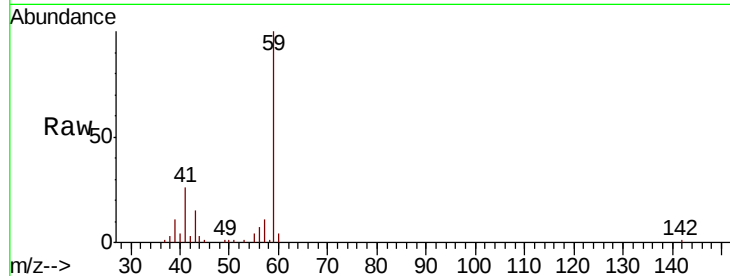
#11
Tert butyl alcohol
Concen: 264.428 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

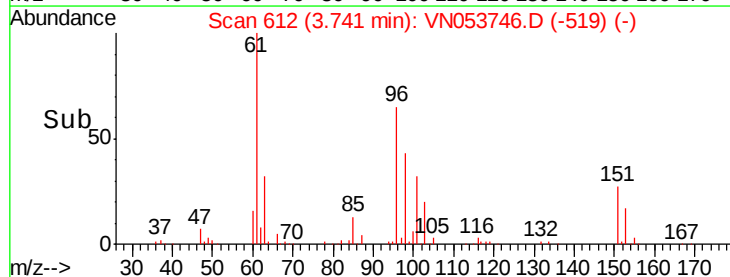
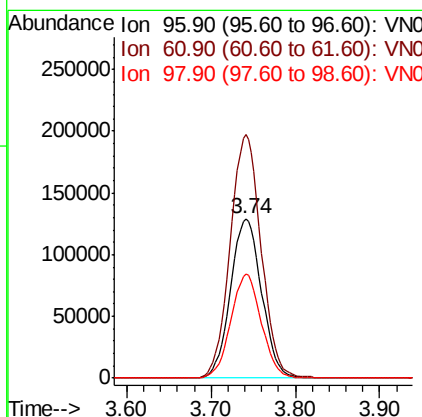
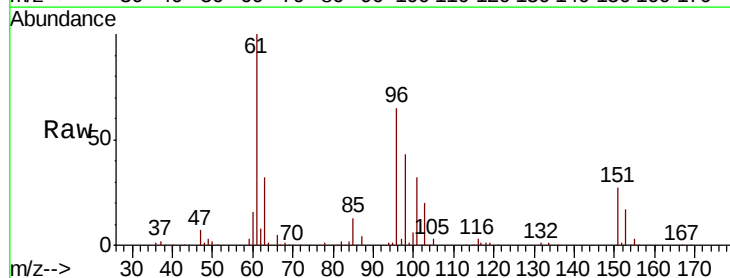
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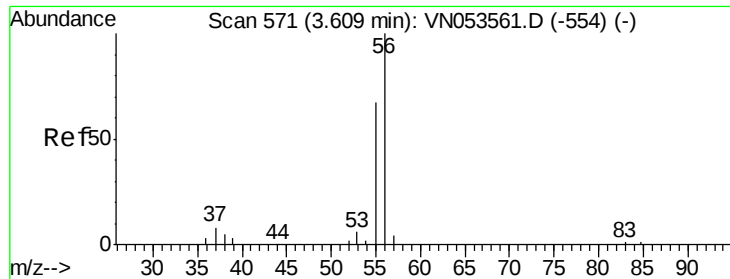
MMDadoda
2/14/2019 10:39:02 AM



#12
1,1-Dichloroethene
Concen: 49.295 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	122.9	184.3
98	65.8	49.4	74.0





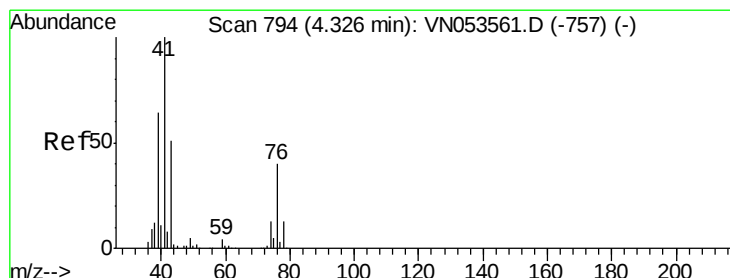
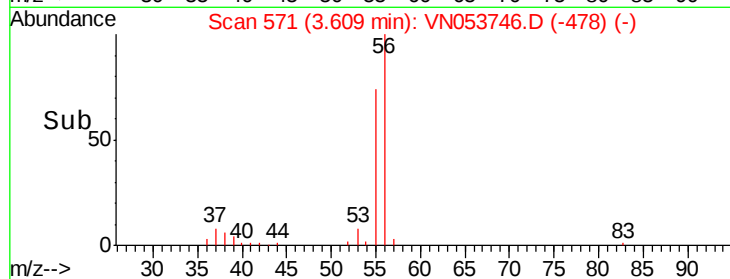
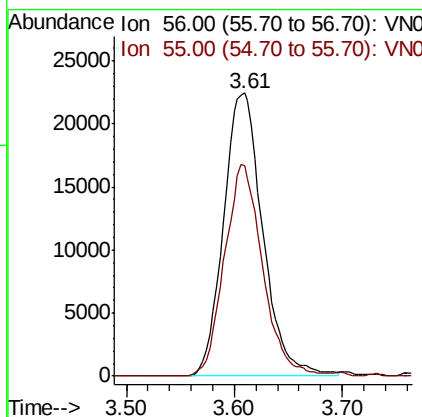
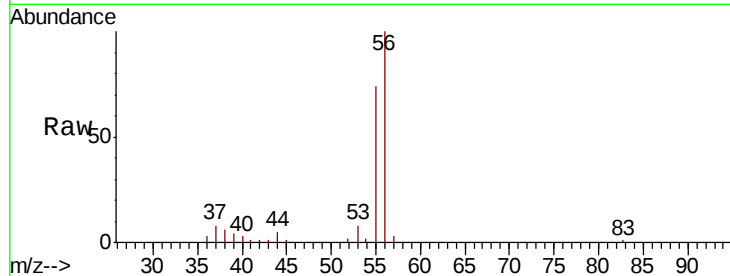
#13
Acrolein
Concen: 242.221 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	56886
Ion Ratio	100	Lower	Upper
55	72.6	57.4	86.0

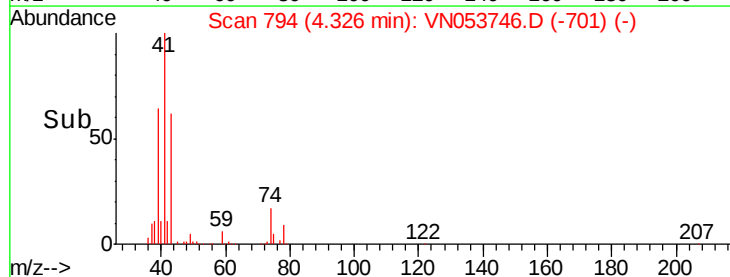
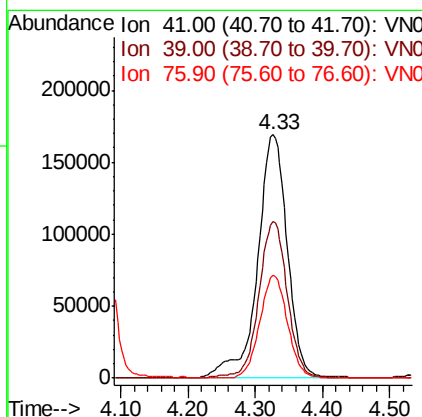
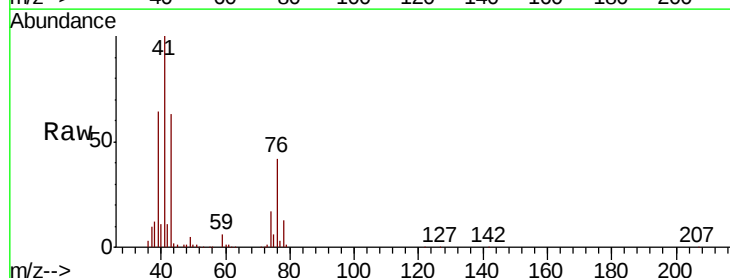
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MMDadoda
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#14
Allyl chloride
Concen: 48.647 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	41	Resp	521116
Ion Ratio	100	Lower	Upper
39	61.3	48.9	73.3
76	38.4	29.4	44.2





#15

Acrylonitrile

Concen: 269.158 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

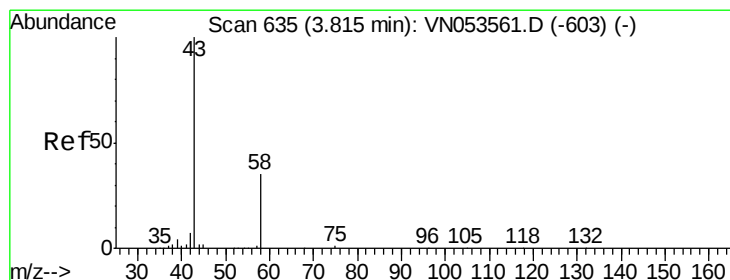
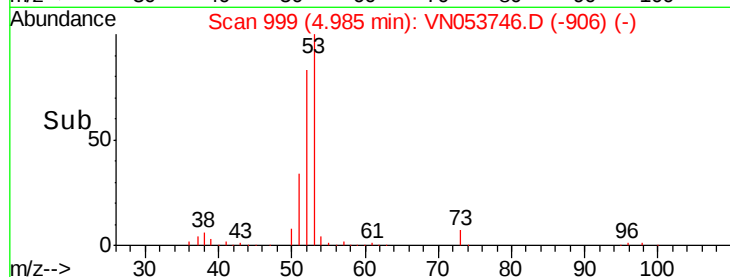
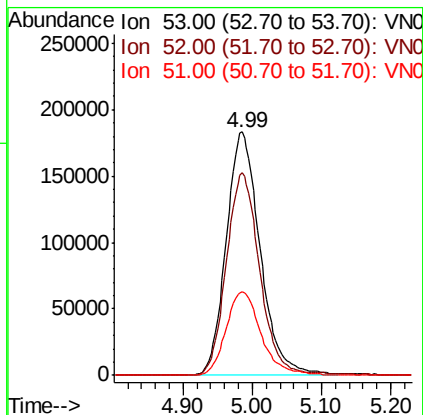
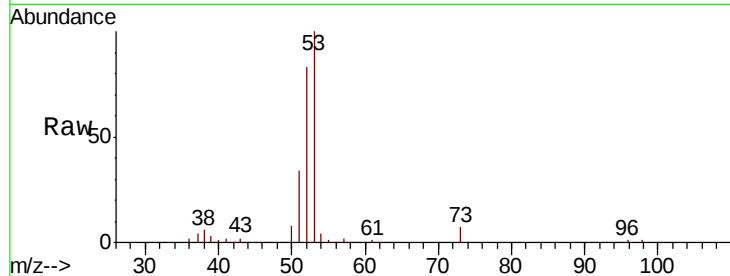
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	626773
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.0	99.0
51	35.6	28.3	42.5

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#16

Acetone

Concen: 320.232 ug/l

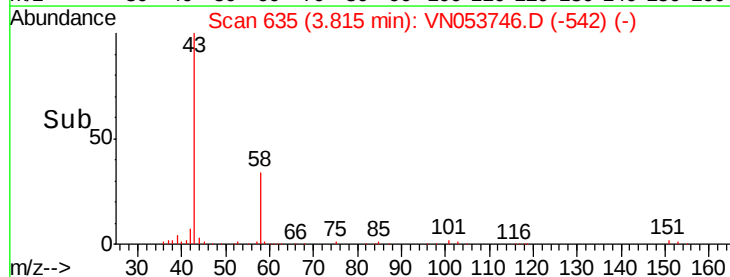
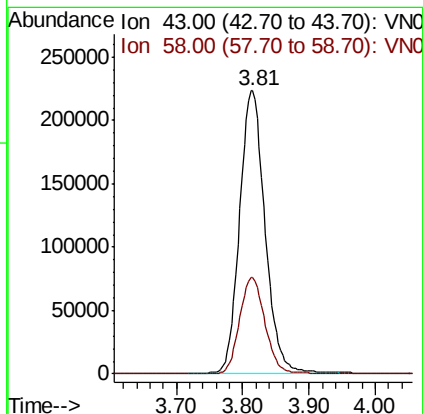
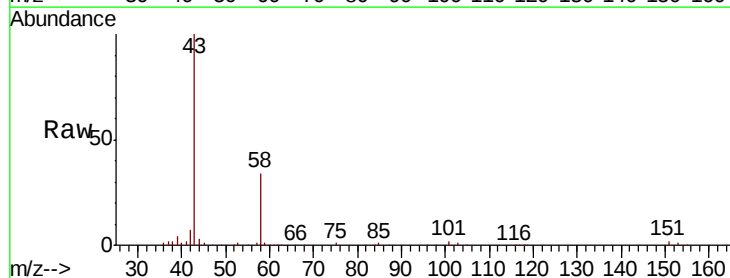
RT: 3.81 min Scan# 635

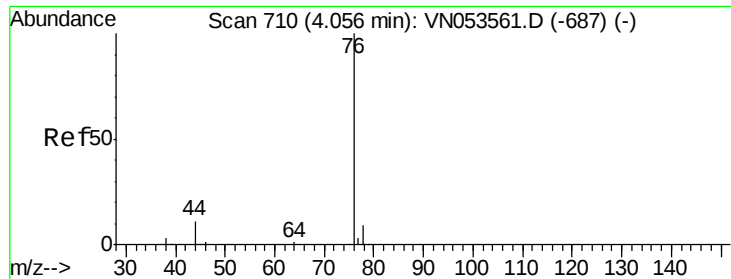
Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	43	Resp:	598677
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.1	40.7





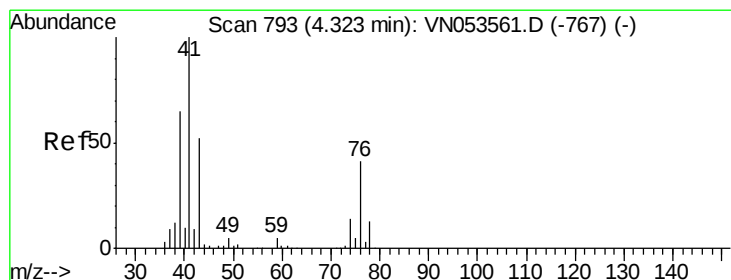
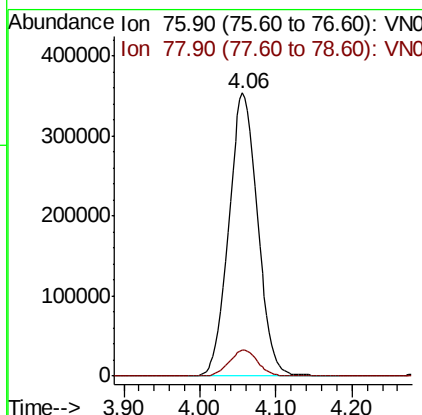
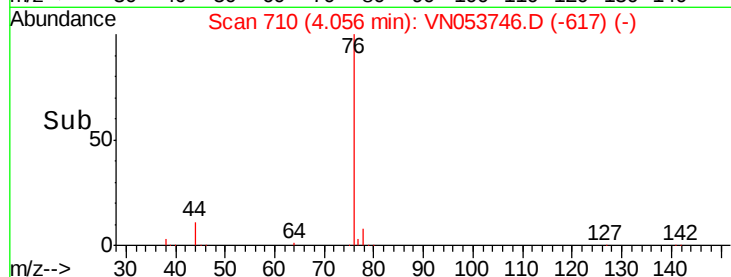
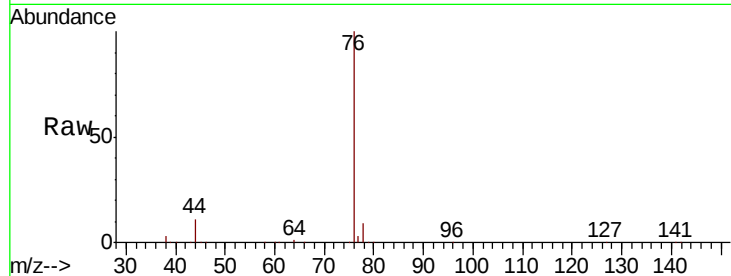
#17
Carbon Disulfide
Concen: 44.547 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

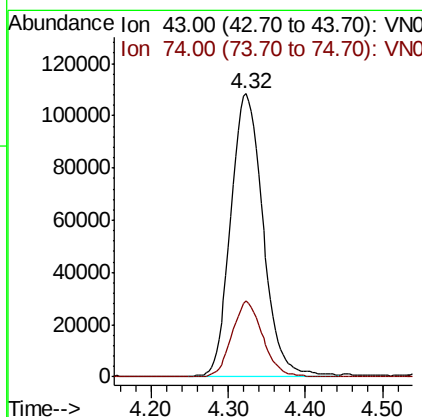
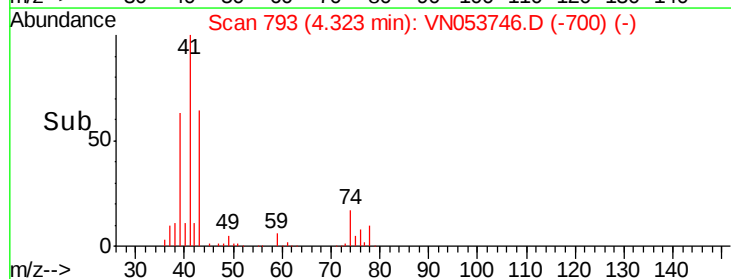
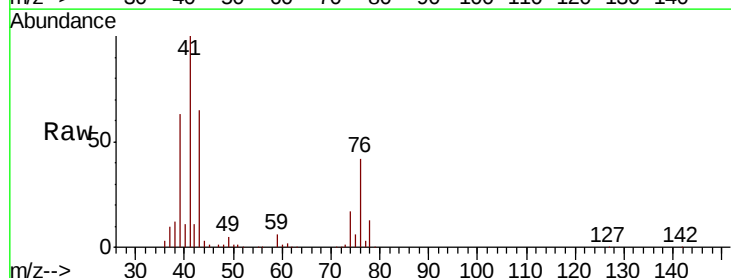
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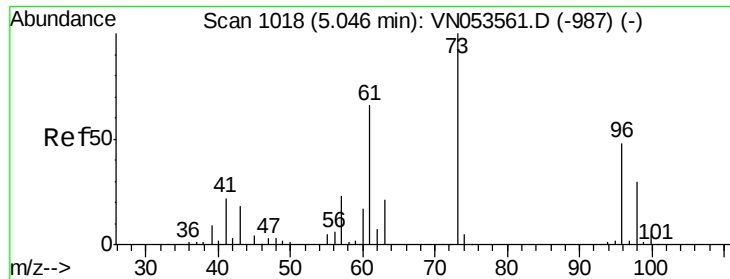
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#18
Methyl Acetate
Concen: 56.459 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.4	29.2





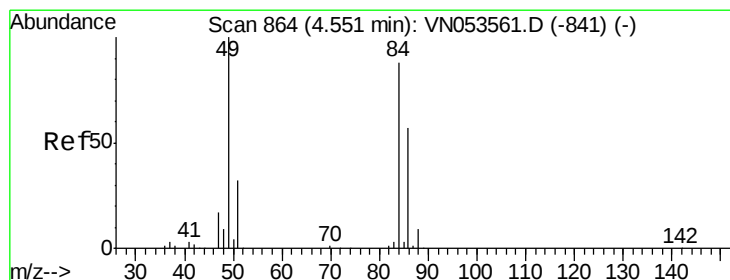
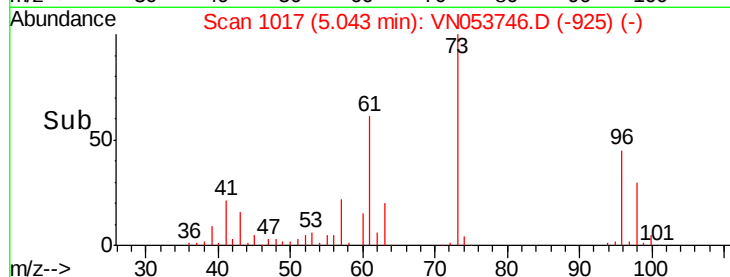
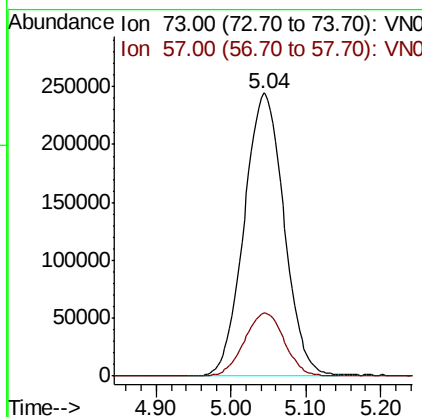
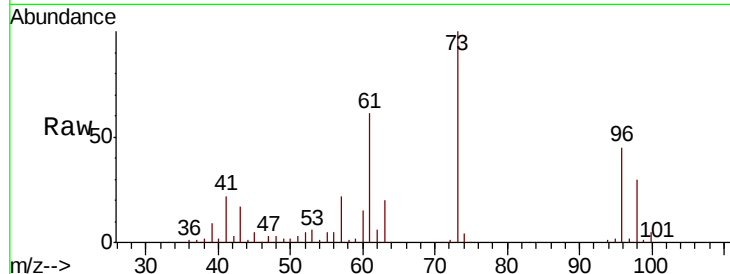
#19
Methvl tert-butvl Ether
Concen: 53.239 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 908004
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

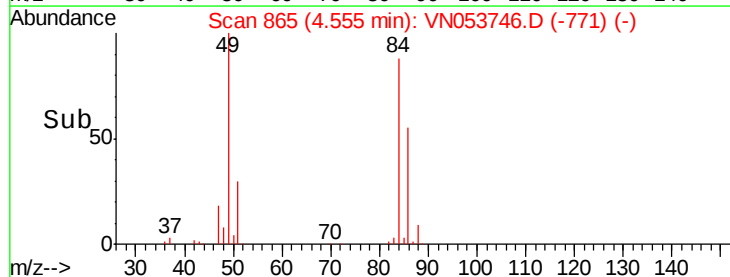
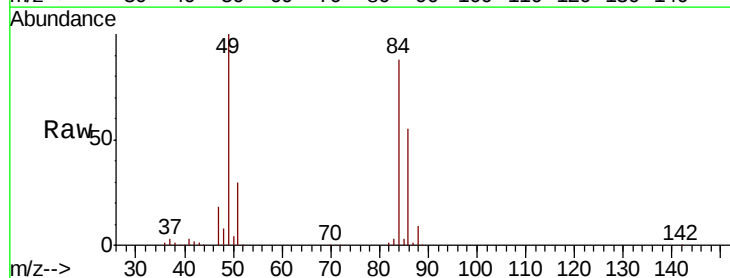
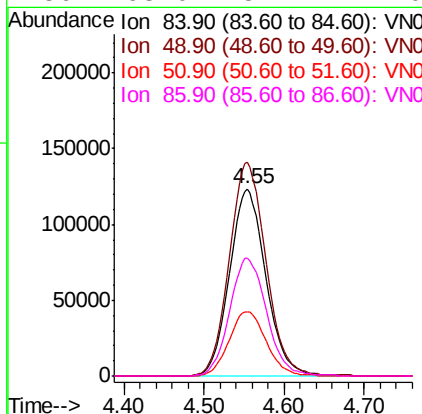
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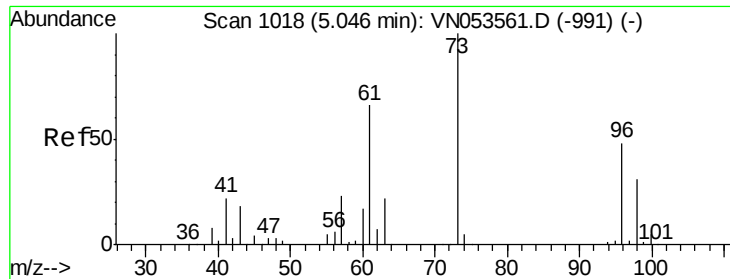
MMDadoda
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#20
Methylene Chloride
Concen: 48.606 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 84 Resp: 381234
Ion Ratio Lower Upper
84 100
49 114.1 94.3 141.5
51 34.4 29.4 44.2
86 63.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.147 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

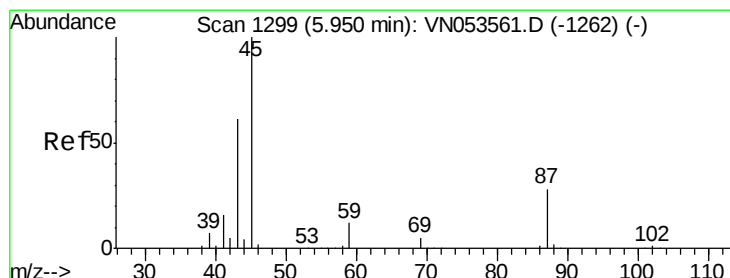
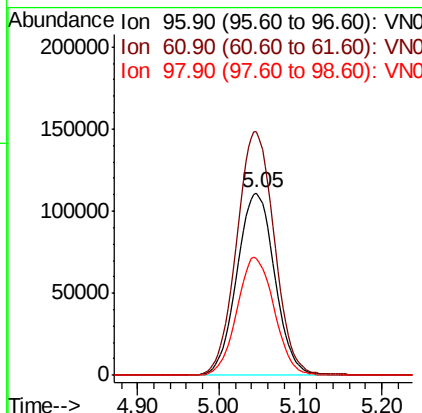
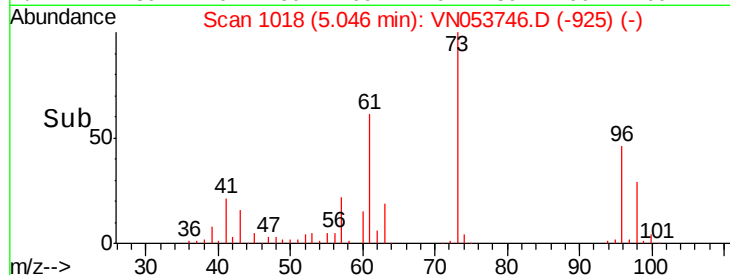
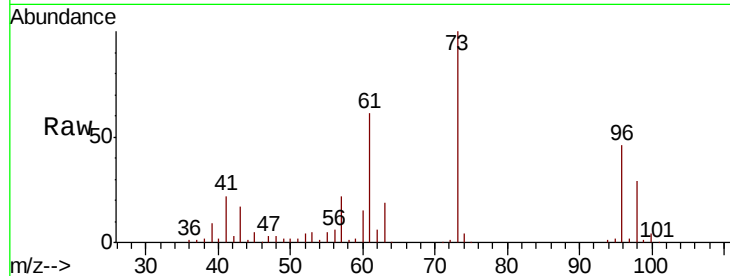
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	356725
Ion	Ratio	Lower	Upper
96	100		
61	133.6	110.1	165.1
98	64.2	50.0	75.0

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#22

Diisopropyl ether

Concen: 53.532 ug/l

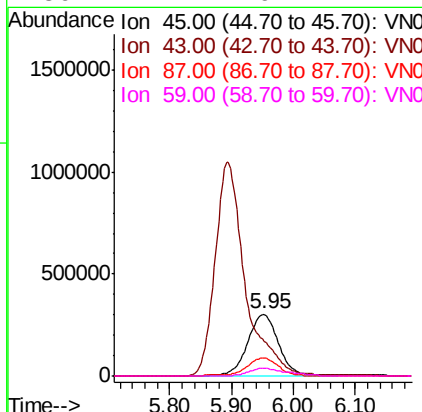
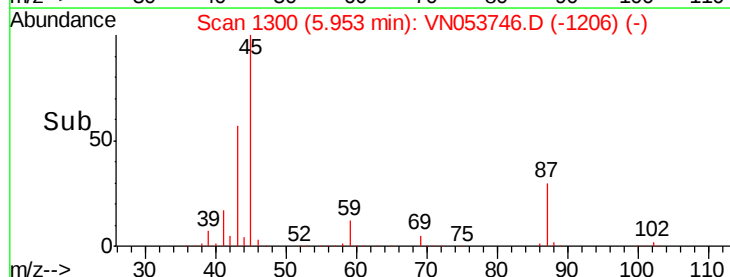
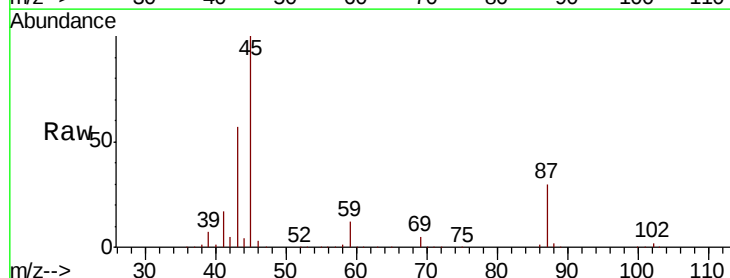
RT: 5.95 min Scan# 1300

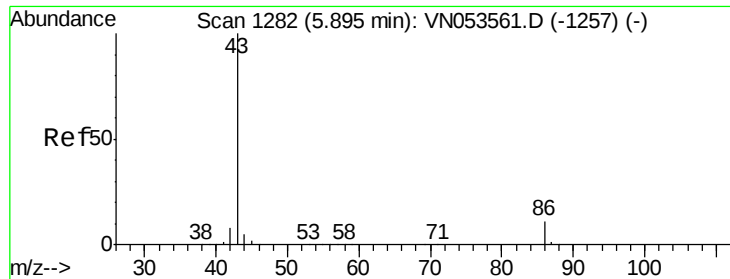
Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	45	Resp:	1062535
Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.2	66.4
87	29.3	22.7	34.1
59	12.1	9.4	14.2





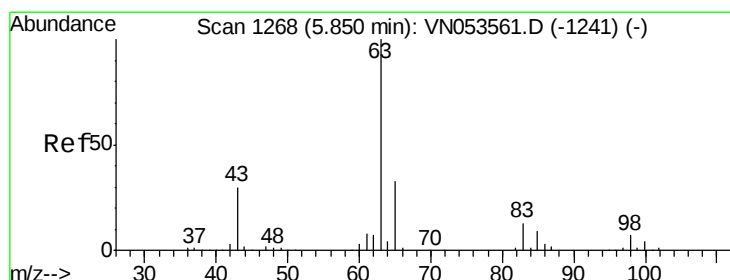
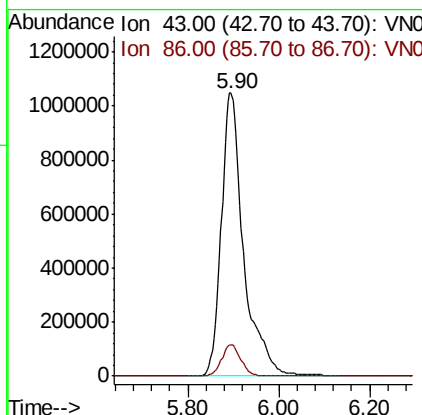
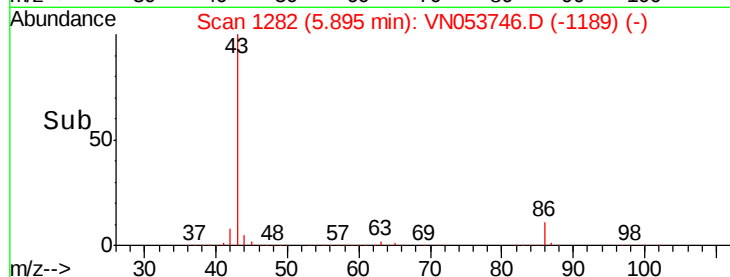
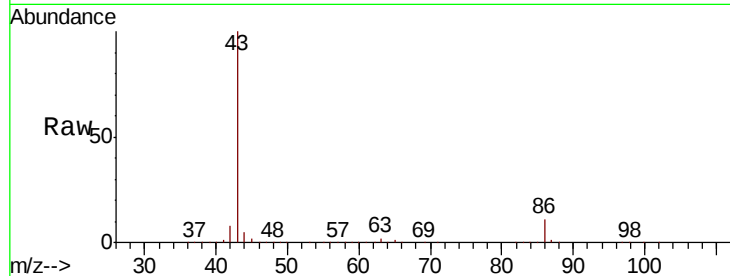
#23
 Vinyl Acetate
 Concen: 260.339 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3574717
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6

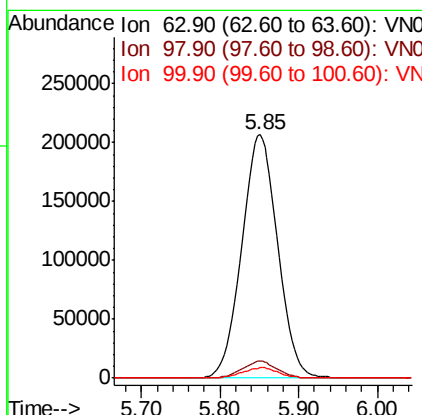
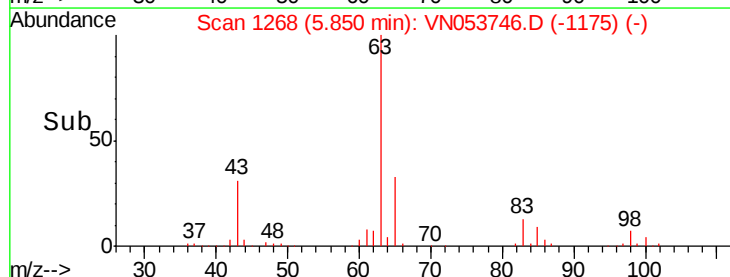
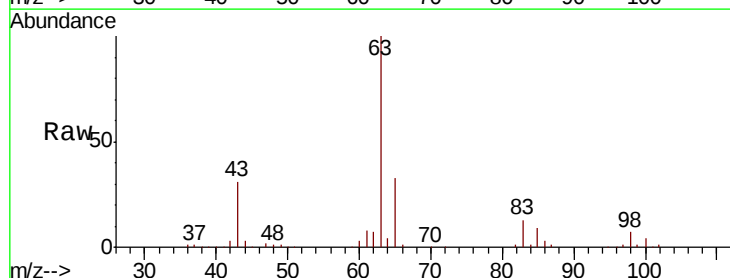
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#24
 1,1-Dichloroethane
 Concen: 50.160 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 63 Resp: 664063
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.9
 100 4.3 2.1 6.5





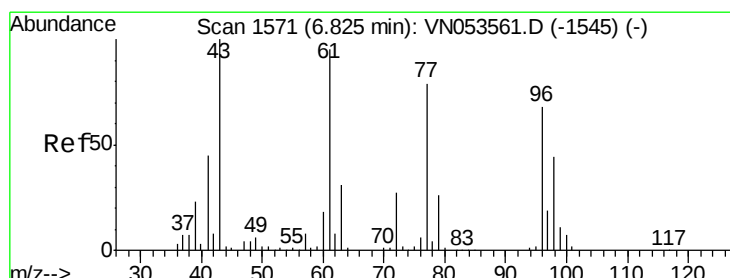
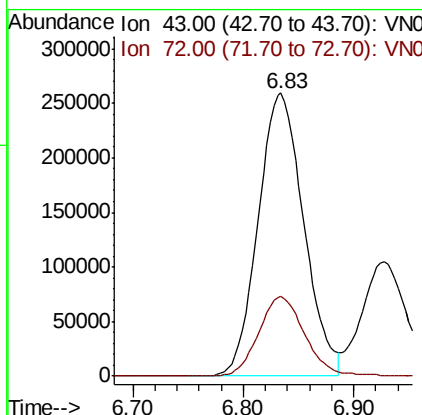
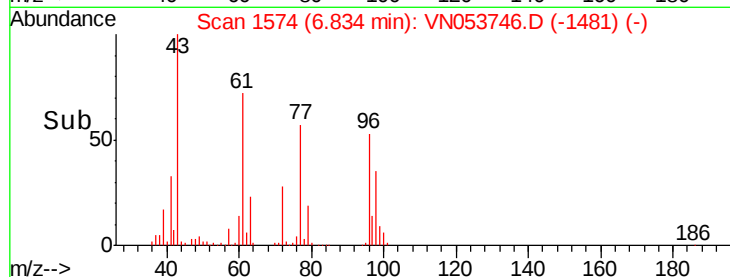
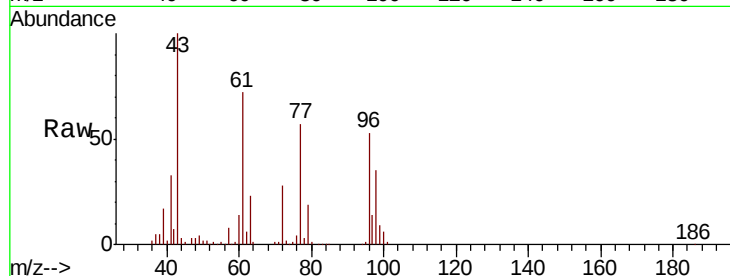
#25
2-Butanone
Concen: 277.291 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 739350
Ion Ratio Lower Upper
43 100
72 28.1 22.0 33.0

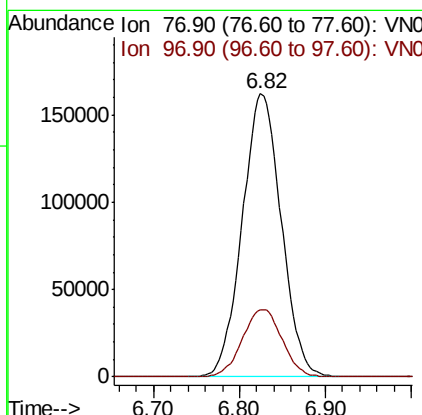
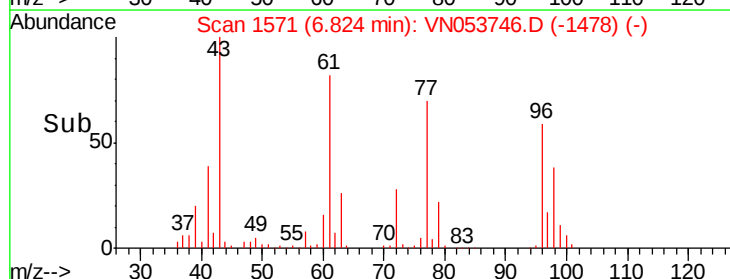
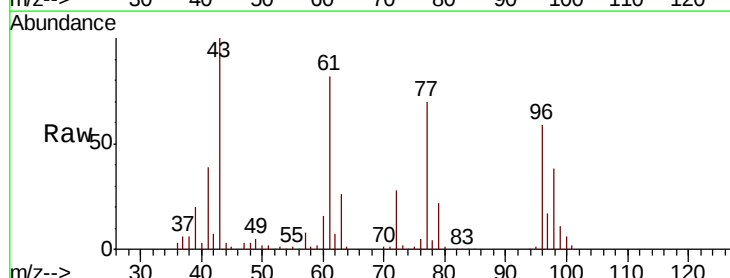
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:39:02 AM



#26
2,2-Dichloropropane
Concen: 50.651 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 77 Resp: 511883
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.258 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

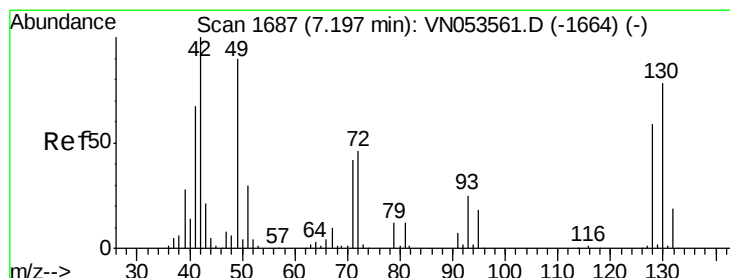
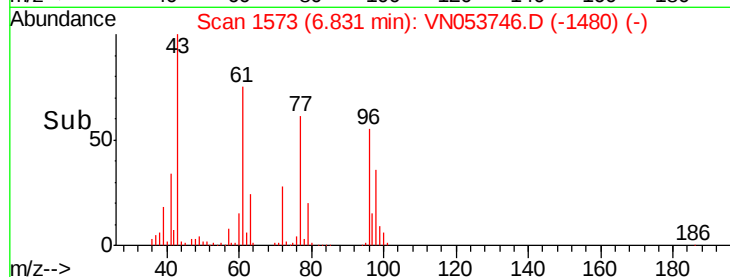
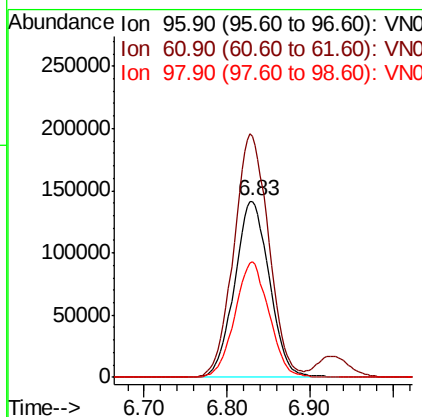
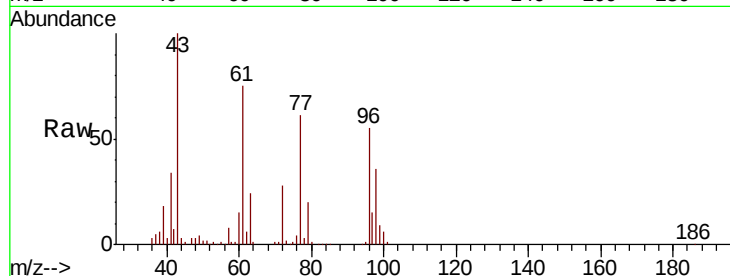
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	413704
Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	283.8
98	64.3	0.0	129.2

Manual Integrations
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MMDadoda
2/14/2019 10:39:02 AM



#28

Bromochloromethane

Concen: 50.102 ug/l

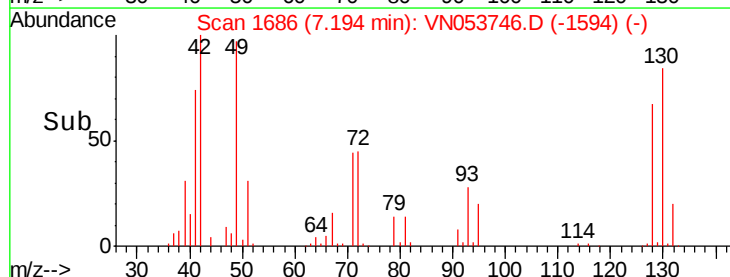
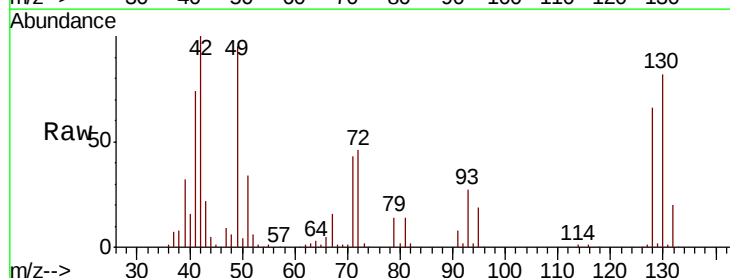
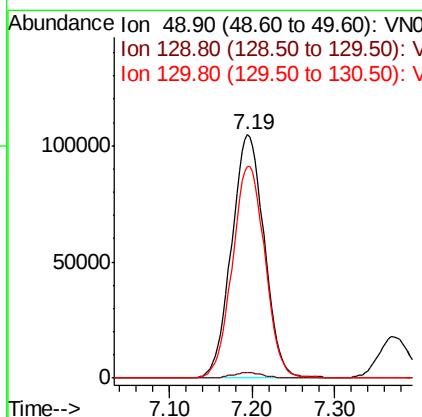
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	49	Resp:	287841
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	86.8	66.3	99.5





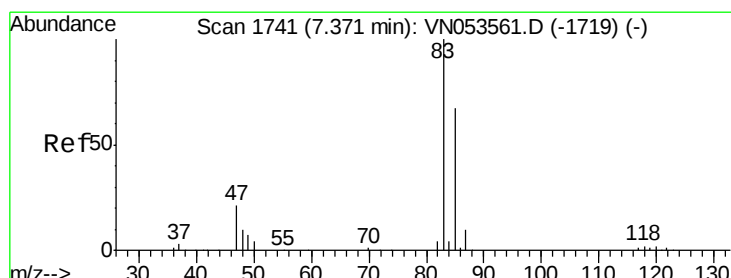
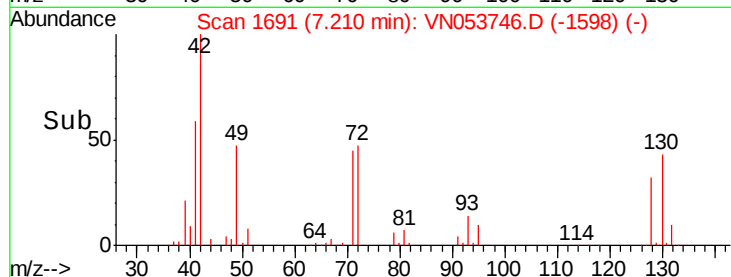
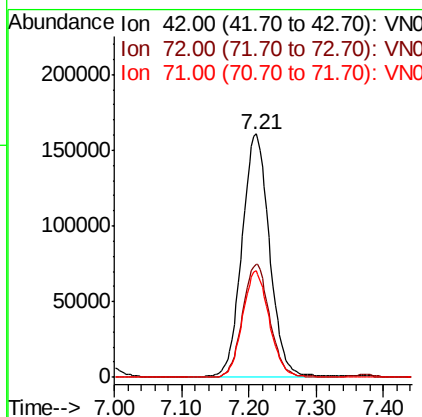
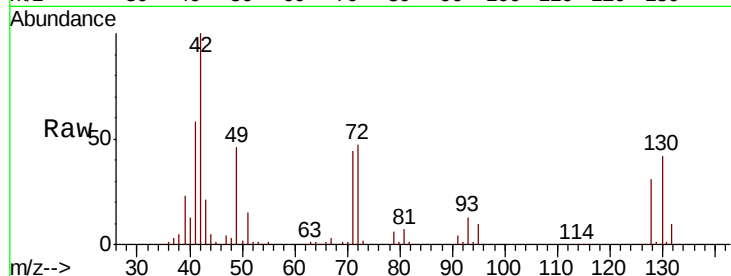
#29
Tetrahydrofuran
Concen: 269.273 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.2	52.8
71	42.1	33.0	49.4

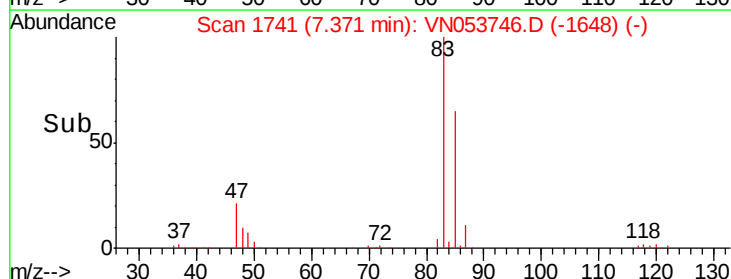
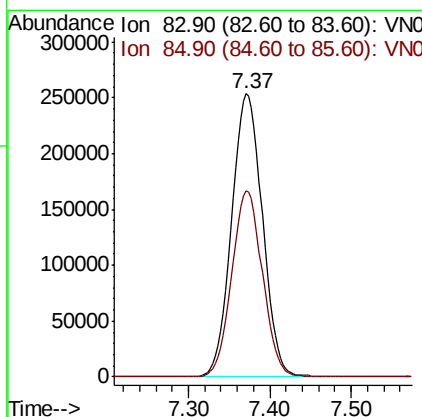
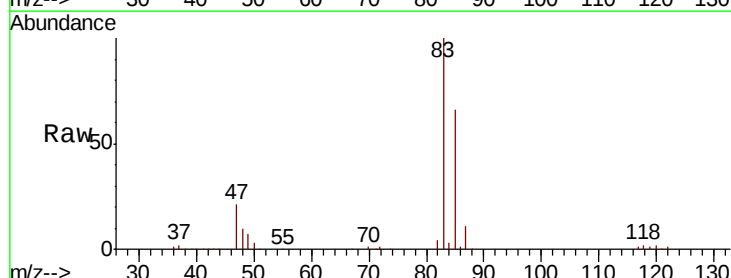
Manual Integrations
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#30
Chloroform
Concen: 50.930 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.2





#31

Cyclohexane

Concen: 47.617 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 587032

Ion Ratio Lower Upper

56 100

69 33.1 26.4 39.6

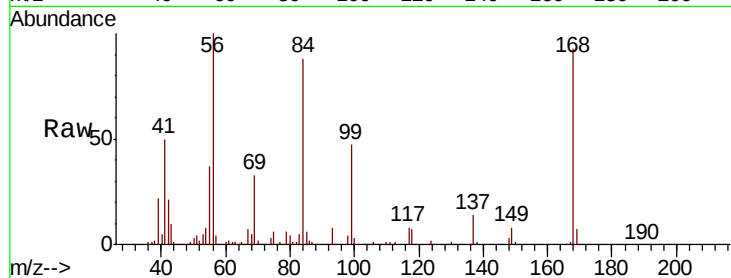
84 86.5 67.9 101.9

Manual Integrations

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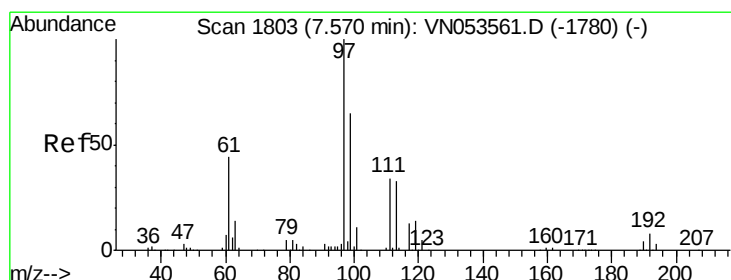
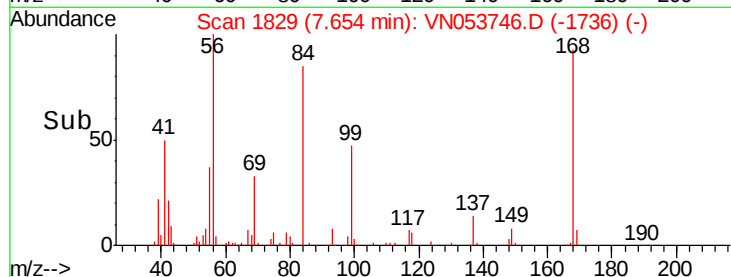
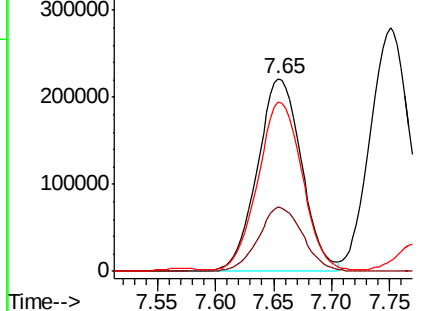
2/14/2019 10:39:02 AM



Abundance Ion 56.00 (55.70 to 56.70): VN053746.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053746.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053746.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 51.922 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

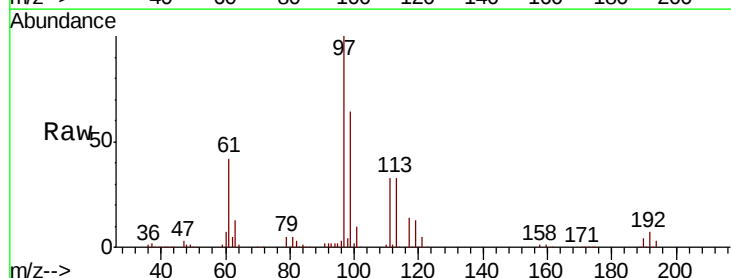
Tgt Ion: 97 Resp: 567074

Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

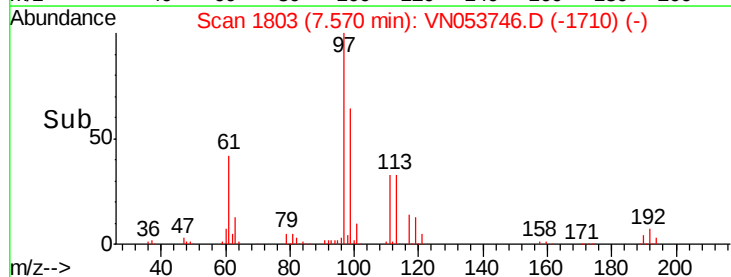
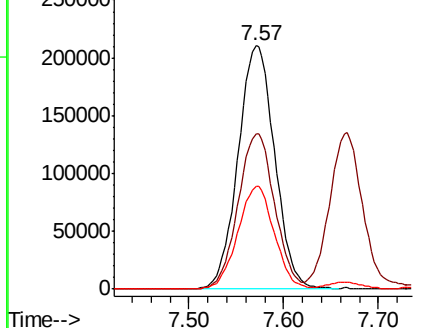
61 42.0 34.4 51.6

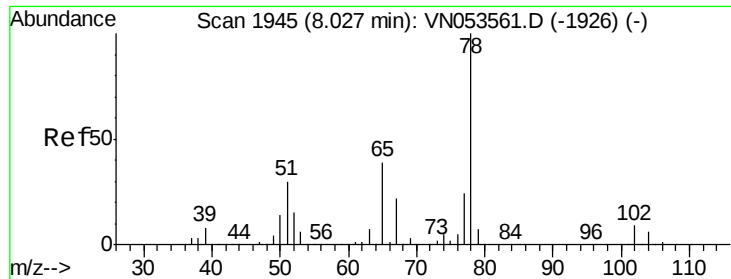


Abundance Ion 96.90 (96.60 to 97.60): VN053746.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053746.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053746.D (-1710) (-)





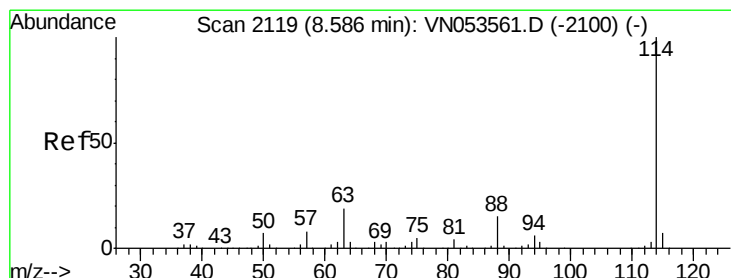
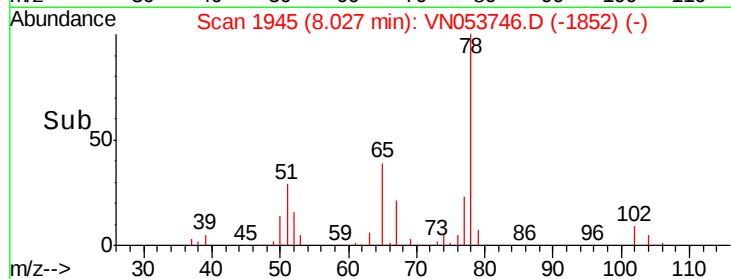
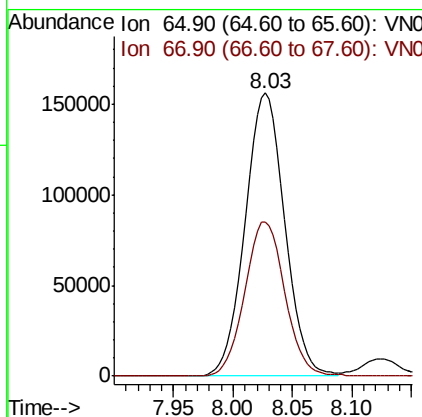
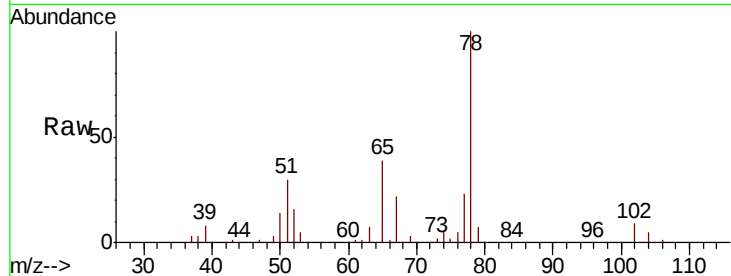
#33
 1,2-Dichloroethane-d4
 Concen: 49.443 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	360366		
67	55.3	0.0	111.2	

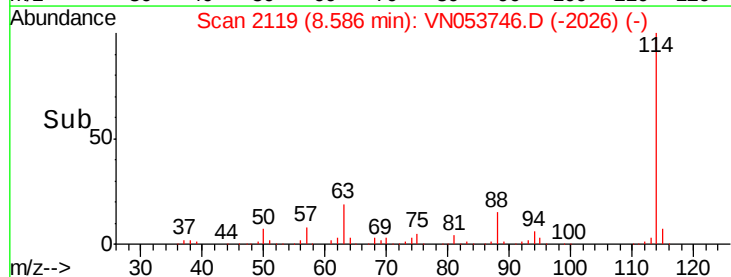
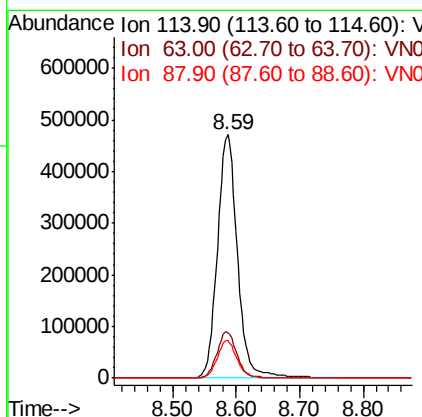
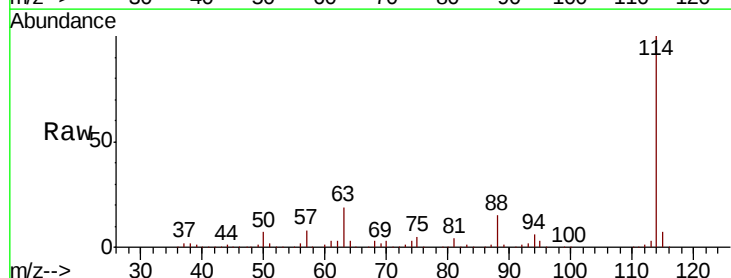
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1029454		
63	18.8	0.0	38.6	
88	15.3	0.0	30.4	





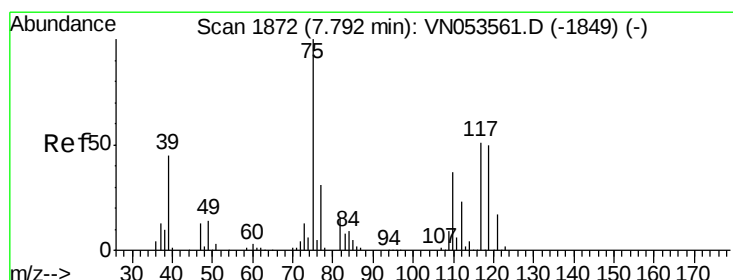
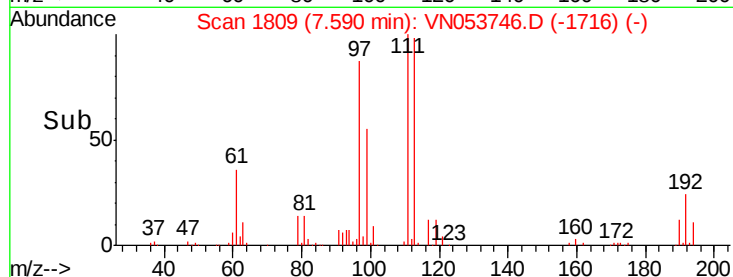
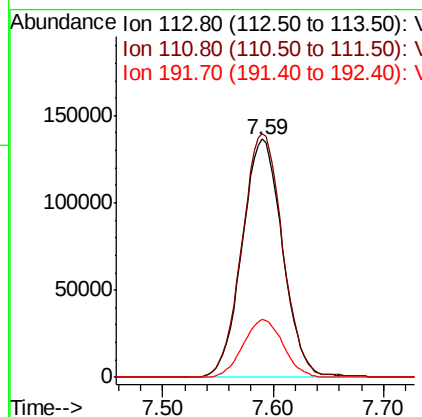
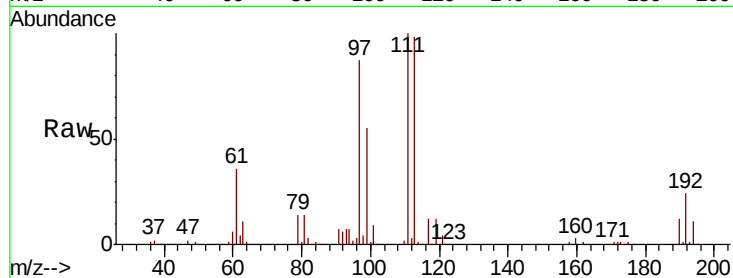
#35
 Dibromofluoromethane
 Concen: 53.254 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.1	121.7	
192	24.1	18.2	27.2	

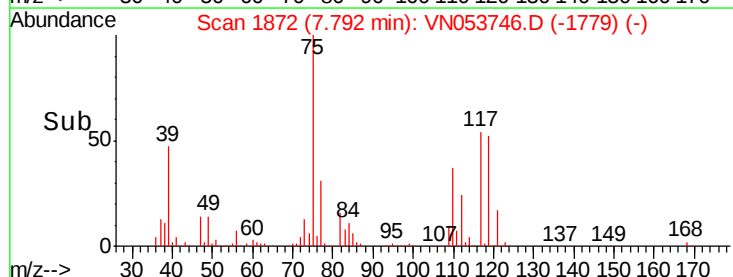
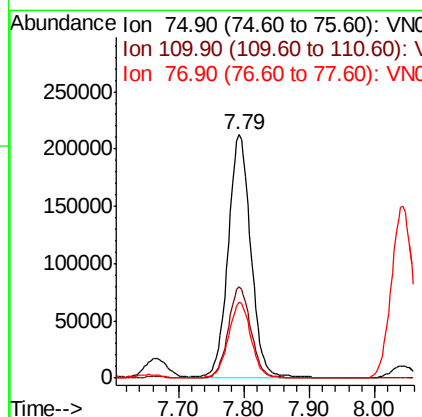
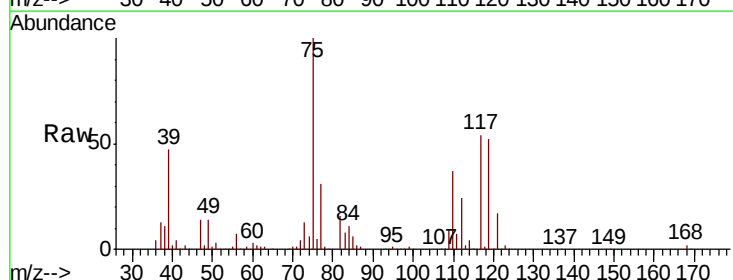
Manual Integrations
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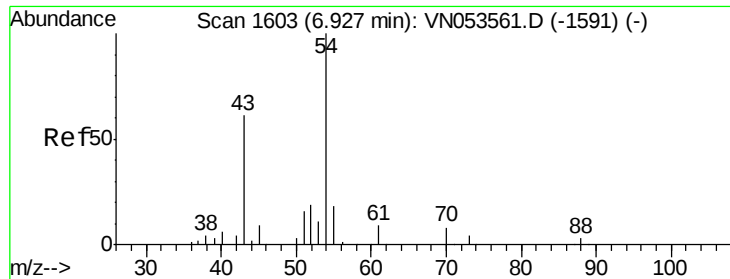
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 55.218 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.1	54.3	
77	31.1	25.1	37.7	





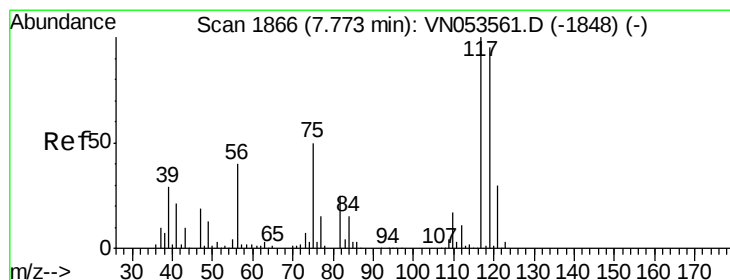
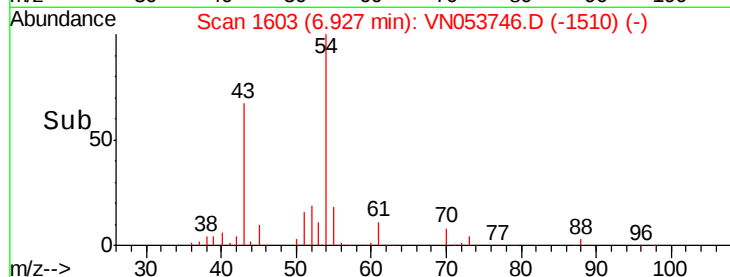
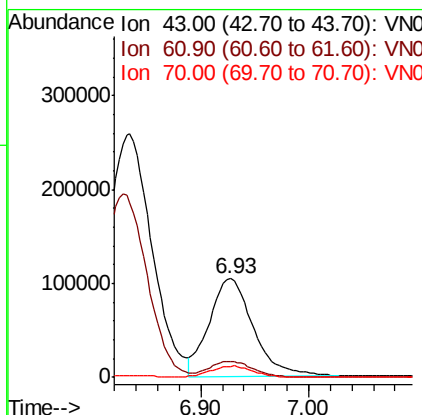
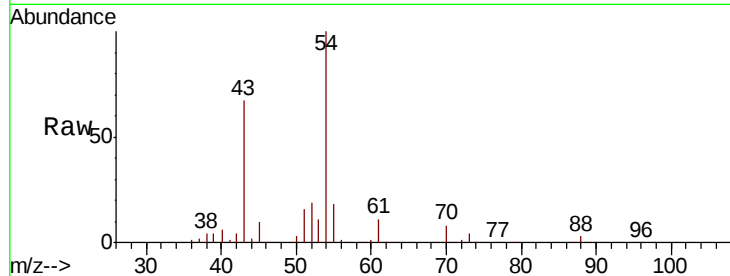
#37
Ethyl Acetate
Concen: 56.929 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	10.9	8.6	12.8

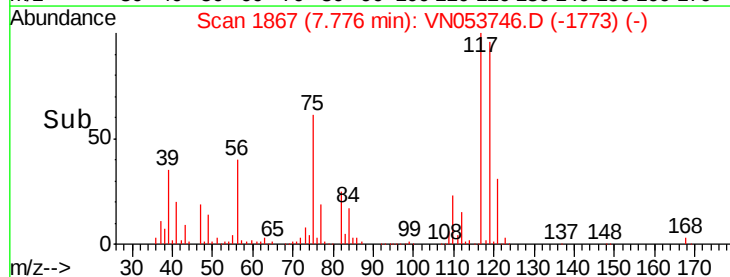
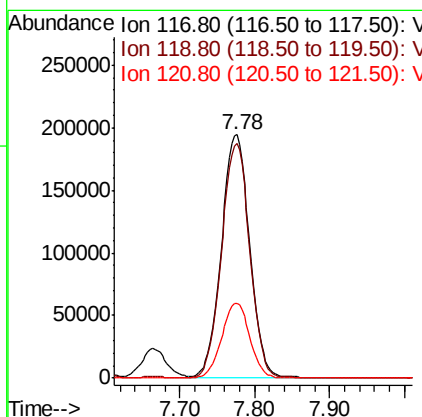
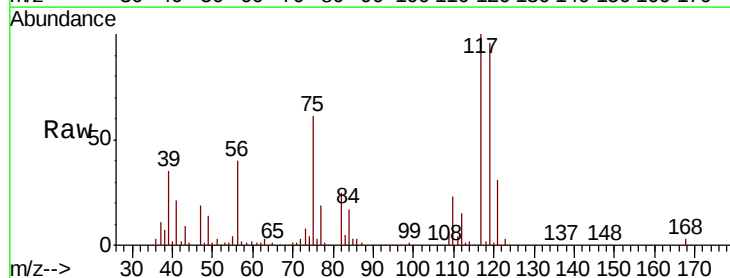
Manual Integrations
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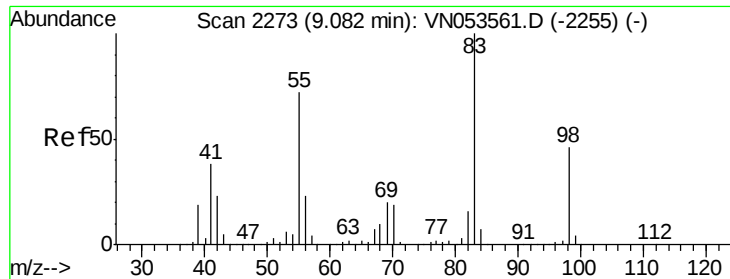
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.488 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.2	115.8
121	30.8	24.6	37.0





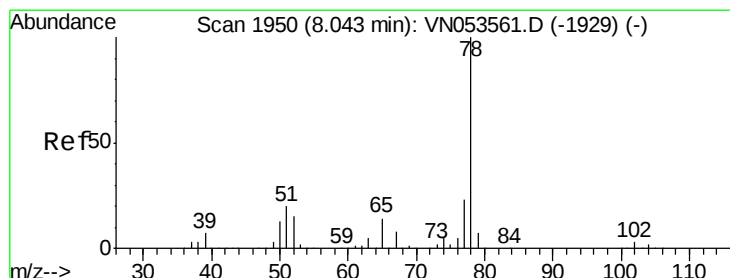
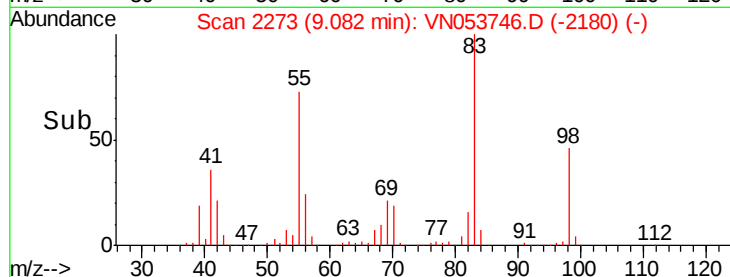
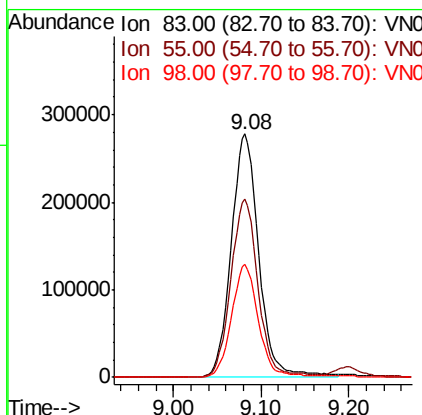
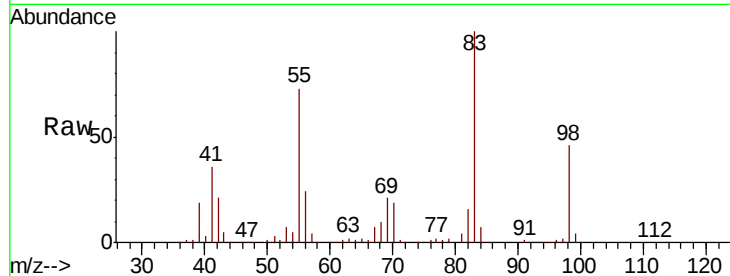
#39
Methvlcvclohexane
Concen: 55.280 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	60.1	90.1
98	46.3	36.6	55.0

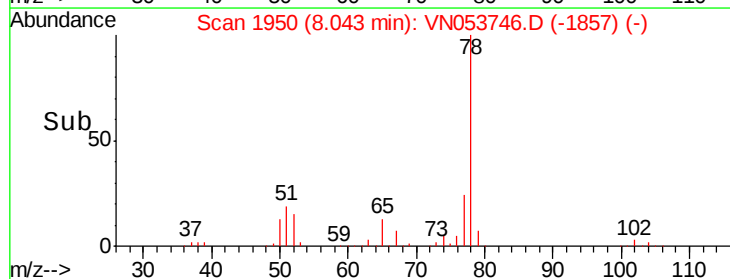
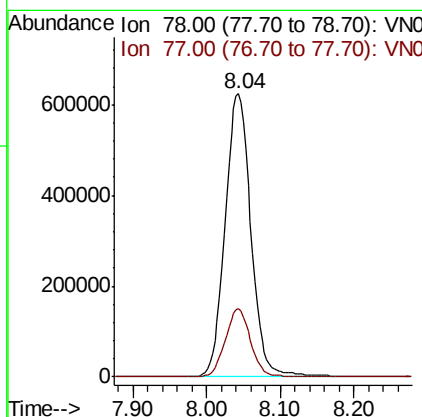
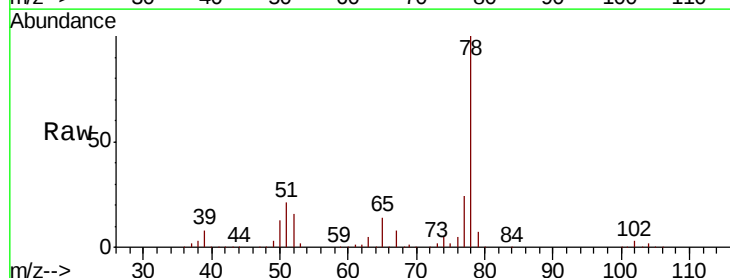
Manual Integrations
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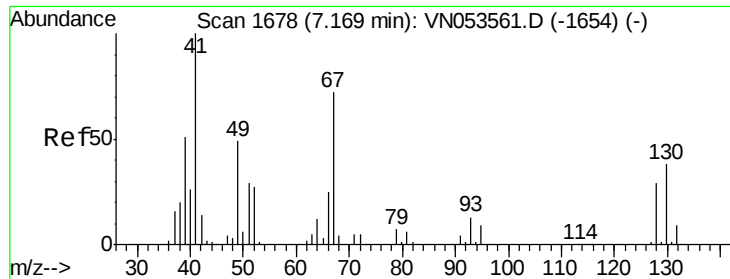
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#40
Benzene
Concen: 53.076 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





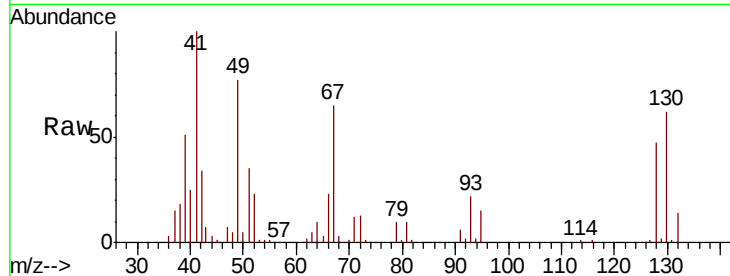
#41
Methacrylonitrile
Concen: 61.950 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

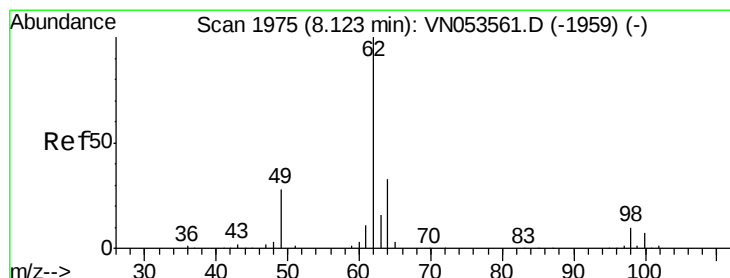
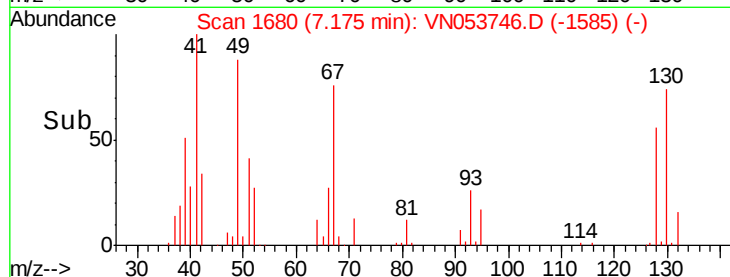
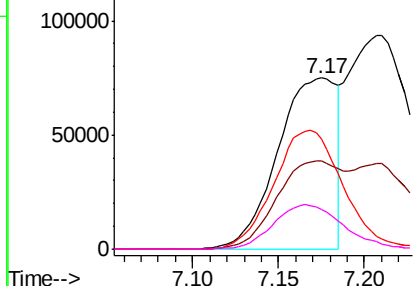
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.0	46.8	70.2	
67	82.1	63.0	94.6	
52	30.2	23.8	35.8	

Manual Integrations
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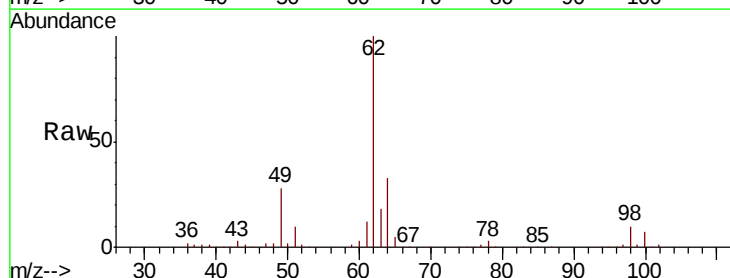


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

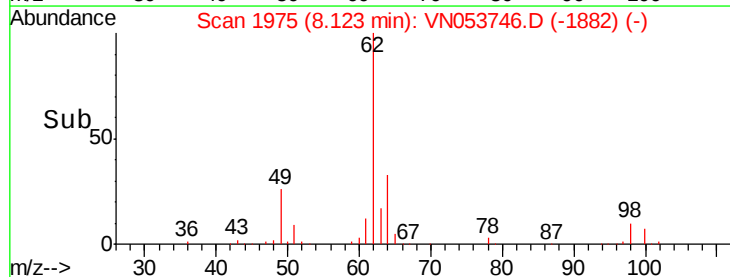
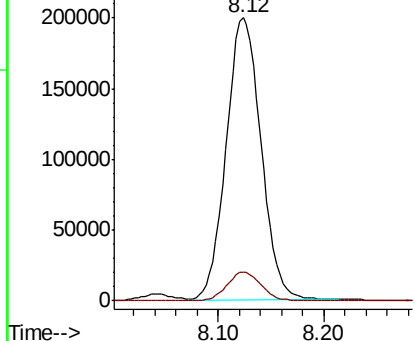


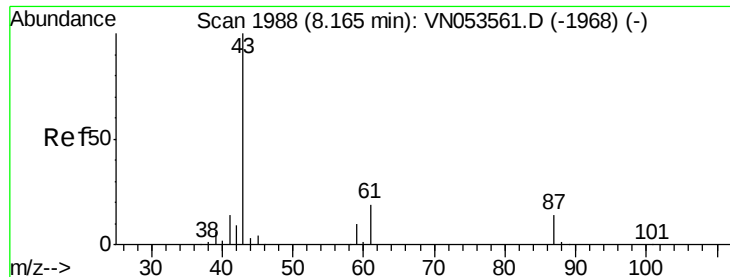
#42
1,2-Dichloroethane
Concen: 53.713 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

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



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.222 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

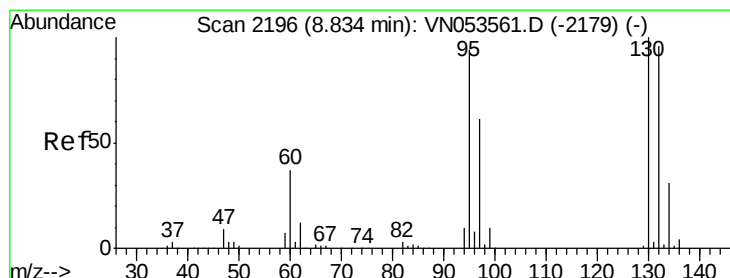
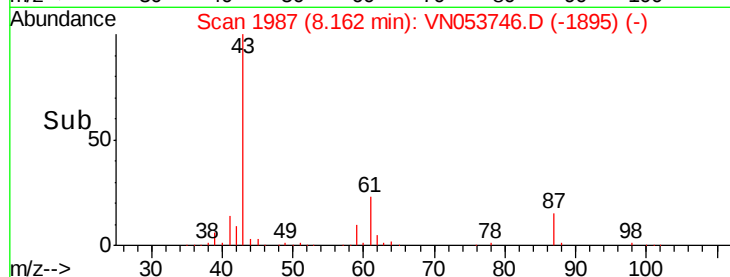
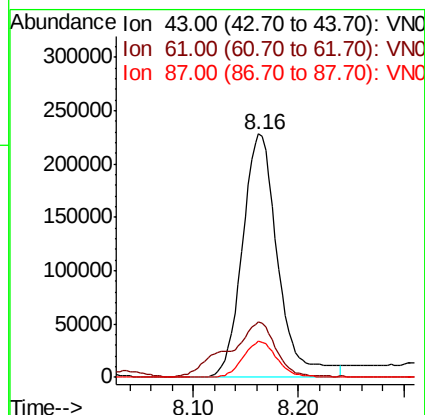
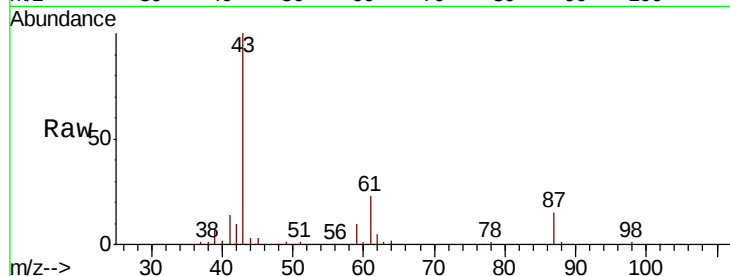
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	532706
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.9	35.9
87	14.4	11.0	16.6

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#44

Trichloroethene

Concen: 53.319 ug/l

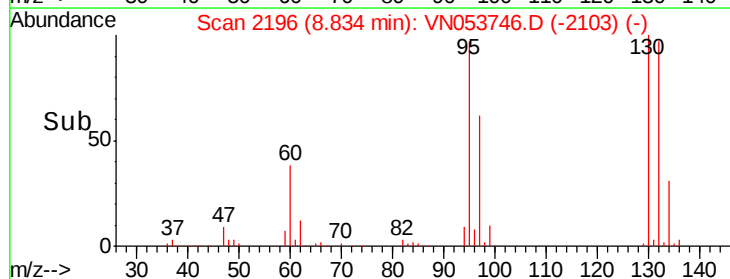
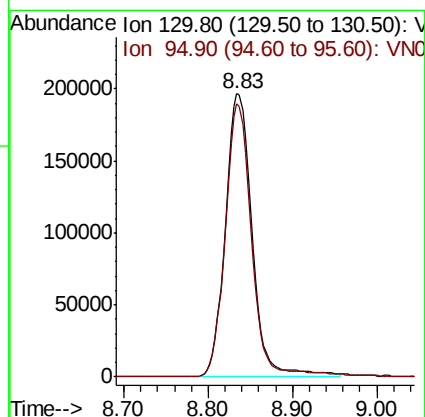
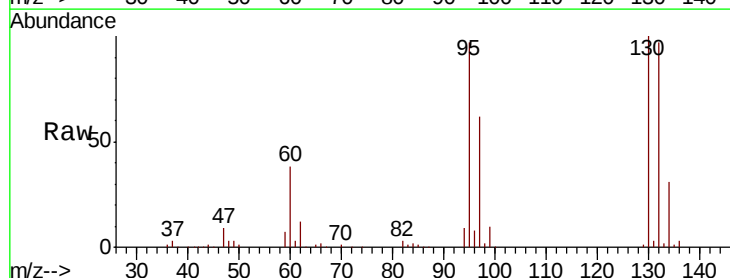
RT: 8.83 min Scan# 2196

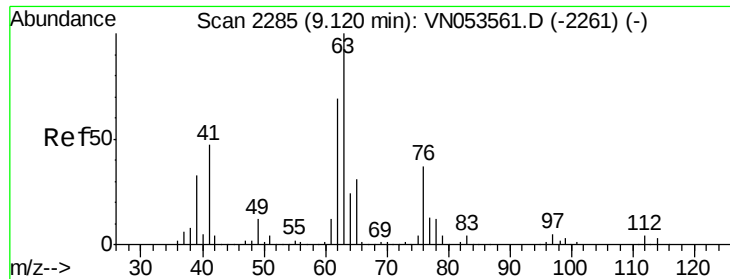
Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	130	Resp:	434393
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	191.4





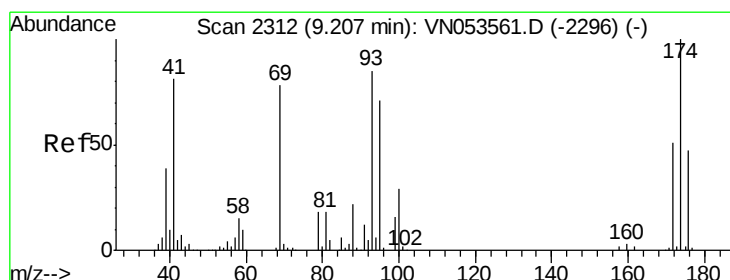
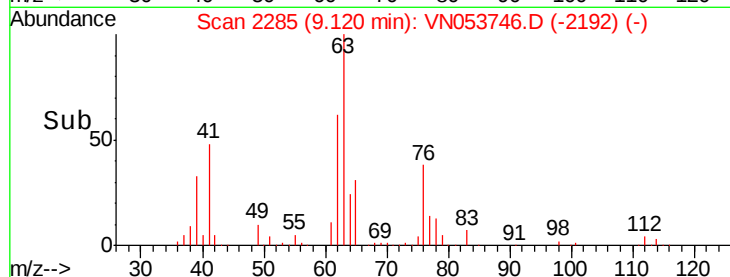
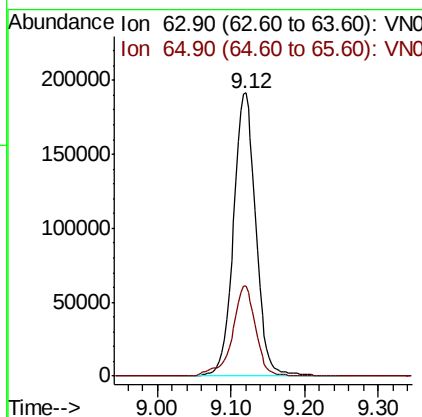
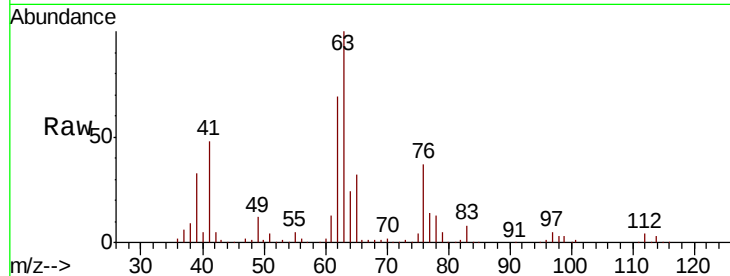
#45
 1,2-Dichloropropane
 Concen: 55.071 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 403086
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4

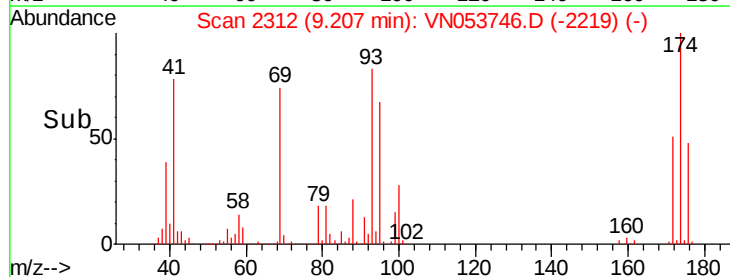
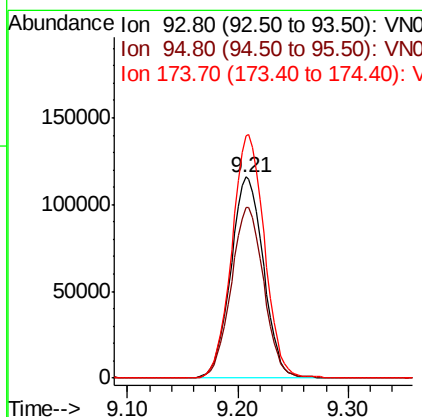
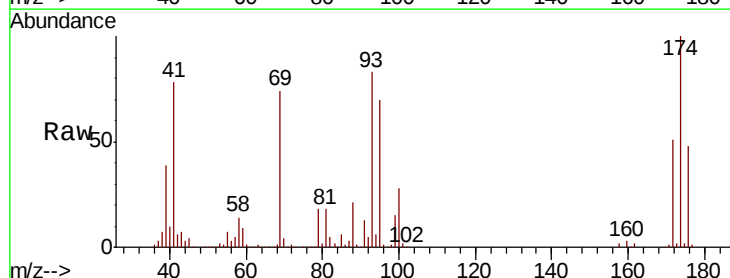
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 2/14/2019 10:39:02 AM



#46
 Dibromomethane
 Concen: 54.122 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion: 93 Resp: 238799
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.3 100.9
 174 120.5 91.0 136.4





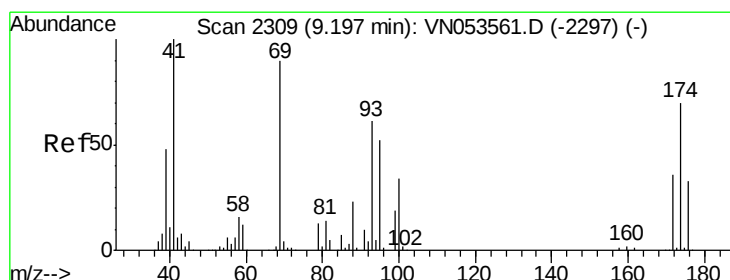
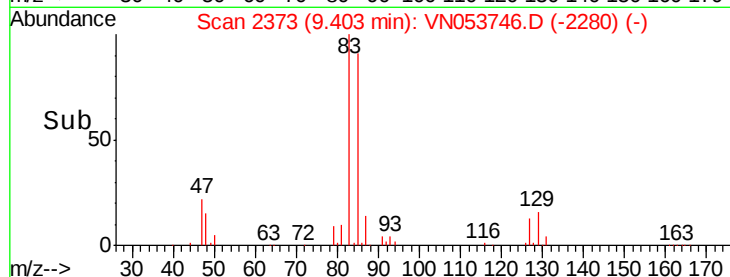
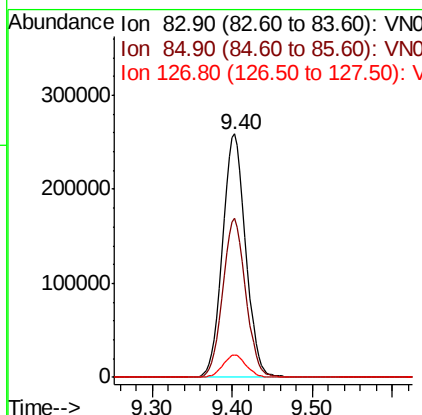
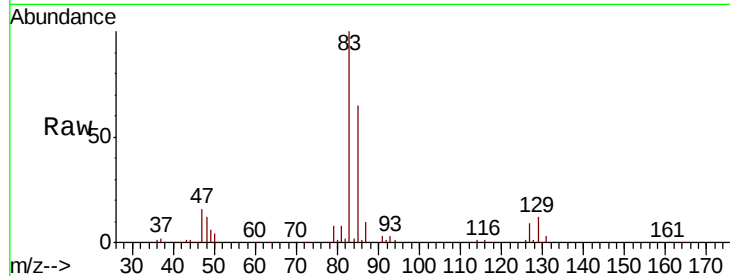
#47
Bromodichloromethane
Concen: 56.048 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.6
127	9.4	7.0	10.6

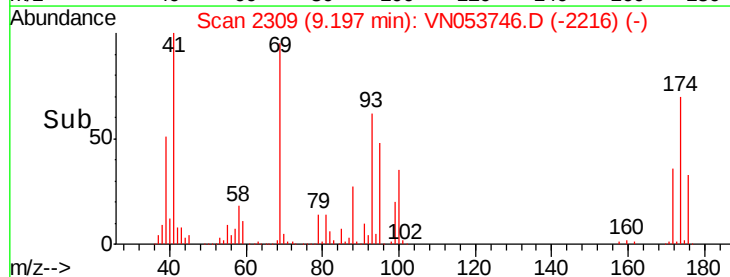
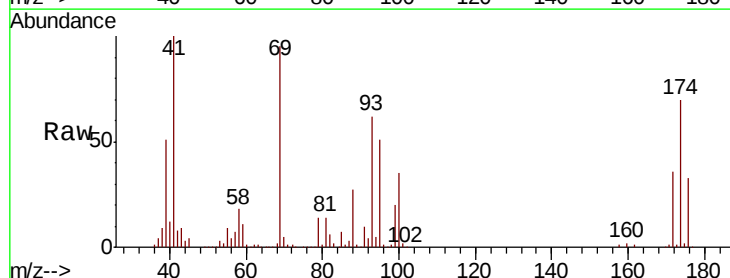
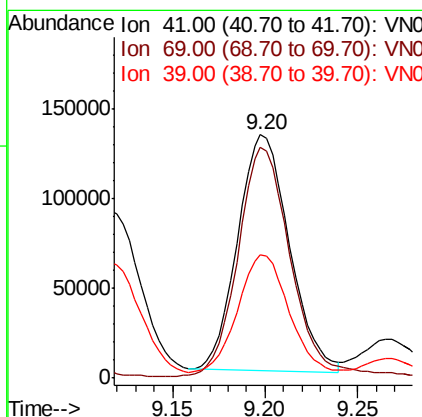
Manual Integrations
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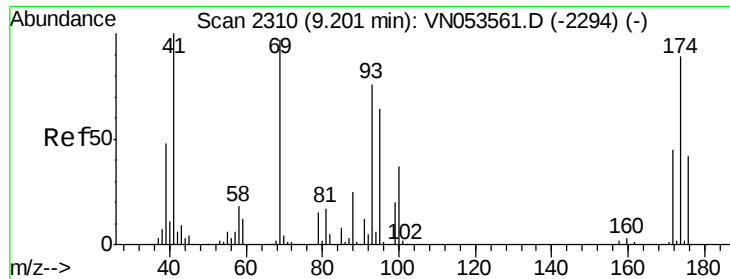
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#48
Methyl methacrylate
Concen: 53.266 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	102.7	73.8	110.6
39	53.5	40.0	60.0





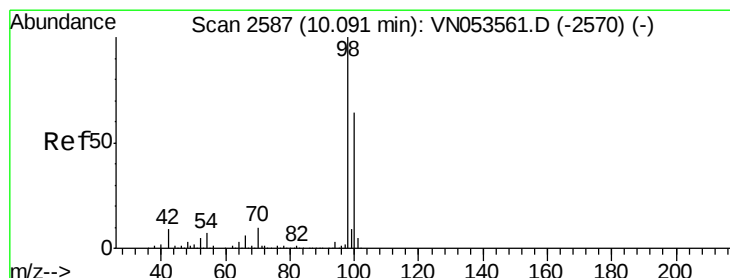
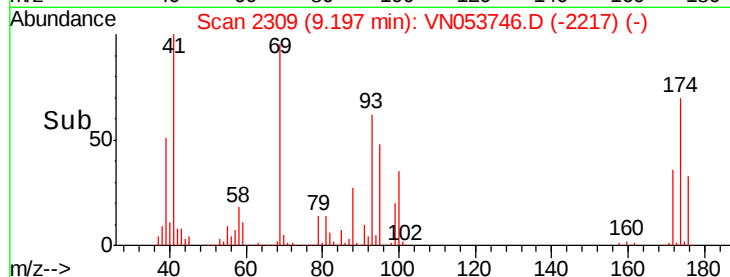
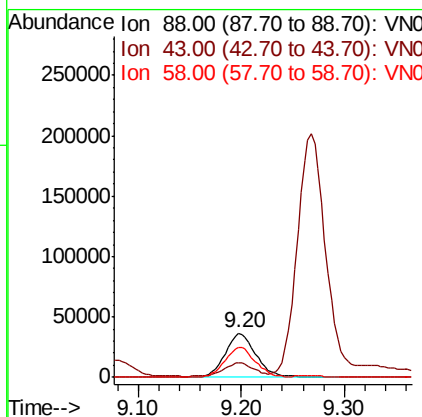
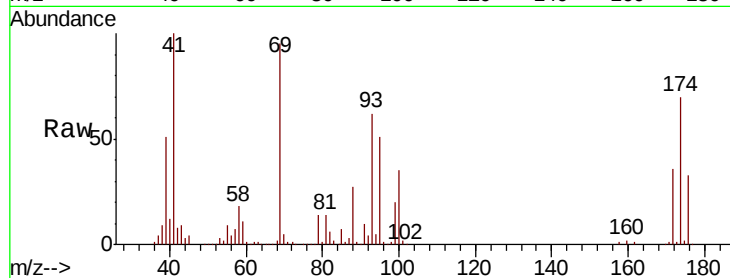
#49
 1,4-Dioxane
 Concen: 1104.216 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	27.8	41.6
58	67.0	56.5	84.7

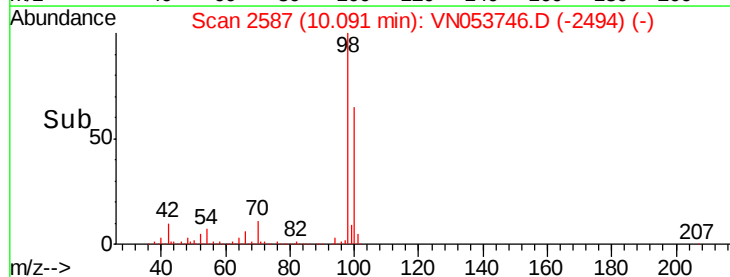
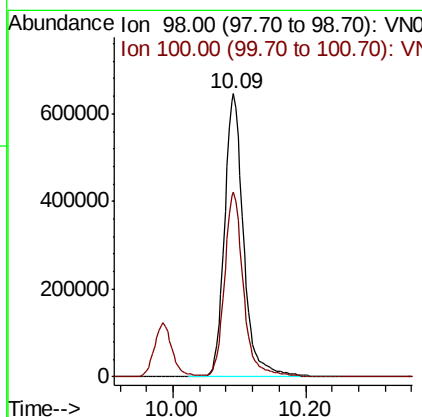
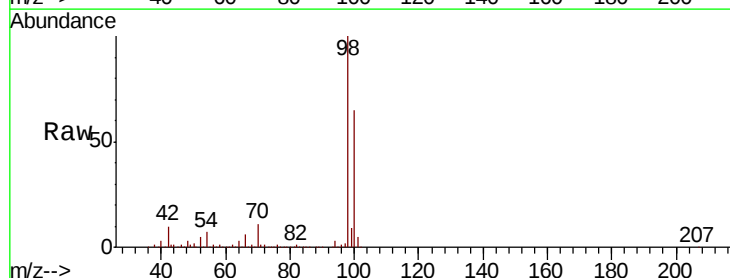
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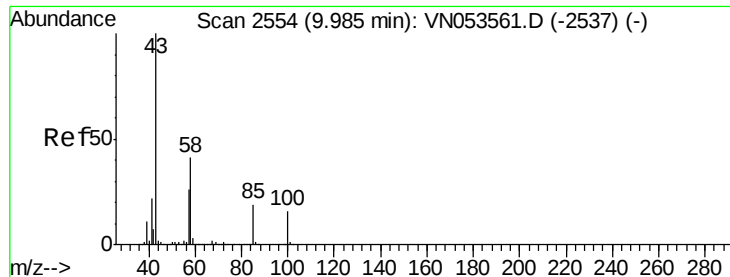
MMDadoda
 2/14/2019 10:39:02 AM



#50
 Toluene-d8
 Concen: 52.628 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 295.513 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1453492

Ion Ratio Lower Upper

43 100

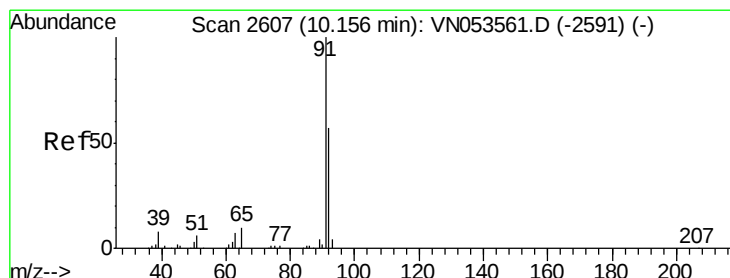
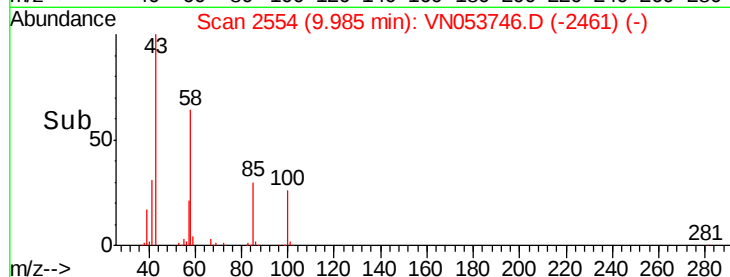
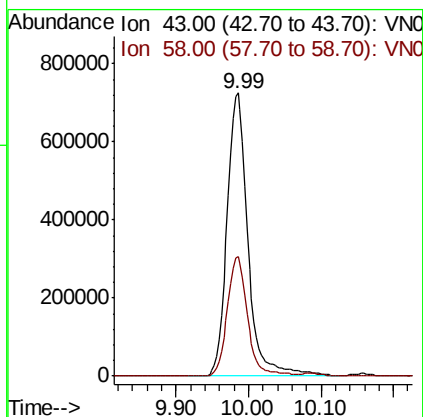
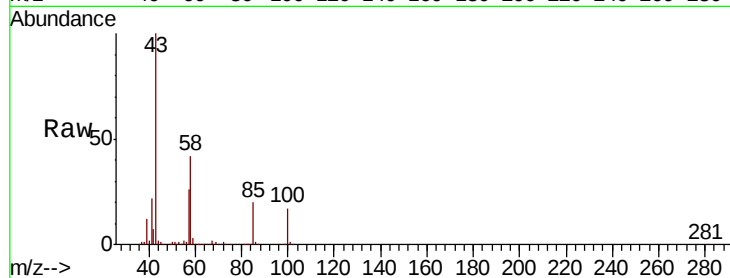
58 41.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 55.149 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053746.D

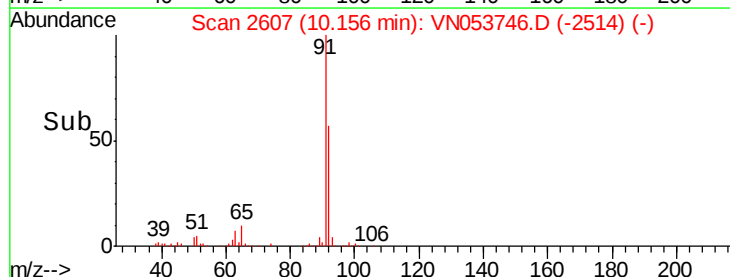
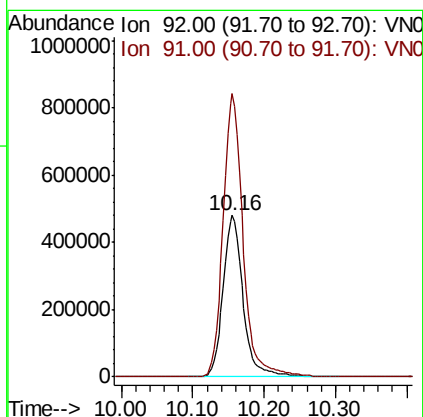
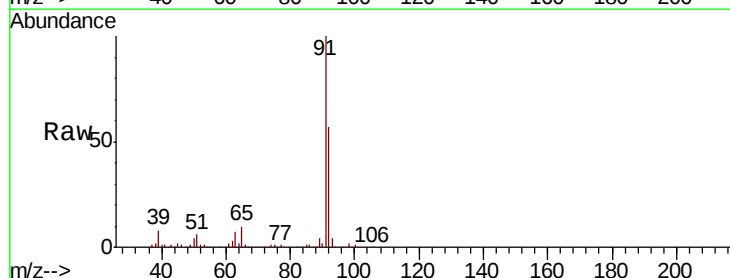
Acq: 13 Feb 2019 10:47

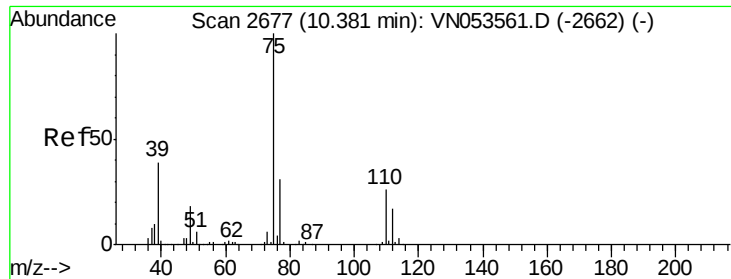
Tgt Ion: 92 Resp: 936650

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9





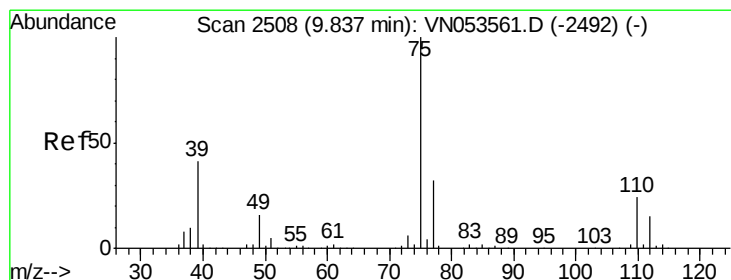
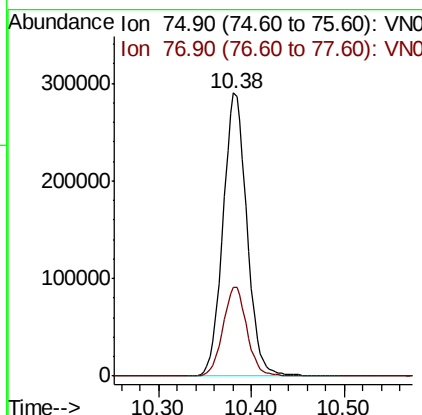
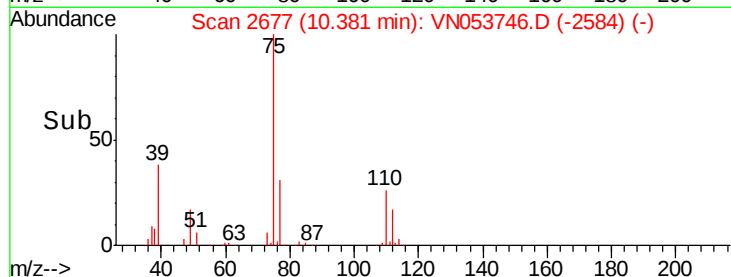
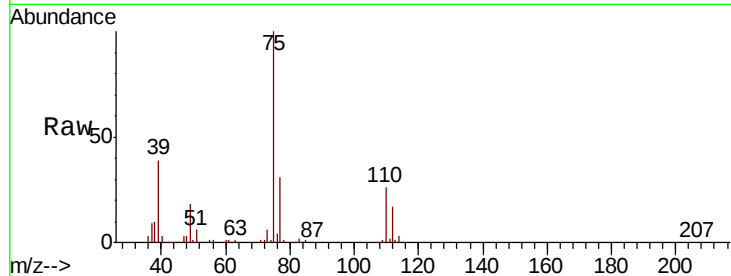
#53
t-1,3-Dichloropropene
Concen: 56.398 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 518092
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

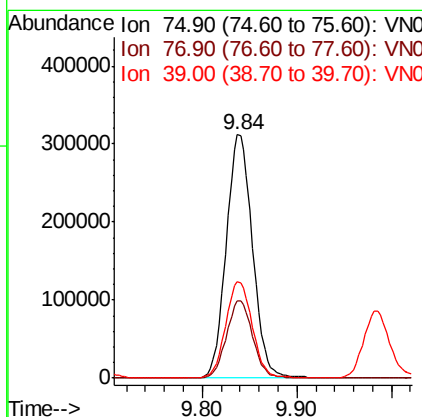
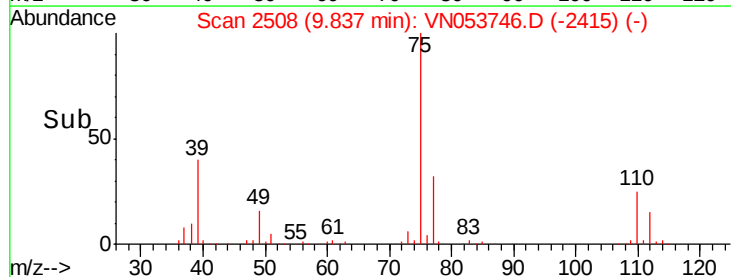
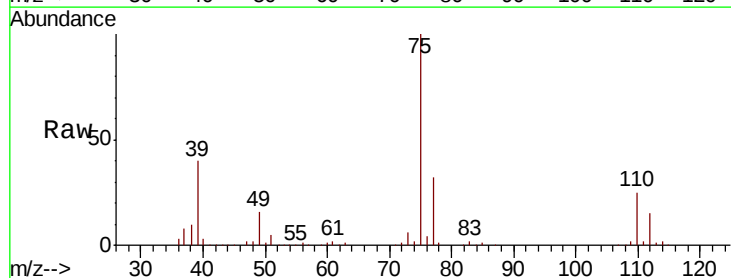
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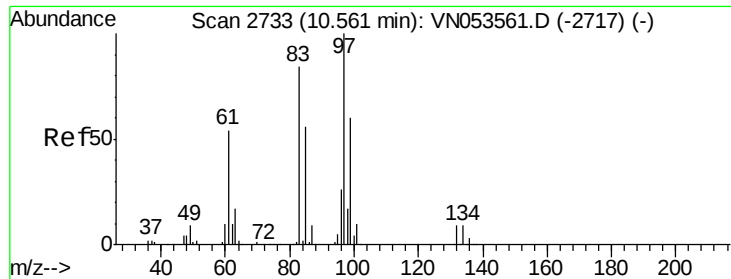
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.462 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 75 Resp: 603748
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6
39 39.6 33.4 50.0





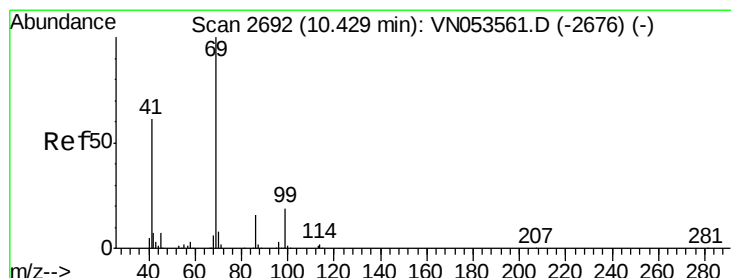
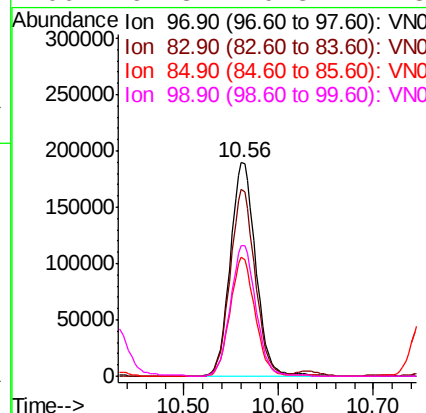
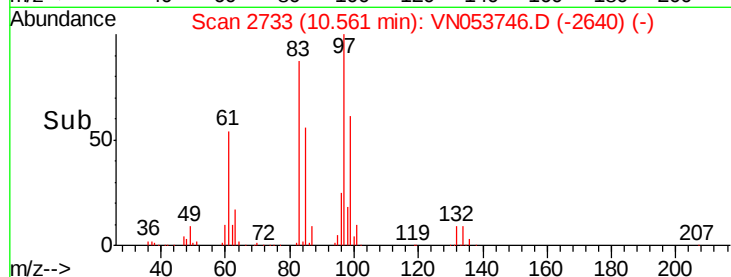
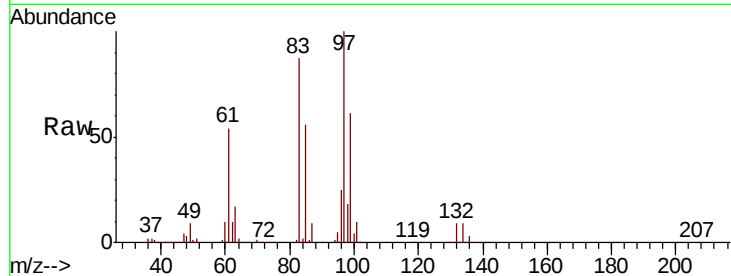
#55
 1,1,2-Trichloroethane
 Concen: 58.013 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	355040
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.1	105.1
85	55.6	45.4	68.0
99	61.3	49.8	74.8

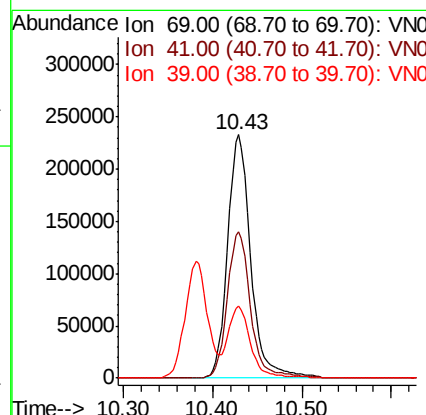
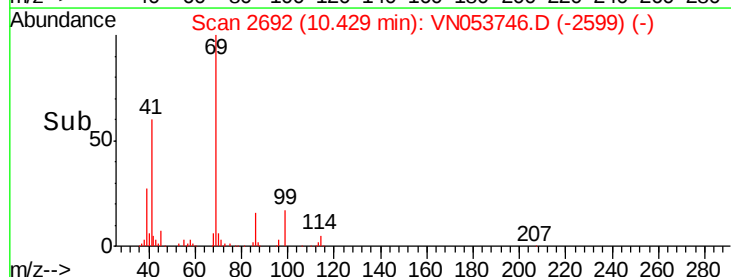
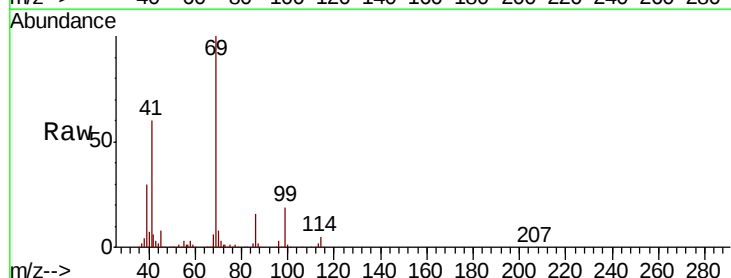
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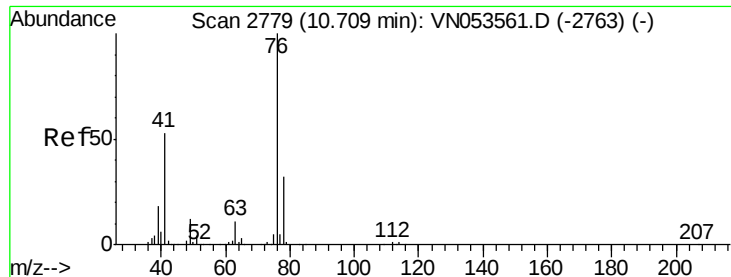
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 2/14/2019 10:39:02 AM



#56
 Ethyl methacrylate
 Concen: 57.974 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion:	69	Resp:	419732
Ion	Ratio	Lower	Upper
69	100		
41	59.9	49.4	74.0
39	28.9	23.3	34.9





#57

1,3-Dichloropropane

Concen: 55.354 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 578975

Ion Ratio Lower Upper

76 100

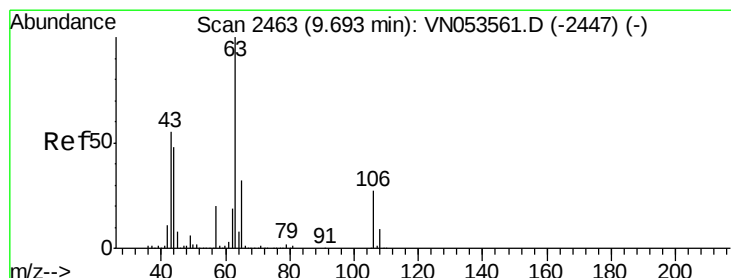
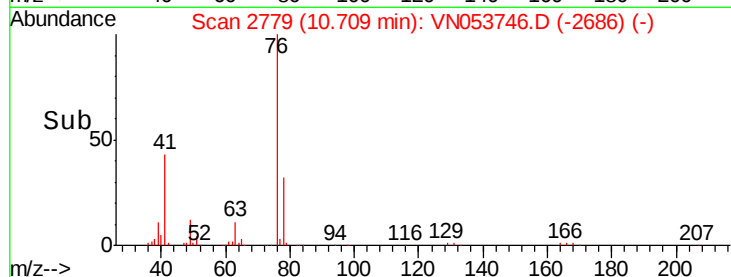
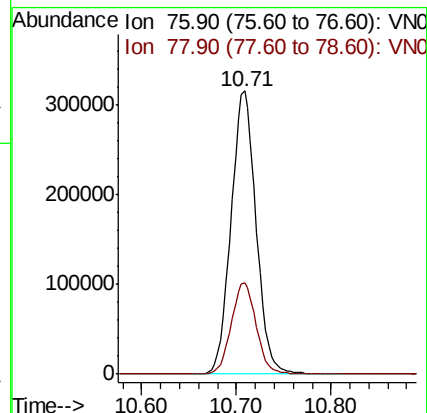
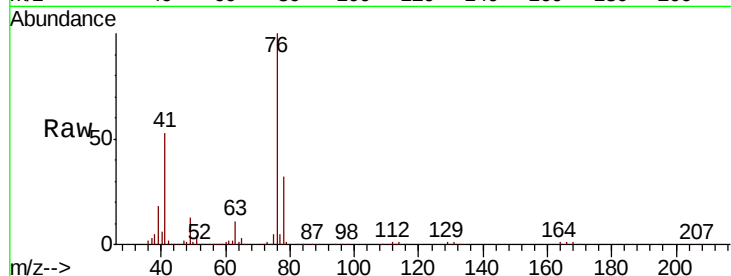
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

2/14/2019 10:39:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 222.354 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053746.D

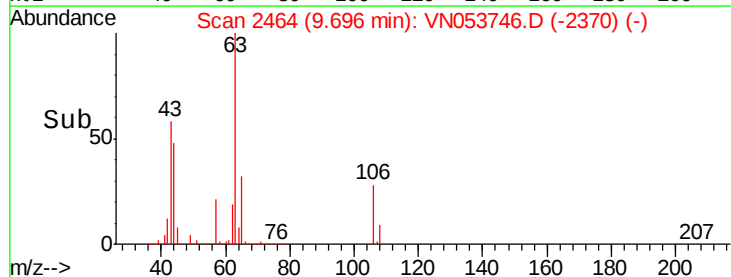
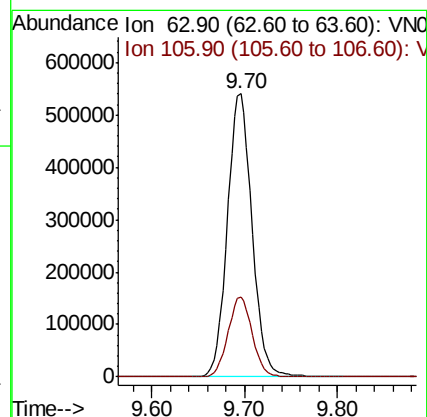
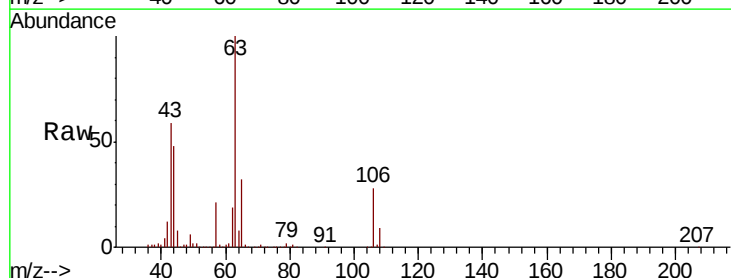
Acq: 13 Feb 2019 10:47

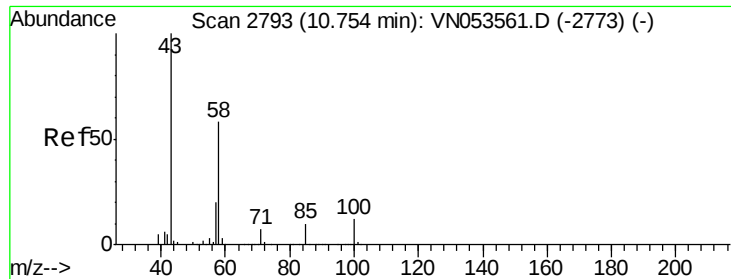
Tgt Ion: 63 Resp: 994270

Ion Ratio Lower Upper

63 100

106 27.8 21.5 32.3





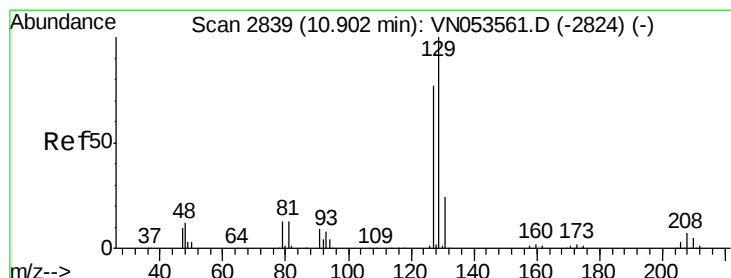
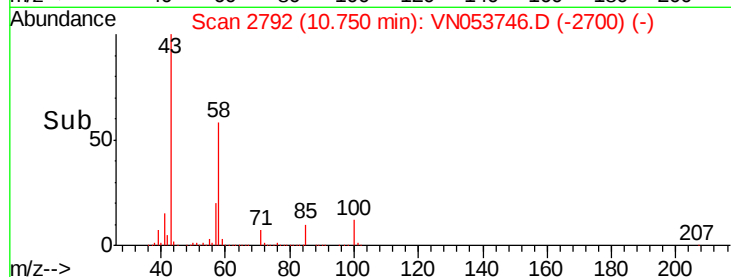
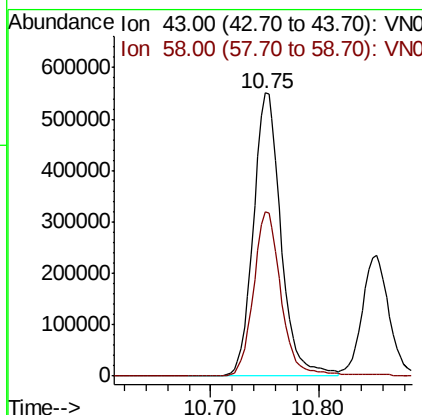
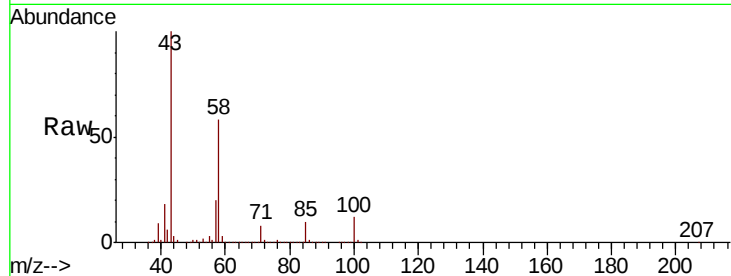
#59
2-Hexanone
Concen: 291.560 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 973534
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8

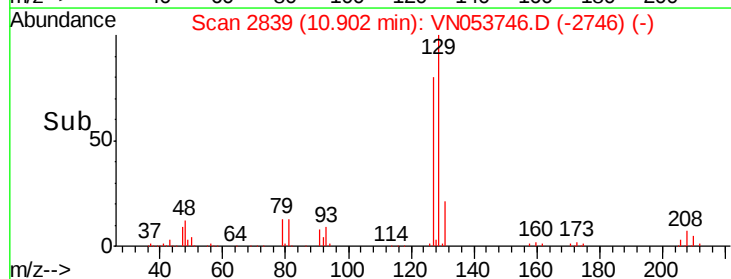
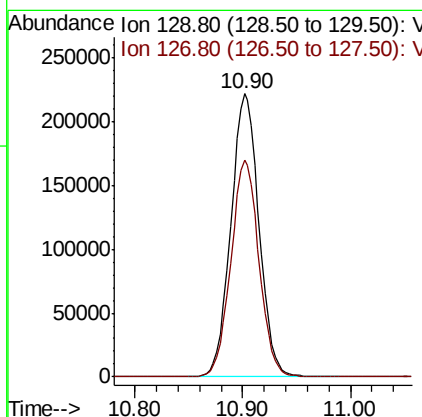
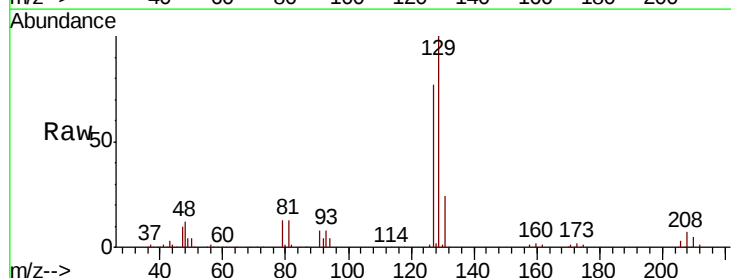
Manual Integrations
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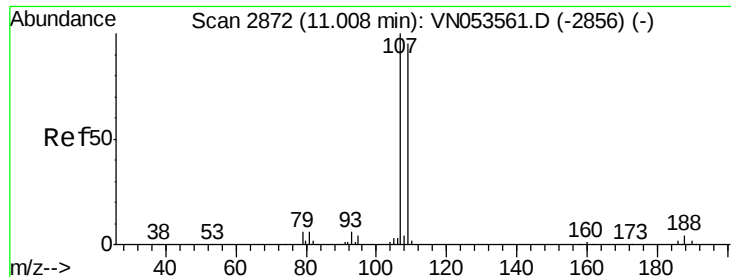
MMDadoda
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#60
Dibromochloromethane
Concen: 58.274 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 129 Resp: 402173
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





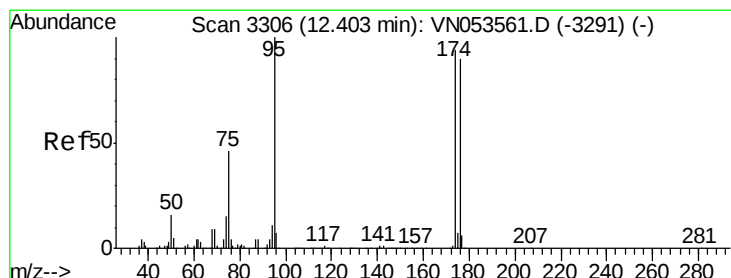
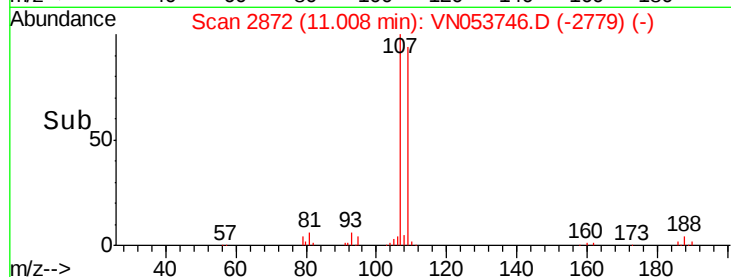
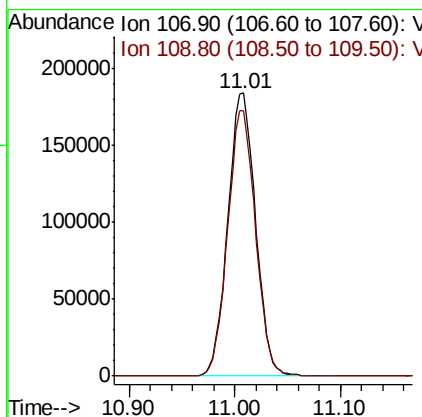
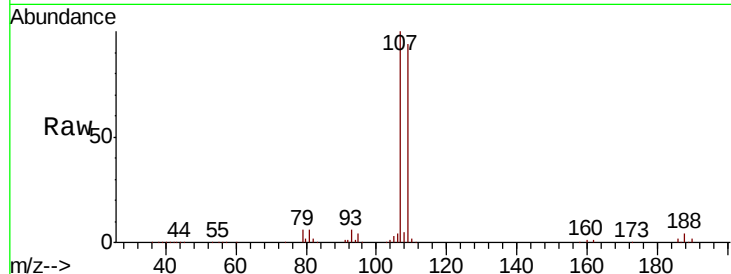
#61
 1,2-Dibromoethane
 Concen: 55.247 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.7	113.5

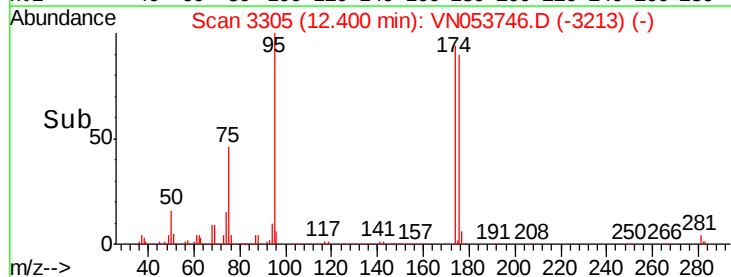
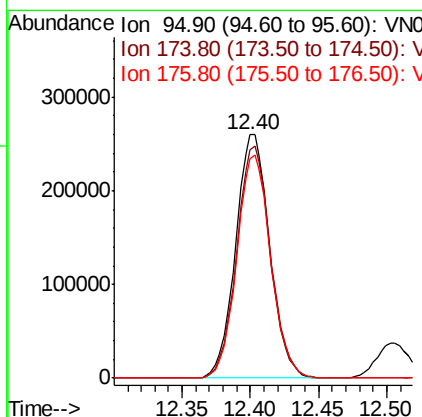
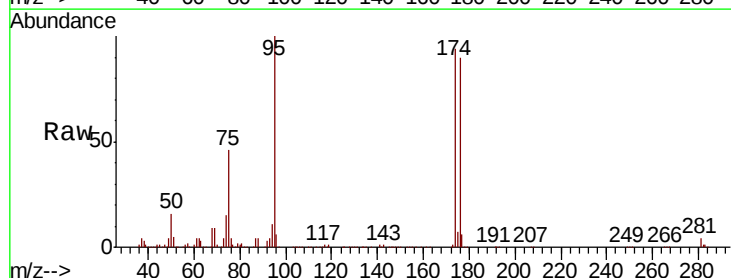
Manual Integrations
 APPROVED

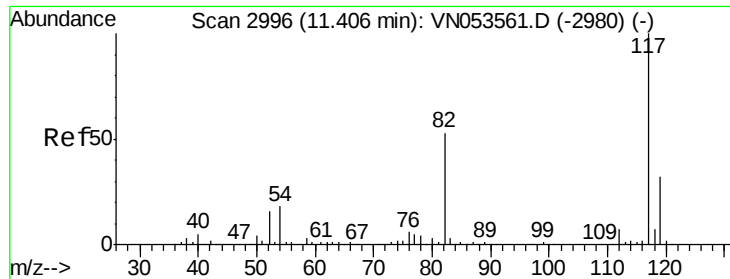
MMDadoda
 2/14/2019 10:39:02 AM



#62
 4-Bromofluorobenzene
 Concen: 55.182 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	183.2
176	91.0	0.0	177.4





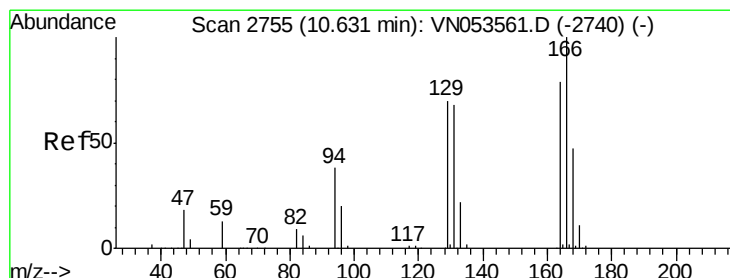
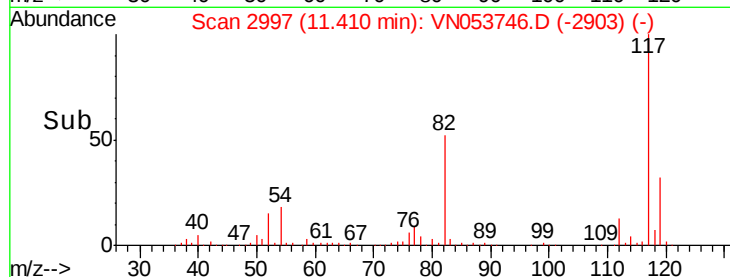
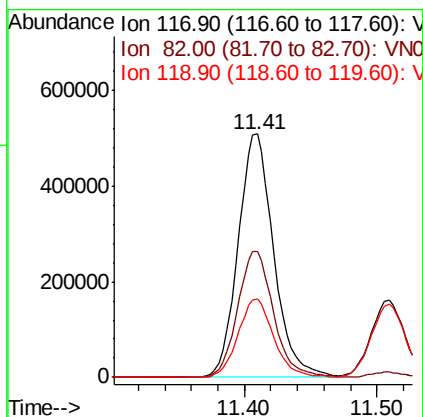
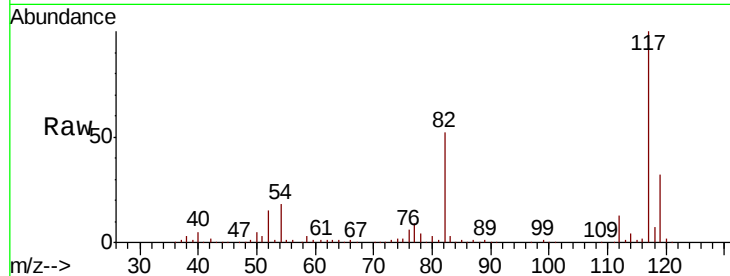
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.9	64.3
119	32.3	26.0	39.0

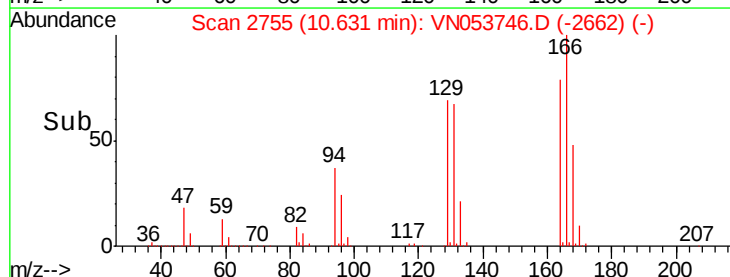
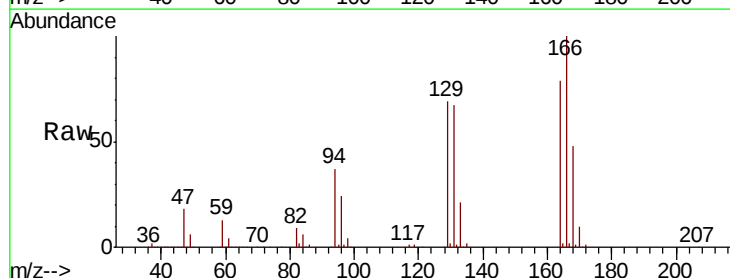
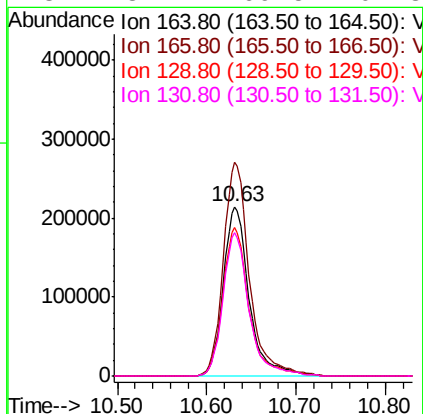
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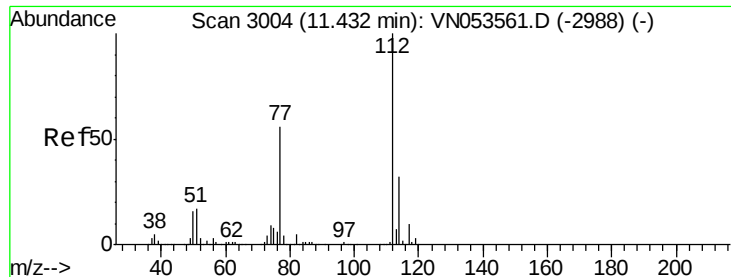
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#64
Tetrachloroethene
Concen: 53.014 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.2	153.4
129	87.6	72.6	109.0
131	84.4	69.5	104.3





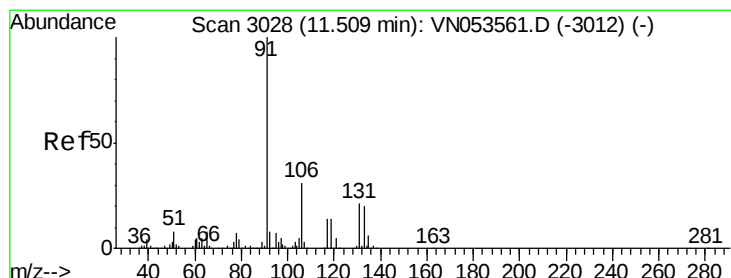
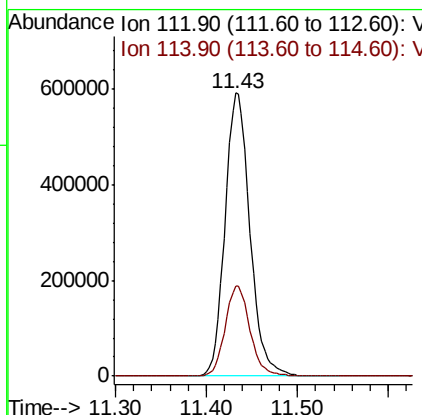
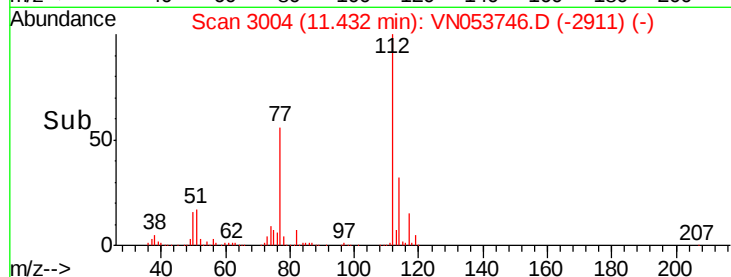
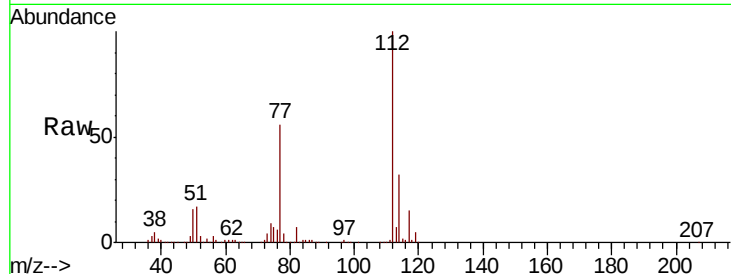
#65
Chlorobenzene
Concen: 55.799 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1123320
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

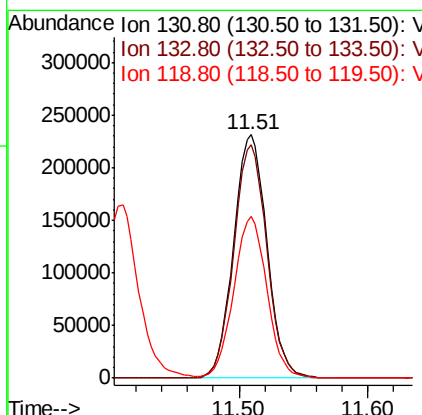
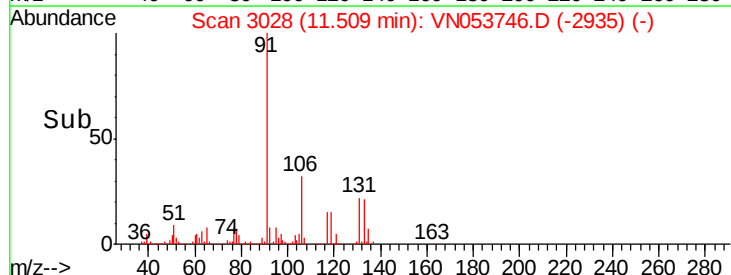
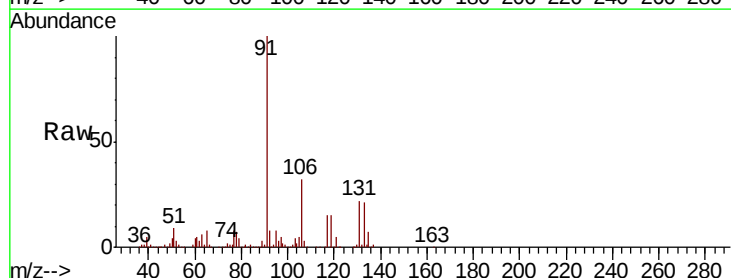
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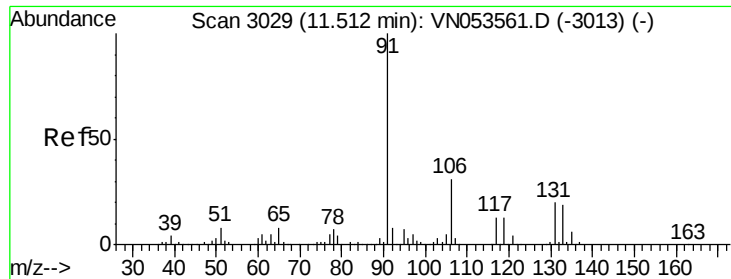
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.197 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:131 Resp: 416197
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.0 33.5 100.5





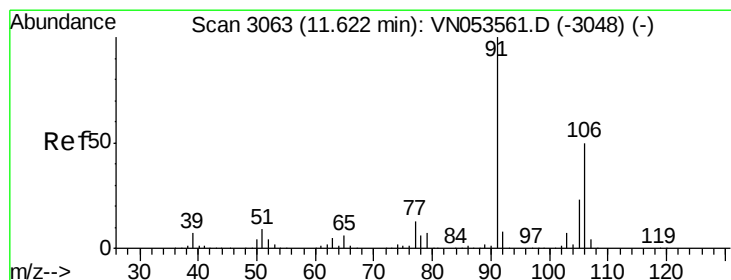
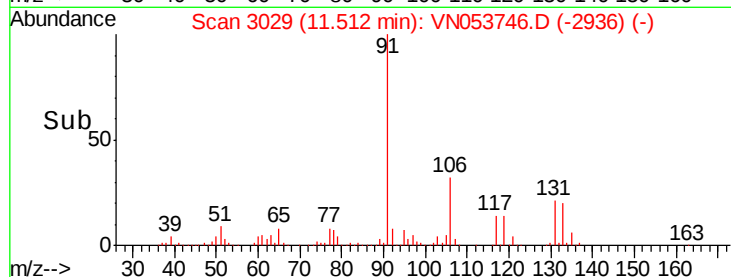
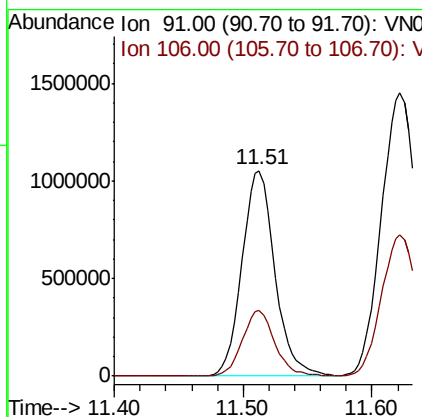
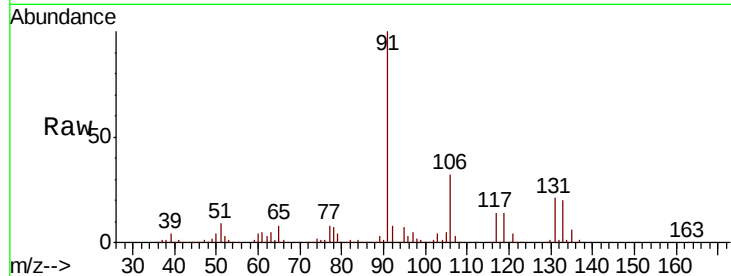
#67
Ethyl Benzene
Concen: 56.580 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1871071
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

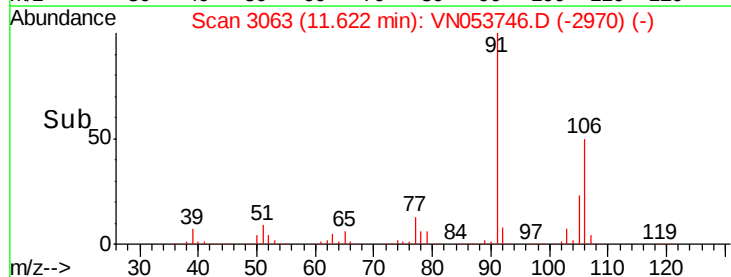
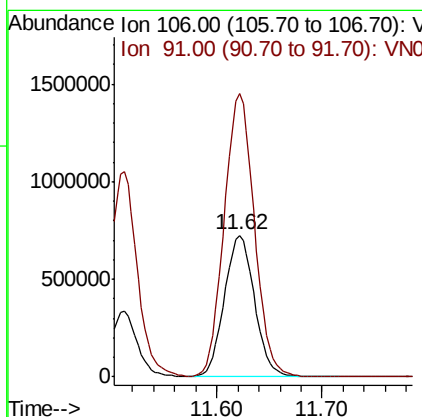
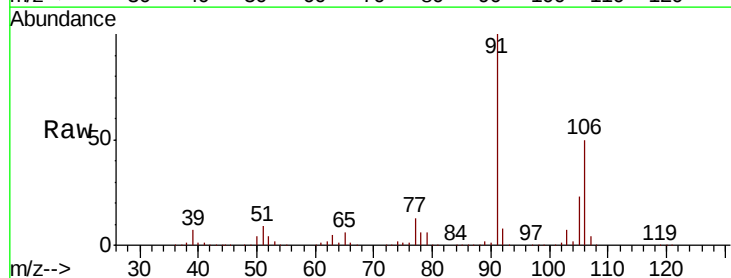
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2/14/2019 10:39:02 AM



#68
m/p-Xylenes
Concen: 113.999 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion: 106 Resp: 1438834
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.2





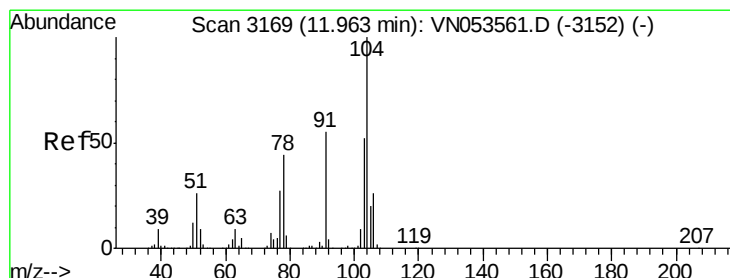
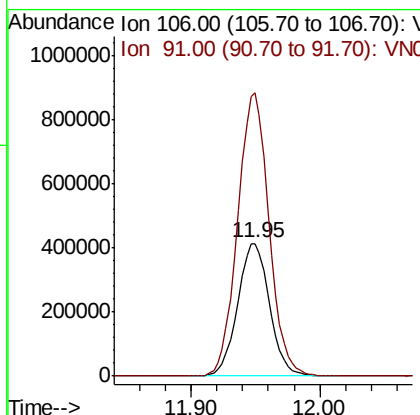
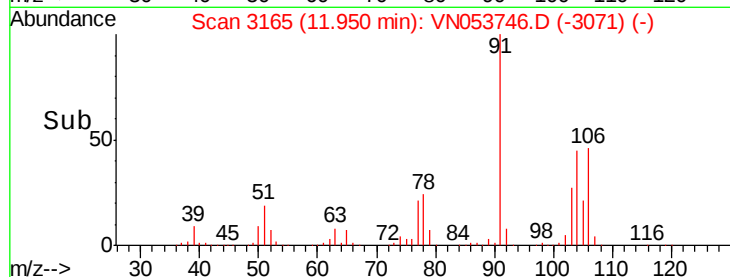
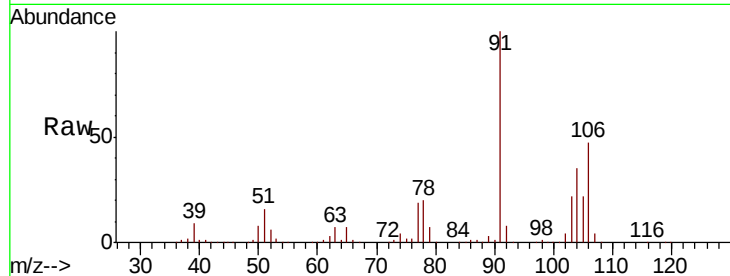
#69
o-Xylene
Concen: 58.211 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 709805
Ion Ratio Lower Upper
106 100
91 210.3 106.9 320.8

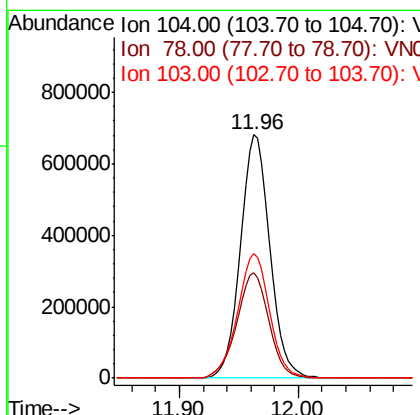
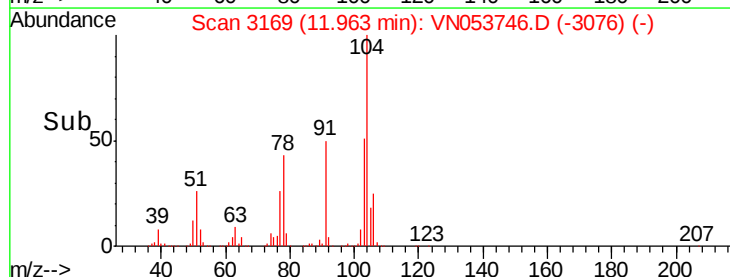
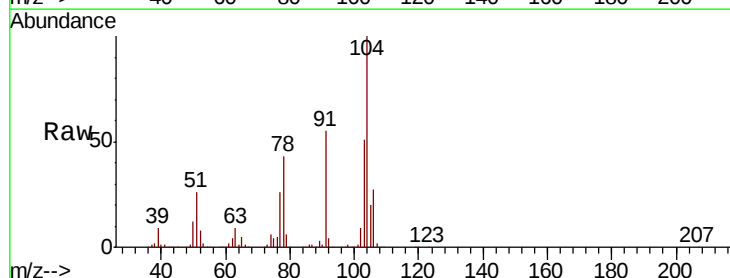
Manual Integrations
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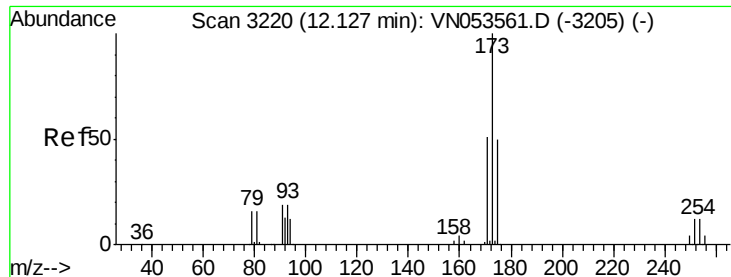
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#70
Styrene
Concen: 59.063 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:104 Resp: 1167288
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.6 44.4 66.6





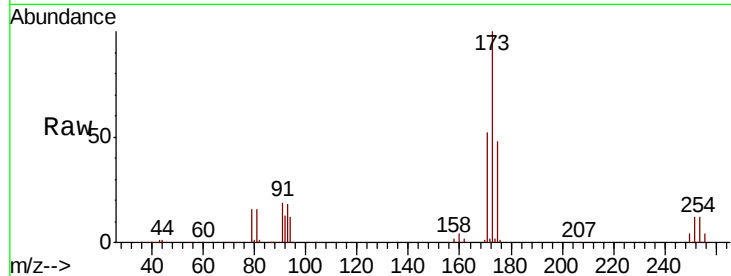
#71
Bromoform
Concen: 60.793 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

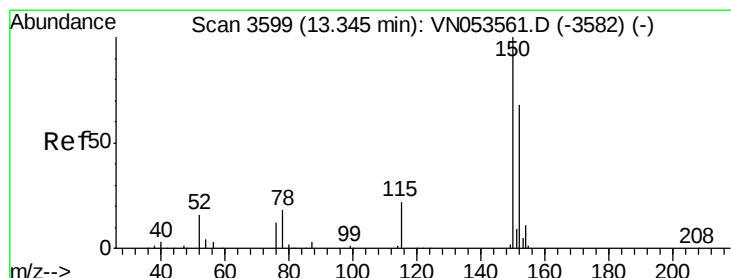
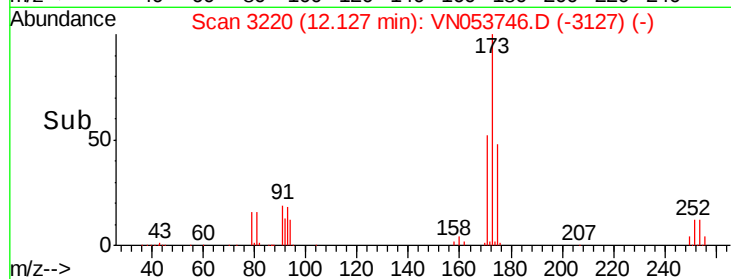
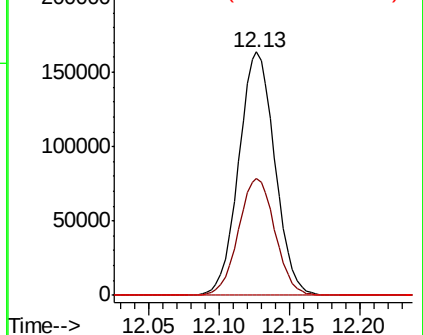
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.2	0.2	0.2

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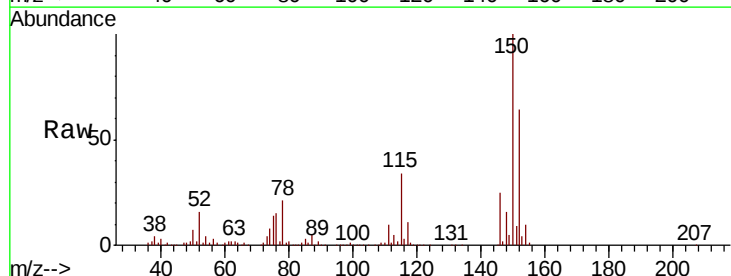


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

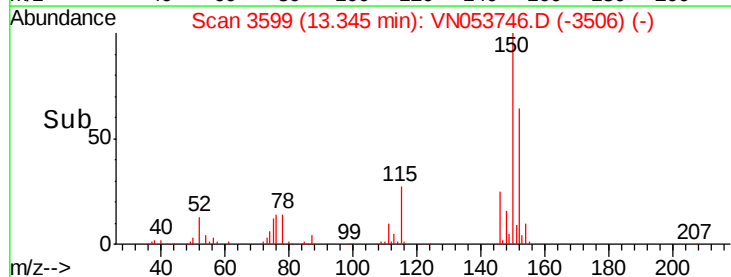
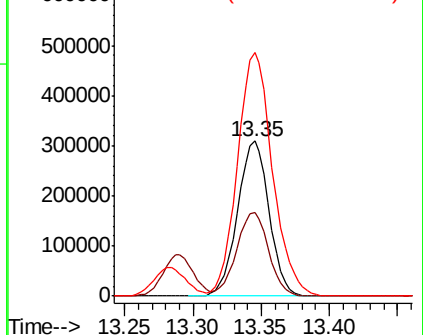


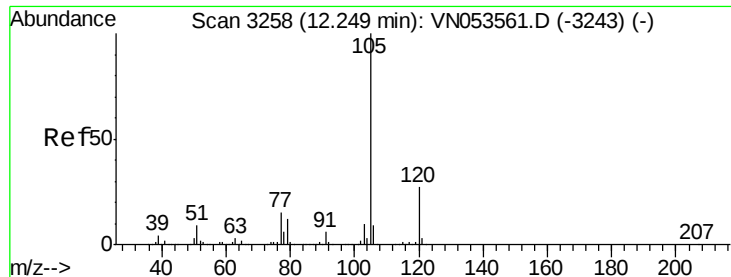
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	174.5	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: 51.601 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1799498

Ion Ratio Lower Upper

105 100

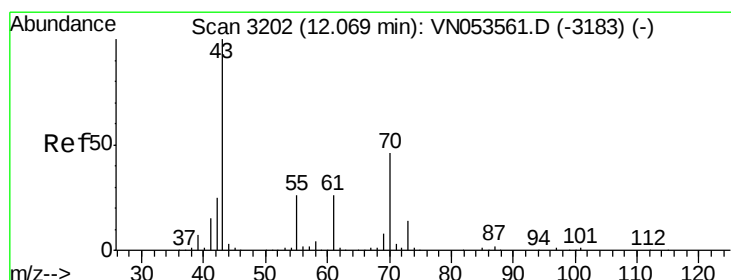
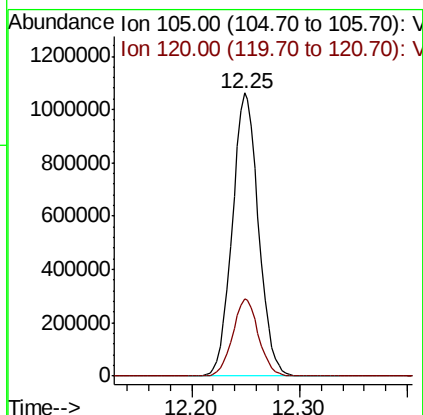
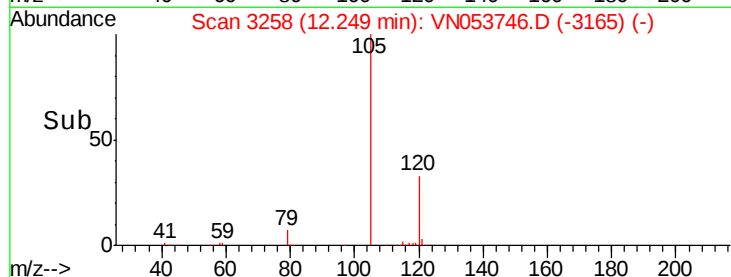
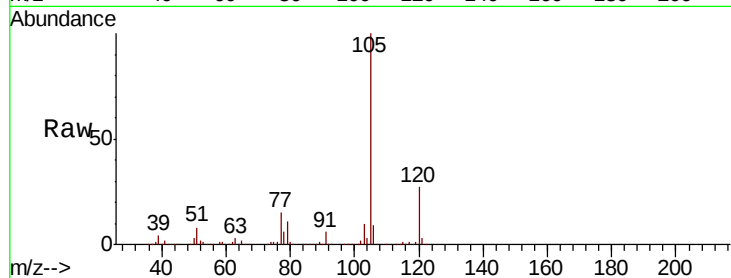
120 27.0 13.6 40.7

Manual Integrations

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2/14/2019 10:39:02 AM



#74

N-ethyl acetate

Concen: 52.889 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion: 43 Resp: 443520

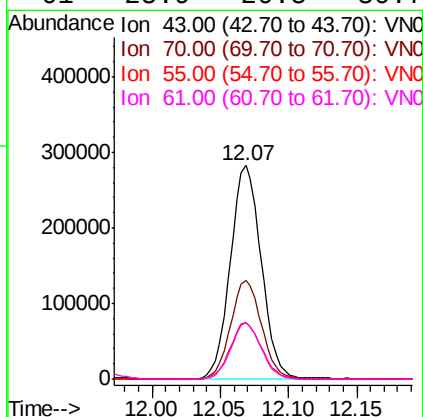
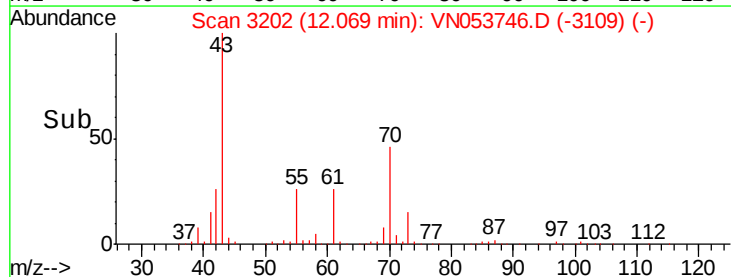
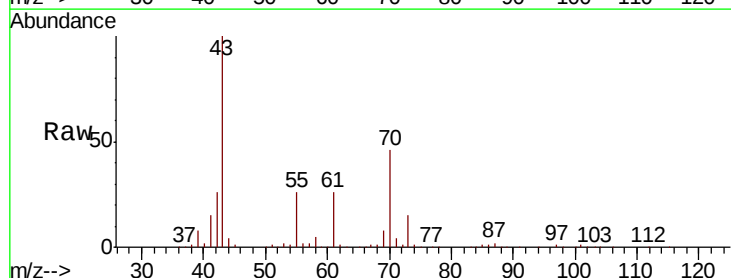
Ion Ratio Lower Upper

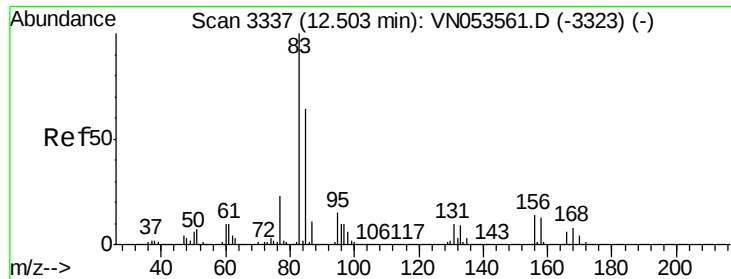
43 100

70 46.1 35.4 53.2

55 26.9 20.9 31.3

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.841 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

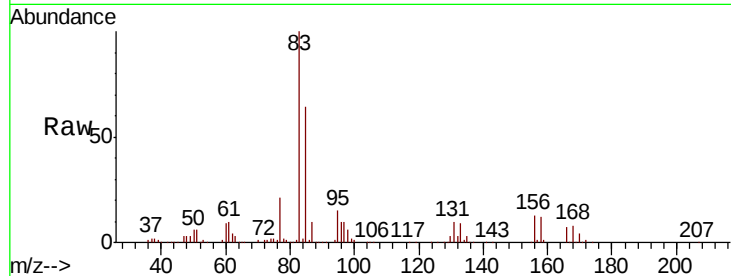
ClientSampleId :

VSTDCCC050

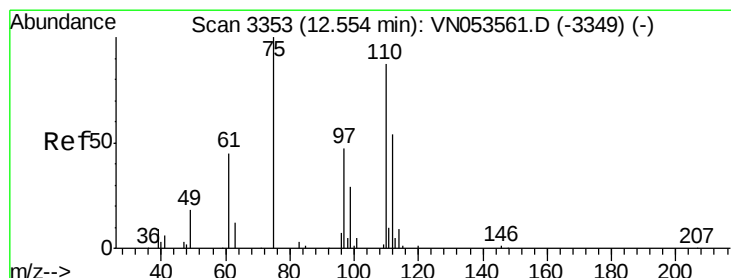
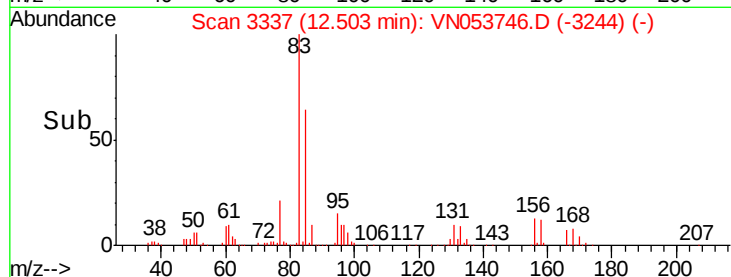
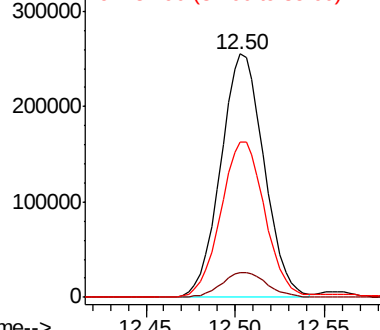
Tot Ion:	83	Resp:	432661
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.9	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 55.814 ug/l m

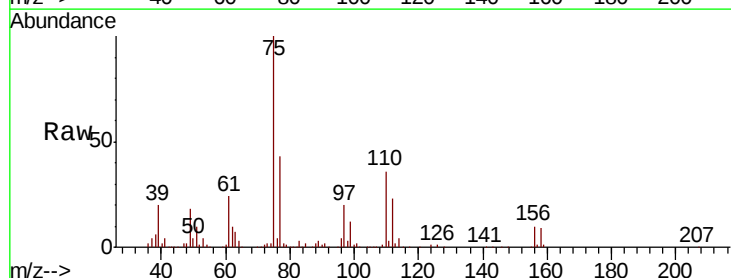
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

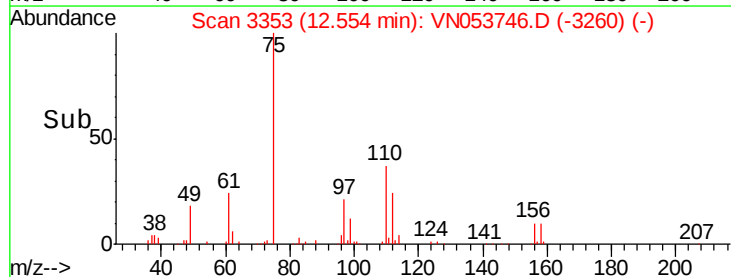
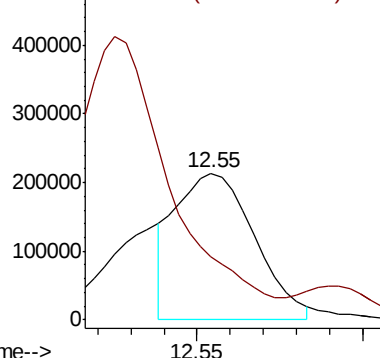
Lab File: VN053746.D

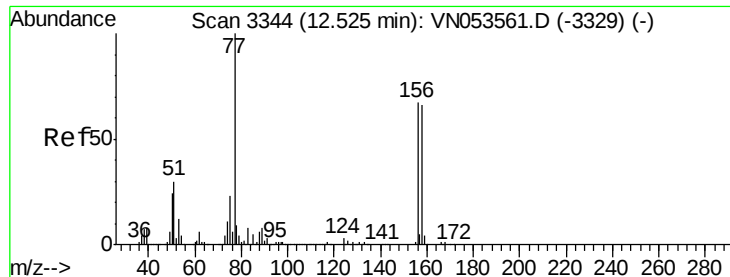
Acq: 13 Feb 2019 10:47

Tgt Ion:	75	Resp:	355631
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 52.148 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

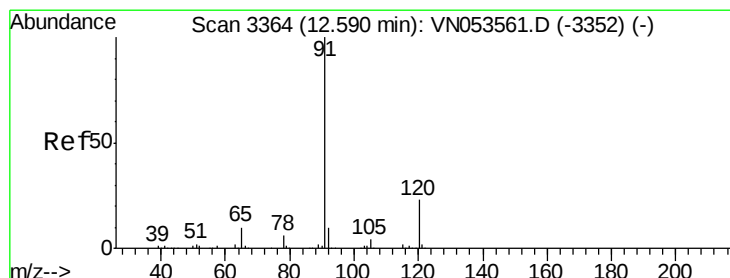
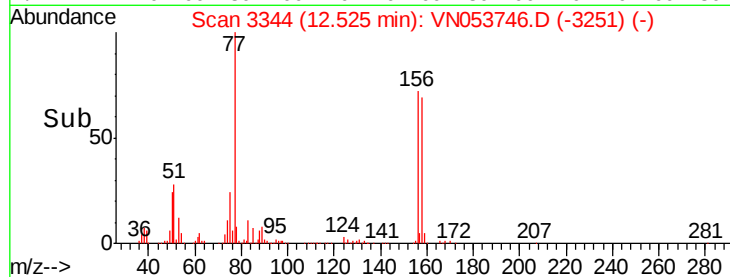
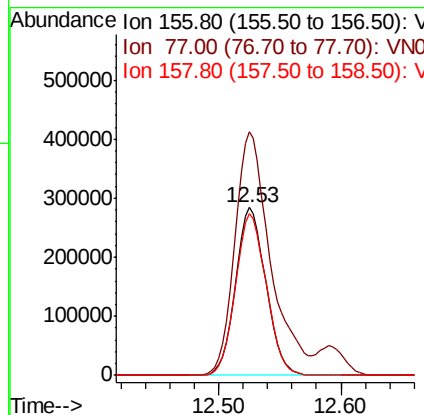
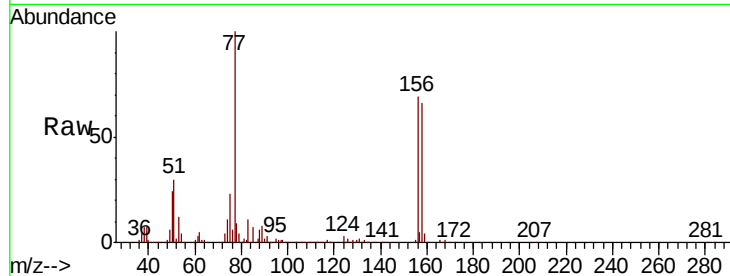
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	490111
Ion Ratio	Lower	Upper	
156	100		
77	171.5	87.9	263.8
158	97.5	48.8	146.4

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#78

n-propylbenzene

Concen: 53.313 ug/l

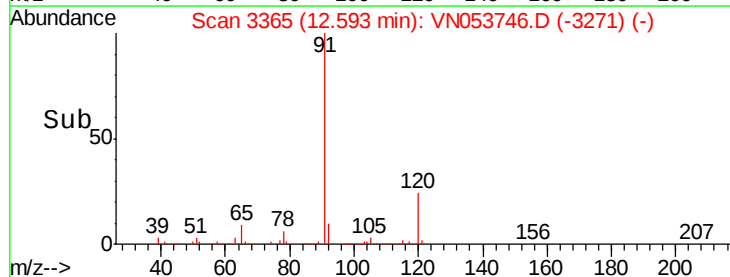
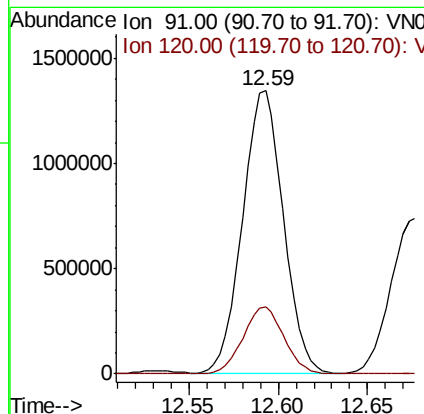
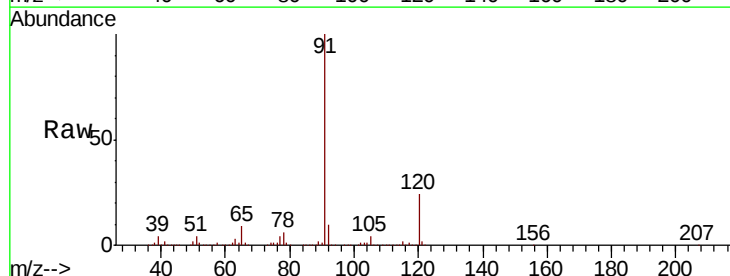
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	91	Resp:	2149244
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.836 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1239781

Ion Ratio Lower Upper

91 100

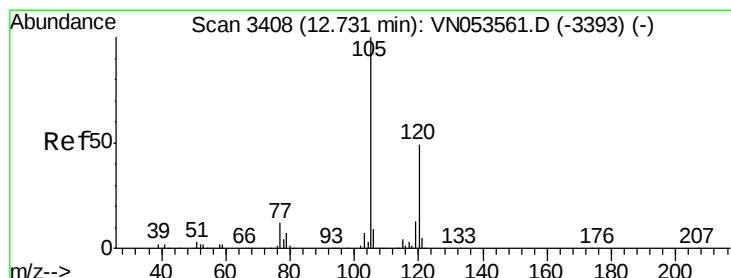
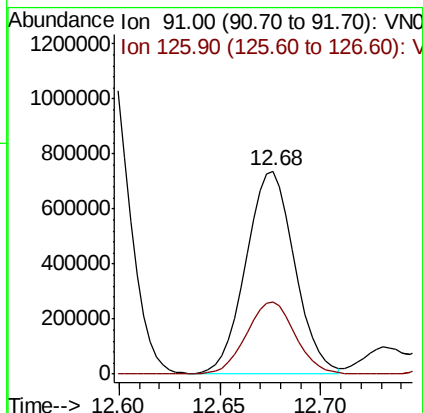
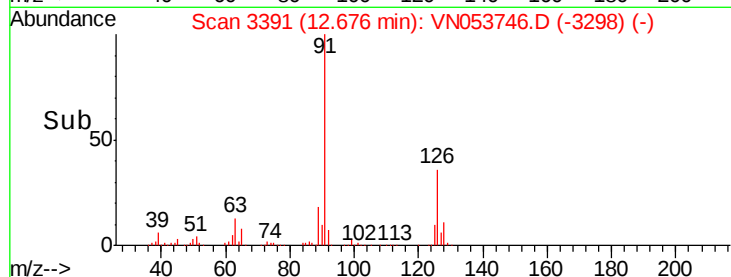
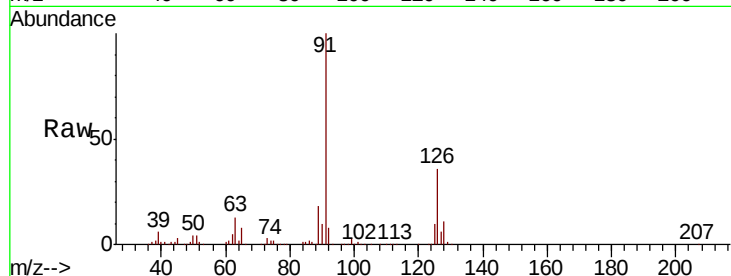
126 36.0 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 54.240 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053746.D

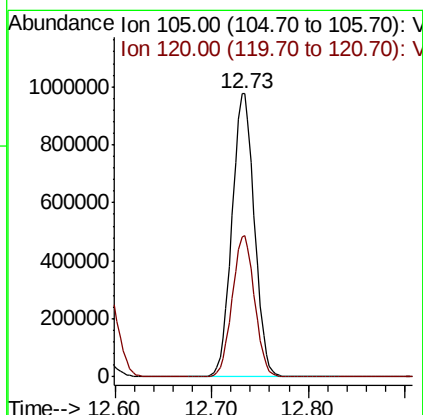
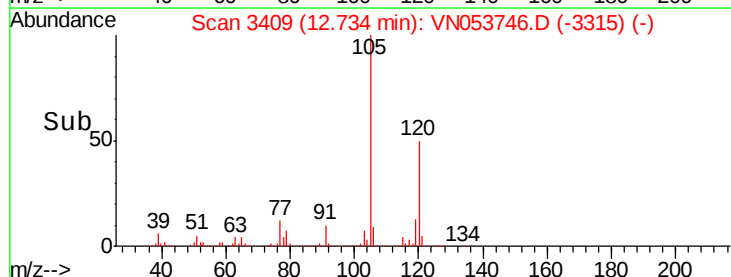
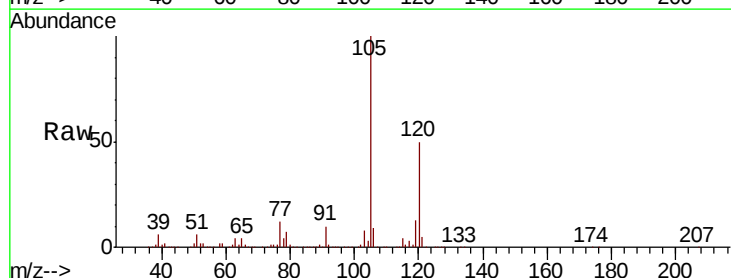
Acq: 13 Feb 2019 10:47

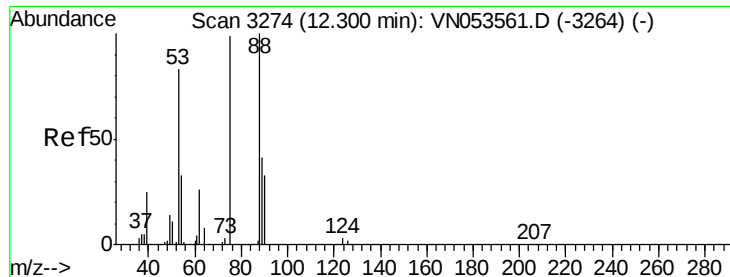
Tgt Ion: 105 Resp: 1568519

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





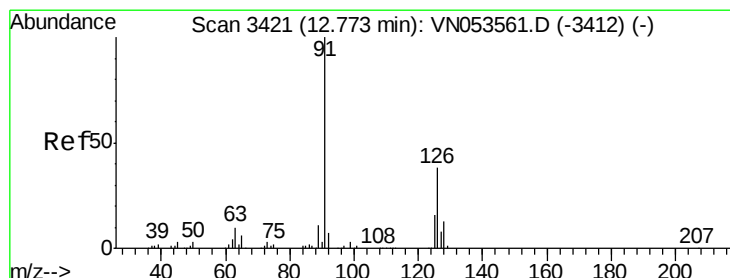
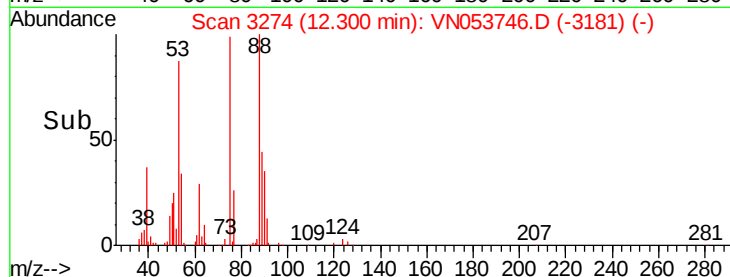
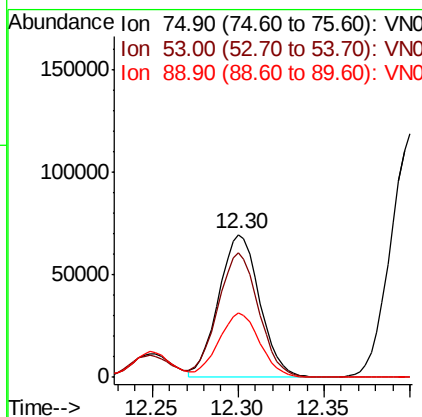
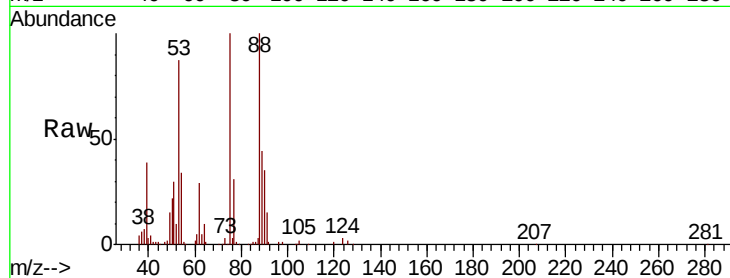
#81
trans-1,4-Dichloro-2-butene
Concen: 51.013 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.5	69.8	104.6
89	45.7	35.6	53.4

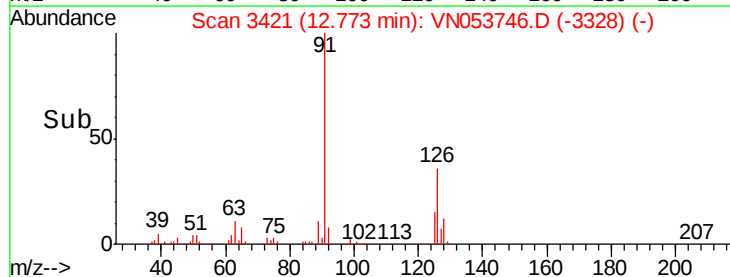
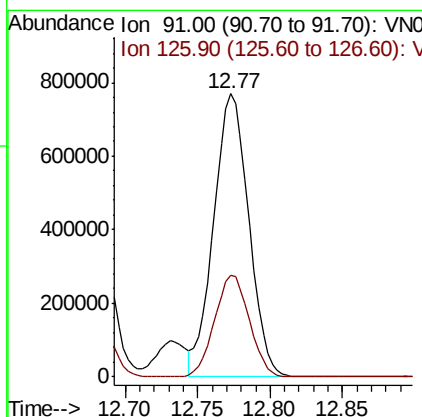
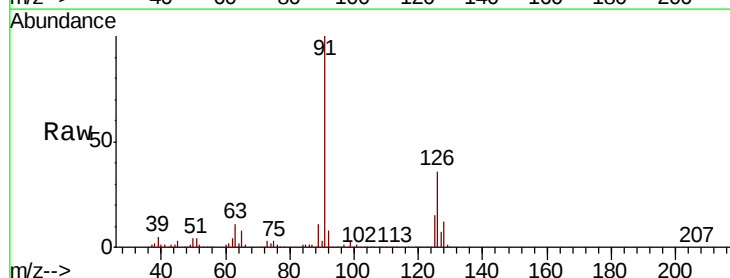
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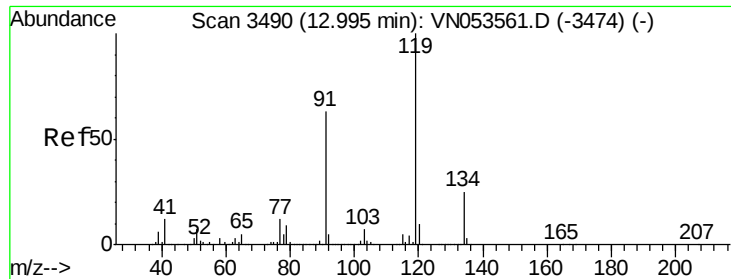
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.552 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.9





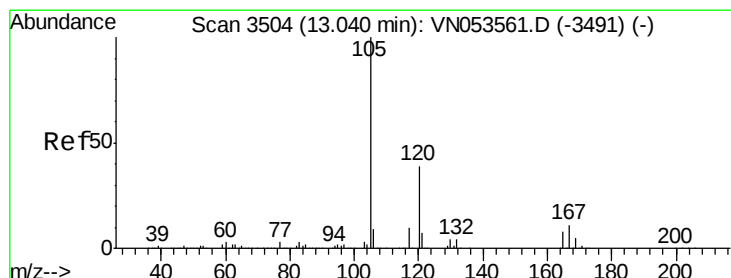
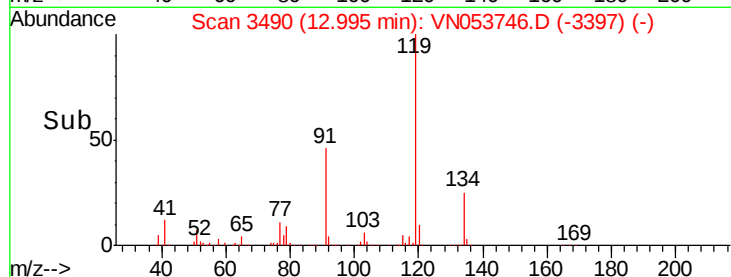
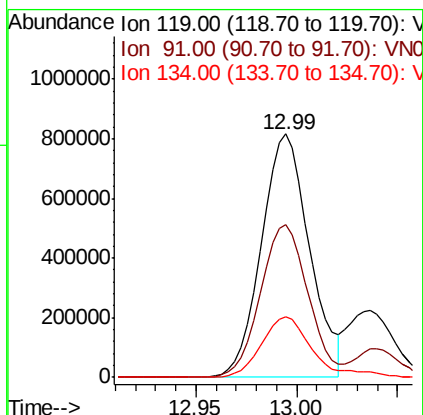
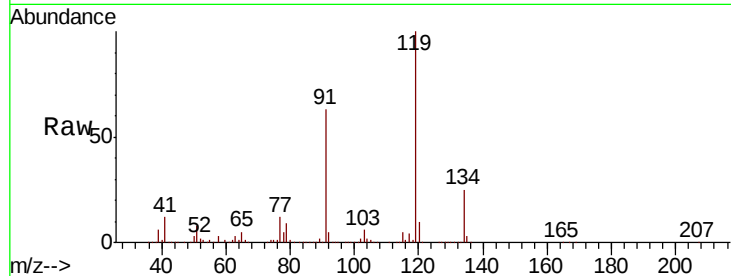
#83
tert-Butylbenzene
Concen: 53.155 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.3	93.8
134	26.3	12.9	38.7

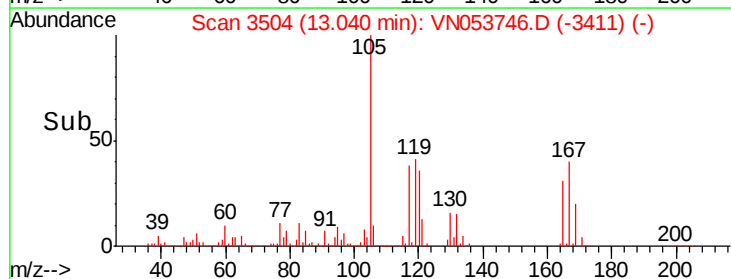
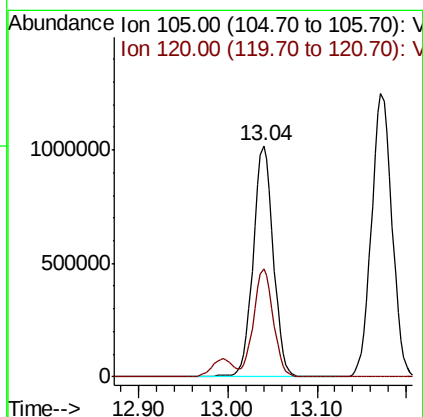
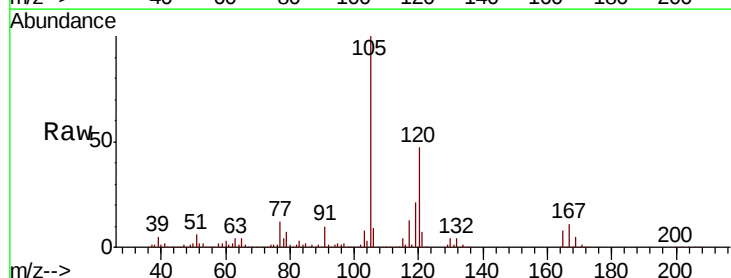
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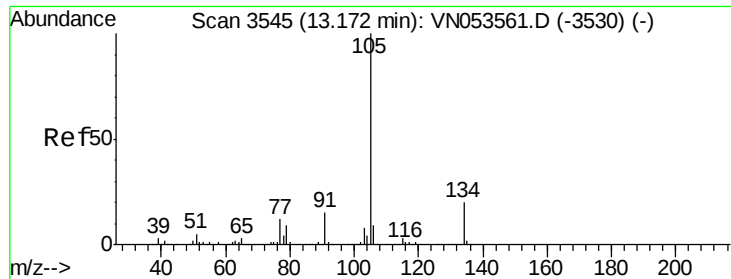
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#84
1,2,4-Trimethylbenzene
Concen: 54.405 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0





#85

sec-Butylbenzene

Concen: 57.078 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1985199

Ion Ratio Lower Upper

105 100

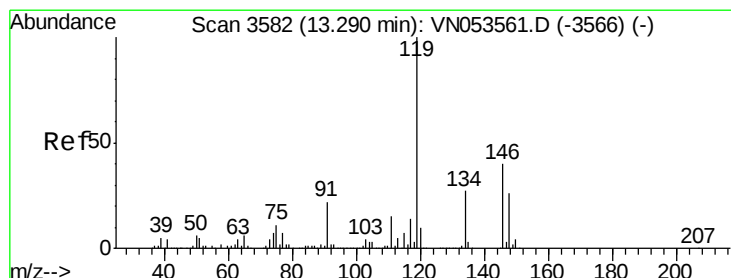
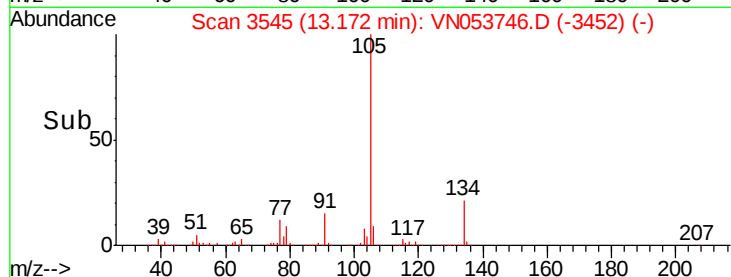
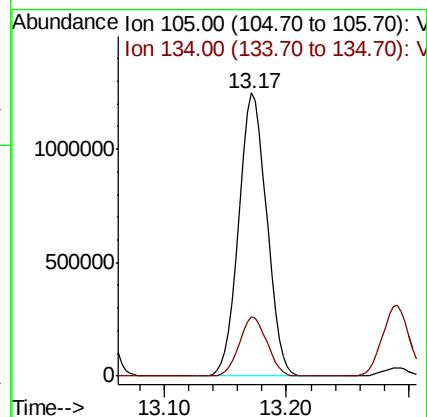
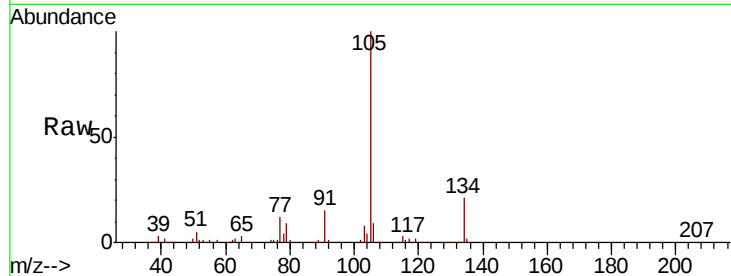
134 20.8 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 57.670 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

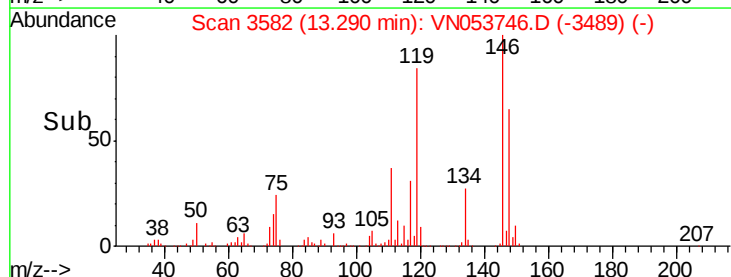
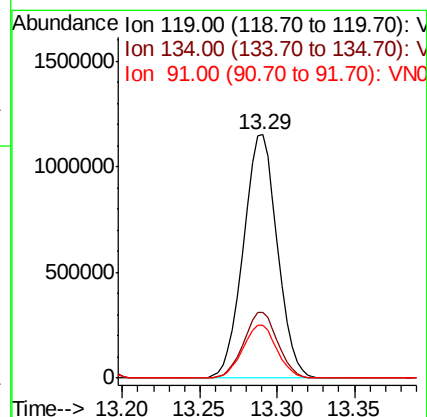
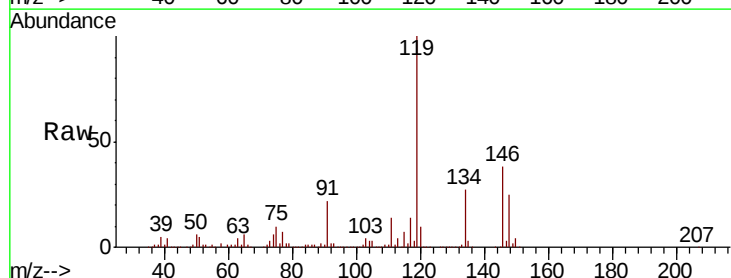
Tgt Ion:119 Resp: 1754225

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 53.859 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

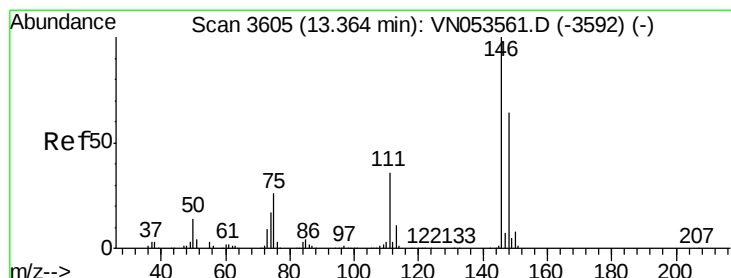
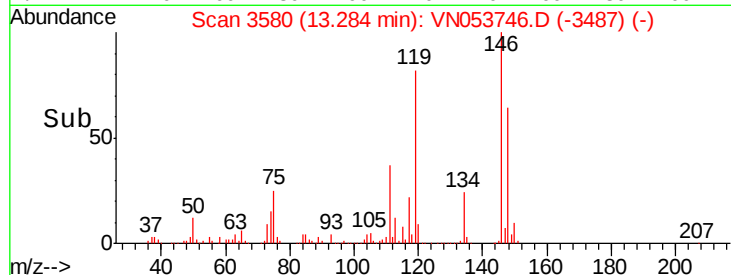
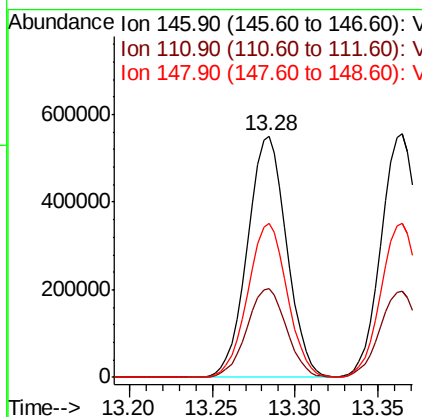
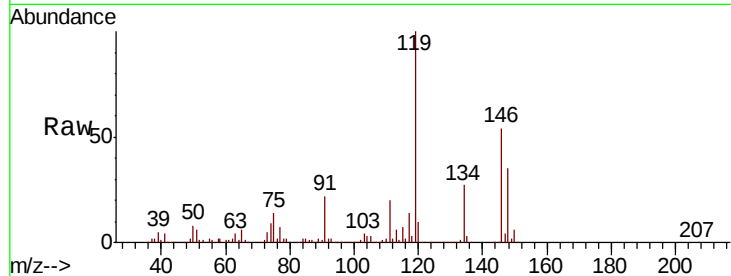
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	909968
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.8	56.3
148	64.0	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.876 ug/l

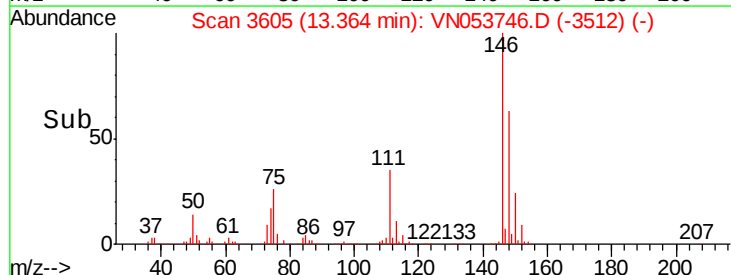
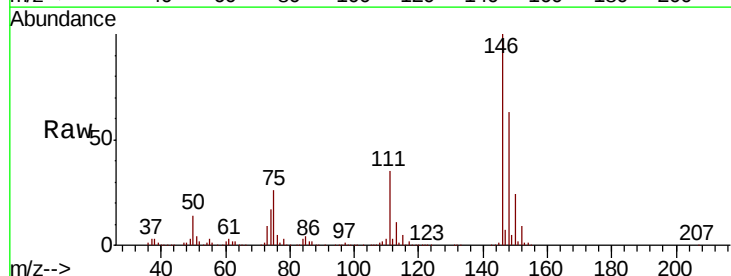
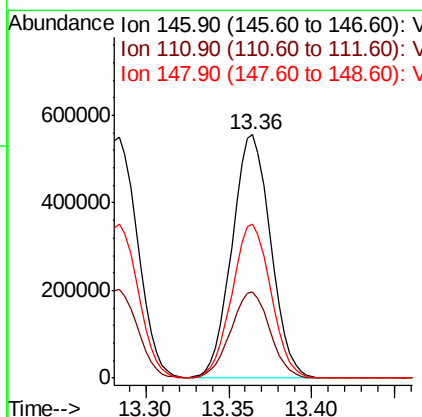
RT: 13.36 min Scan# 3605

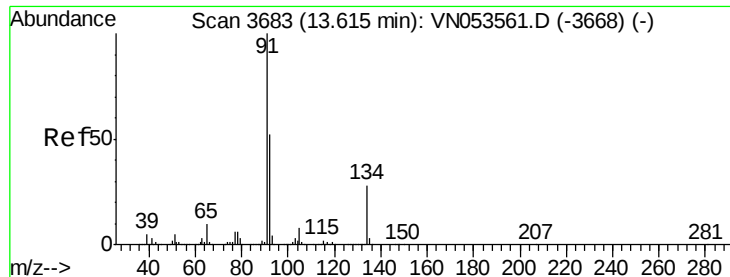
Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	146	Resp:	900415
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.6	55.8
148	63.8	32.4	97.0





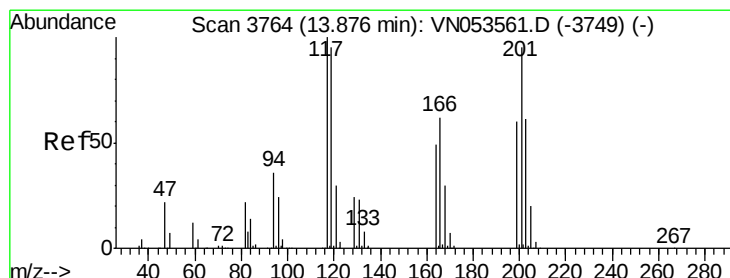
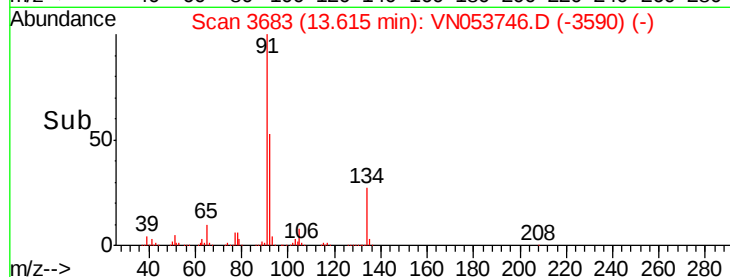
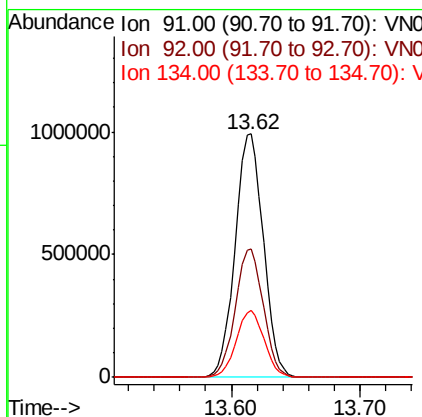
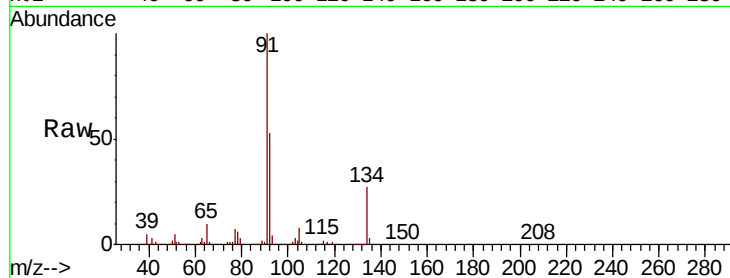
#89
n-Butylbenzene
Concen: 57.290 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	27.2	13.5	40.5

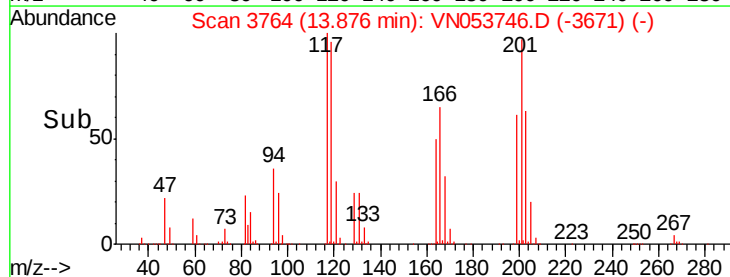
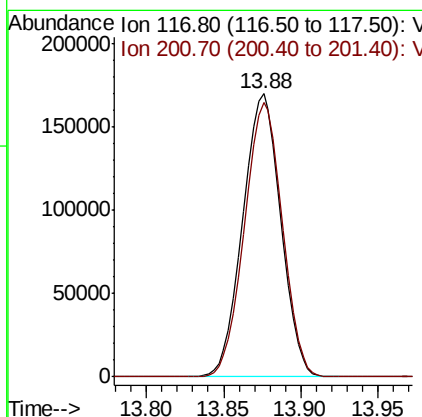
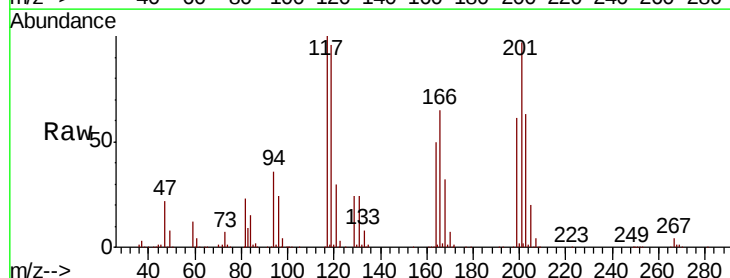
Manual Integrations
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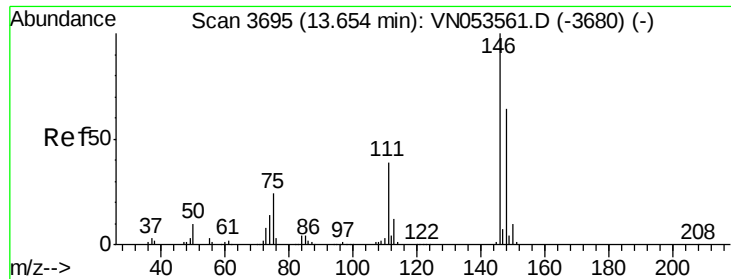
MMDadoda
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#90
Hexachloroethane
Concen: 58.117 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.4	46.8	140.4





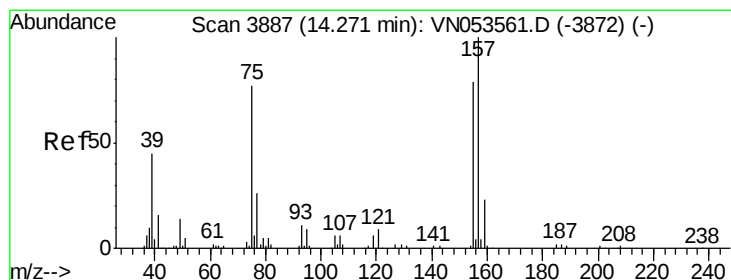
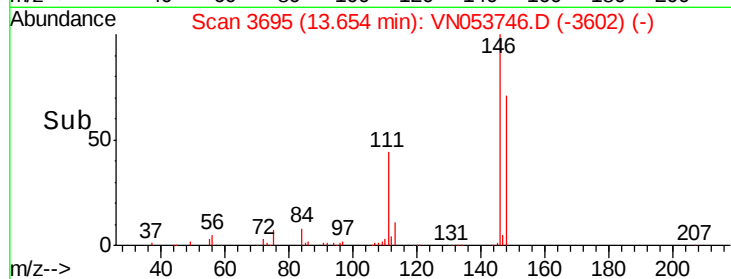
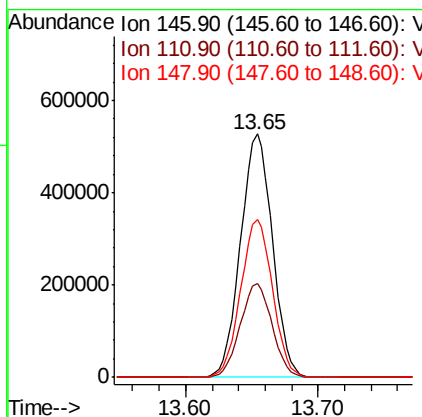
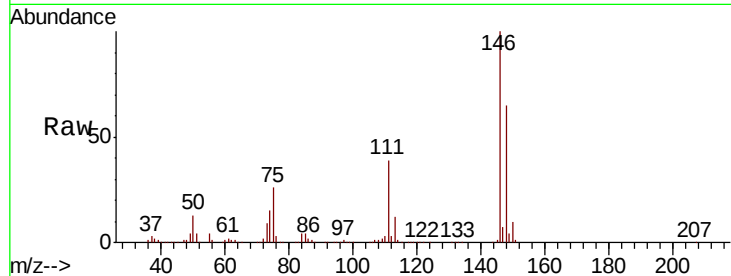
#91
 1,2-Dichlorobenzene
 Concen: 54.330 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.7	31.9	95.9

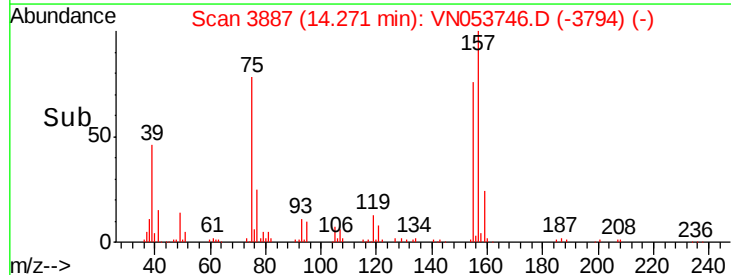
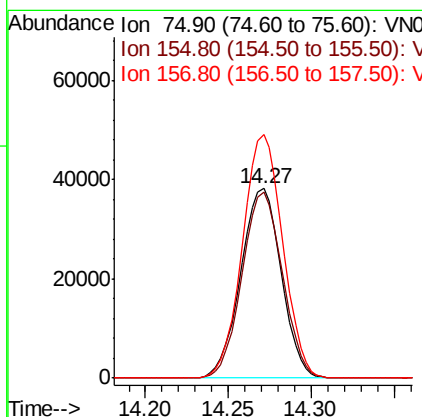
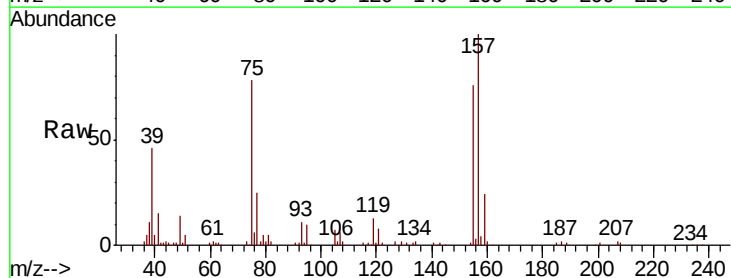
Manual Integrations
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 2/14/2019 10:39:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.850 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053746.D
 Acq: 13 Feb 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.9	146.7
157	127.1	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 54.189 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Instrument :

MSVOA_N

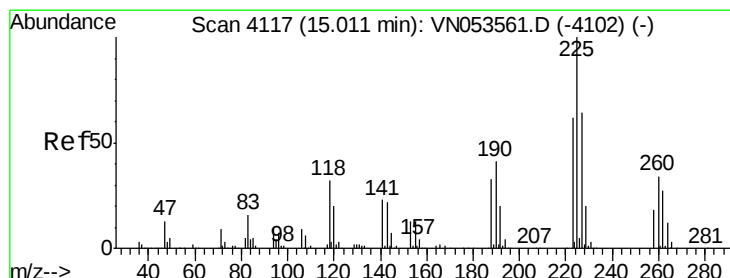
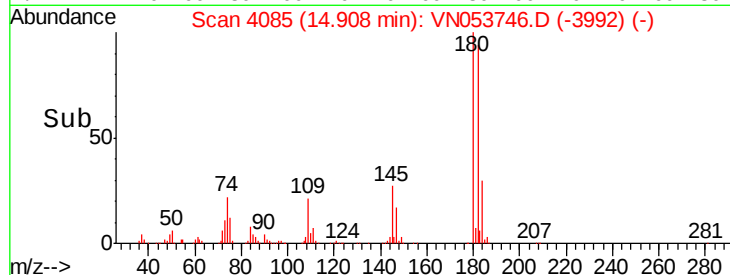
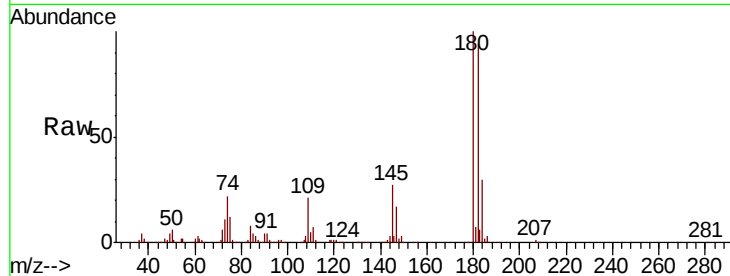
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	502695
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.3
145	27.8	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:39:02 AM



#94

Hexachlorobutadiene

Concen: 56.498 ug/l

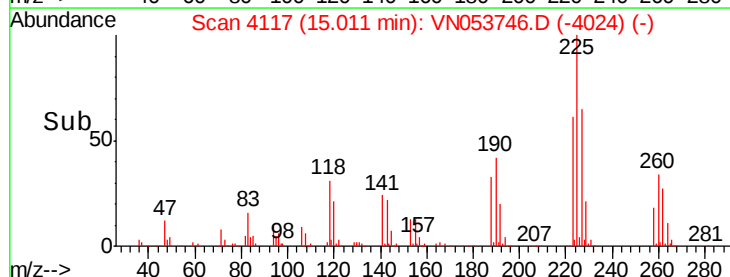
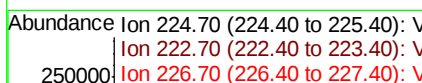
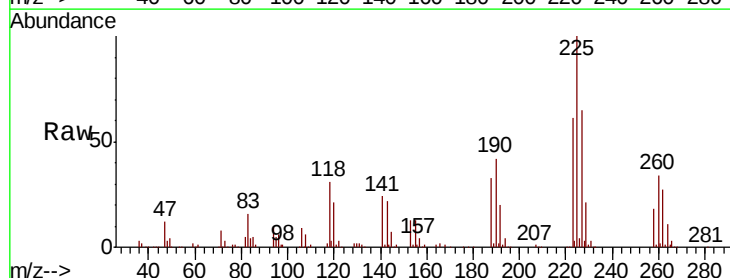
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN053746.D

Acq: 13 Feb 2019 10:47

Tgt Ion:	225	Resp:	326394
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.1	93.2
227	64.7	32.0	96.2





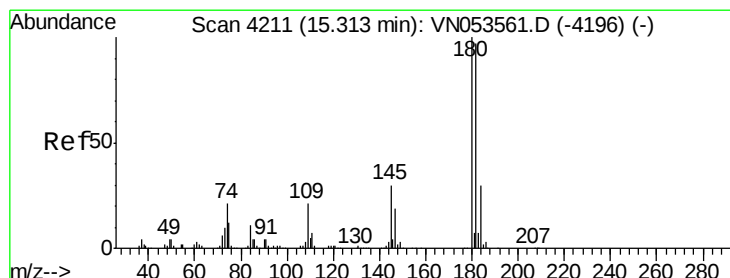
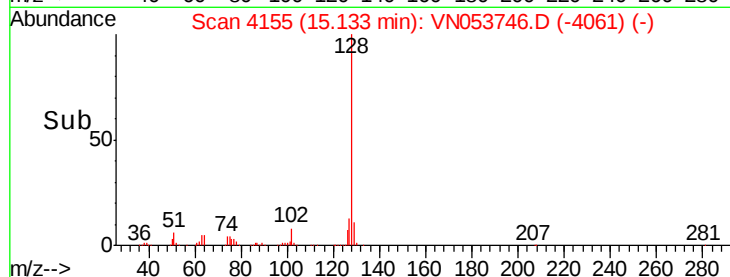
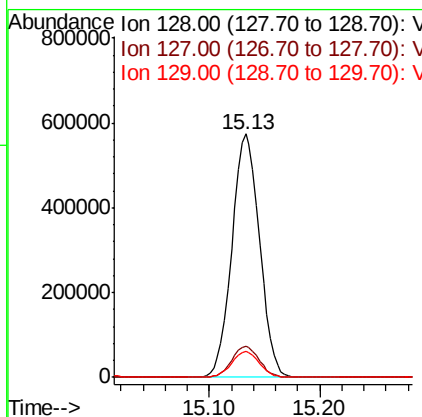
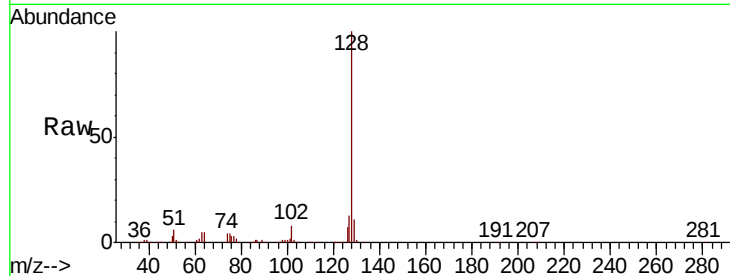
#95
Naphthalene
Concen: 45.809 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128	Resp:	994967
Ion Ratio	Lower	Upper
128 100		
127 12.7	10.3	15.5
129 10.7	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 54.252 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053746.D
Acq: 13 Feb 2019 10:47

Tgt Ion:180	Resp:	466976
Ion Ratio	Lower	Upper
180 100		
182 96.3	47.9	143.8
145 29.0	14.7	44.1

