

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059248.D
 Acq On : 15 Nov 2019 8:35
 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
 11/18/2019 3:10:18 PM

Quant Time: Nov 15 15:14:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	401281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	613377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	559603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272681	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	234345	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
35) Dibromofluoromethane	7.56	113	186475	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
50) Toluene-d8	10.08	98	717224	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	268056	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	176185	43.577	ug/l	100
3) Chloromethane	2.04	50	233987	42.575	ug/l	100
4) Vinyl Chloride	2.17	62	238848	44.826	ug/l	100
5) Bromomethane	2.53	94	140094	45.689	ug/l	98
6) Chloroethane	2.68	64	145043	46.016	ug/l	99
7) Trichlorofluoromethane	2.99	101	301490	47.305	ug/l	100
8) Diethyl Ether	3.38	74	131652	50.838	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	187299	48.741	ug/l	100
10) Methyl Iodide	3.92	142	226056	47.525	ug/l	99
11) Tert butyl alcohol	4.75	59	233352	248.226	ug/l	99
12) 1,1-Dichloroethene	3.71	96	177417	47.395	ug/l	96
13) Acrolein	3.58	56	126251	260.480	ug/l	99
14) Allyl chloride	4.29	41	368406	47.912	ug/l	98
15) Acrylonitrile	4.95	53	609075	260.340	ug/l	100
16) Acetone	3.79	43	599580	233.742	ug/l	99
17) Carbon Disulfide	4.02	76	476347	40.993	ug/l	100
18) Methyl Acetate	4.29	43	313407	51.474	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	675449	52.410	ug/l	100
20) Methylene Chloride	4.52	84	218232	48.834	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	194354	48.370	ug/l	97
22) Diisopropyl ether	5.92	45	744841	51.284	ug/l	97
23) Vinyl Acetate	5.86	43	3061577	271.988	ug/l	100
24) 1,1-Dichloroethane	5.81	63	403508	49.742	ug/l	98
25) 2-Butanone	6.80	43	842608	249.240	ug/l	98
26) 2,2-Dichloropropane	6.80	77	345215	48.668	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	234834	50.376	ug/l	99
28) Bromochloromethane	7.17	49	116242	47.630	ug/l	98
29) Tetrahydrofuran	7.18	42	534386	248.772	ug/l	98
30) Chloroform	7.35	83	395325	50.802	ug/l	99
31) Cyclohexane	7.63	56	336920	43.873	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	333014	50.901	ug/l	99
36) 1,1-Dichloropropene	7.77	75	289374	50.473	ug/l	100
37) Ethyl Acetate	6.90	43	328881	51.564	ug/l	99
38) Carbon Tetrachloride	7.75	117	287545	50.390	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	331052	49.752	ug/l	99
40) Benzene	8.02	78	888411	51.457	ug/l	99
41) Methacrylonitrile	7.16	41	167195m	60.284	ug/l	
42) 1,2-Dichloroethane	8.10	62	308038	52.021	ug/l	100
43) Isopropyl Acetate	8.14	43	521961	51.332	ug/l	99
44) Trichloroethene	8.82	130	220698	52.002	ug/l	99
45) 1,2-Dichloropropane	9.10	63	246813	52.631	ug/l	99
46) Dibromomethane	9.19	93	148845	50.935	ug/l	98
47) Bromodichloromethane	9.39	83	312935	53.629	ug/l	97
48) Methyl methacrylate	9.18	41	233668	51.375	ug/l	98
49) 1,4-Dioxane	9.18	88	90980	1125.583	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1648270	286.482	ug/l	99
52) Toluene	10.14	92	547081	52.868	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	358783	53.219	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	386766	53.334	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	222542	53.138	ug/l	98
56) Ethyl methacrylate	10.42	69	348670	49.920	ug/l	97
57) 1,3-Dichloropropane	10.70	76	383798	53.247	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	686081	294.365	ug/l	100
59) 2-Hexanone	10.74	43	1219811	276.221	ug/l	98
60) Dibromochloromethane	10.90	129	243120	54.906	ug/l	100
61) 1,2-Dibromoethane	11.00	107	226854	53.509	ug/l	100
64) Tetrachloroethene	10.62	164	192315	50.540	ug/l	98
65) Chlorobenzene	11.43	112	583575	53.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	221640	54.162	ug/l	99
67) Ethyl Benzene	11.51	91	1050288	54.265	ug/l	99
68) m/p-Xylenes	11.62	106	785711	108.373	ug/l	100
69) o-Xylene	11.94	106	374138	53.399	ug/l	100
70) Styrene	11.96	104	628789	57.063	ug/l	99
71) Bromoform	12.12	173	177313	55.706	ug/l #	99
73) Isopropylbenzene	12.25	105	1026588	51.757	ug/l	100
74) N-amyl acetate	12.07	43	440579	52.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	344360	50.981	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	316298m	50.950	ug/l	
77) Bromobenzene	12.53	156	252346	50.638	ug/l	98
78) n-propylbenzene	12.59	91	1202959	52.968	ug/l	99
79) 2-Chlorotoluene	12.67	91	713730	50.659	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	881570	52.452	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121520	51.702	ug/l	99
82) 4-Chlorotoluene	12.77	91	732941	51.869	ug/l	99
83) tert-Butylbenzene	12.99	119	744642	51.304	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	872372	53.649	ug/l	100
85) sec-Butylbenzene	13.17	105	1006052	53.297	ug/l	100
86) p-Isopropyltoluene	13.29	119	914159	54.847	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	449278	52.648	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	440400	51.581	ug/l	99
89) n-Butylbenzene	13.62	91	779288	53.420	ug/l	100
90) Hexachloroethane	13.88	117	168538	50.357	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	448053	53.374	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67007	49.722	ug/l	97

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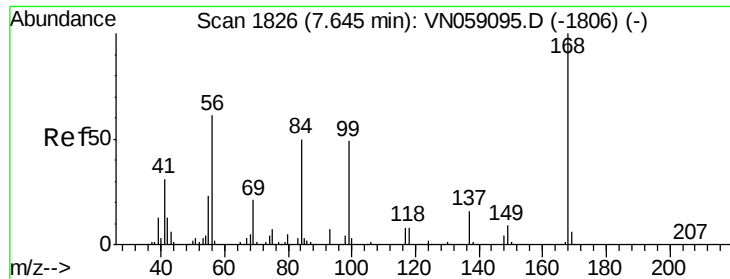
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245826	48.372	ug/l	99
94) Hexachlorobutadiene	15.01	225	151034	52.180	ug/l	99
95) Naphthalene	15.13	128	642305	45.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	240792	51.184	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 401281

Ion Ratio Lower Upper

168 100

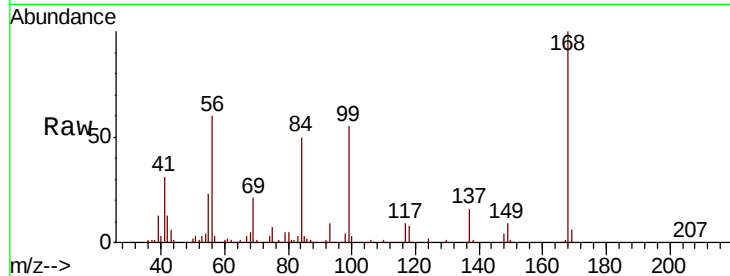
99 54.7 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

0

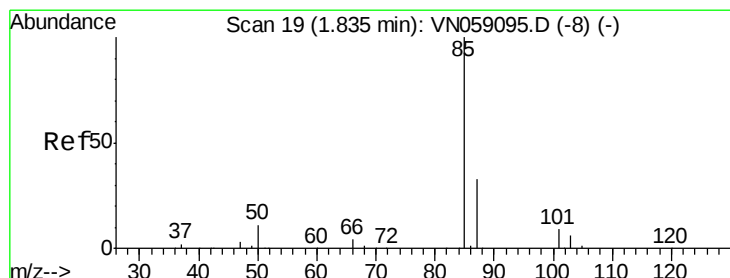
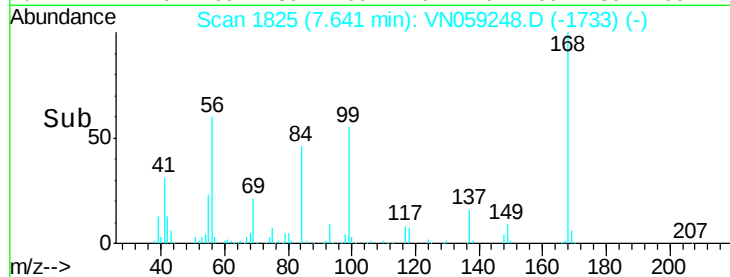
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.577 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059248.D

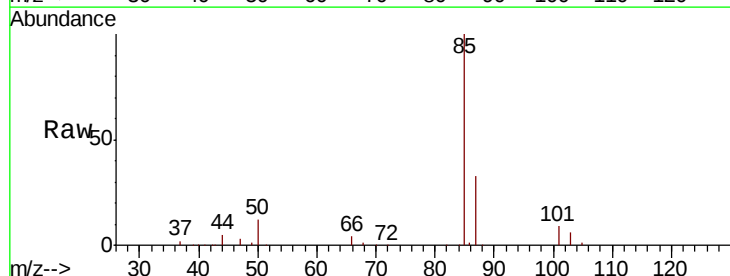
Acq: 15 Nov 2019 8:35

Tgt Ion: 85 Resp: 176185

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

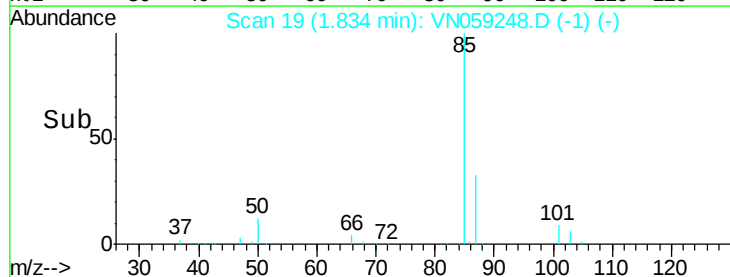
50000

0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 42.575 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 233987

Ion Ratio Lower Upper

50 100

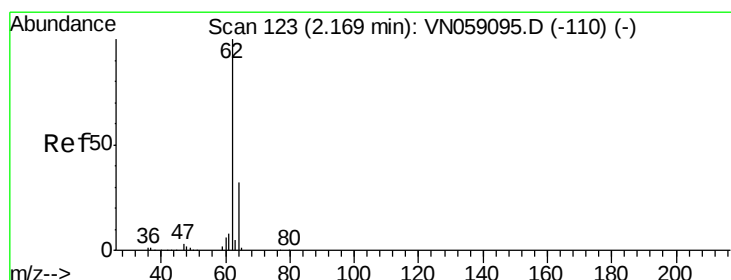
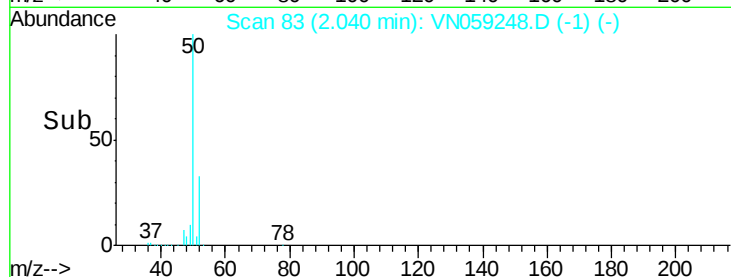
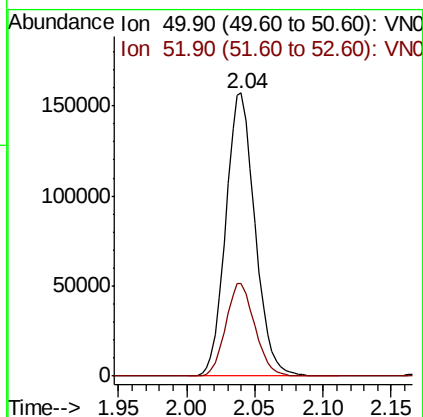
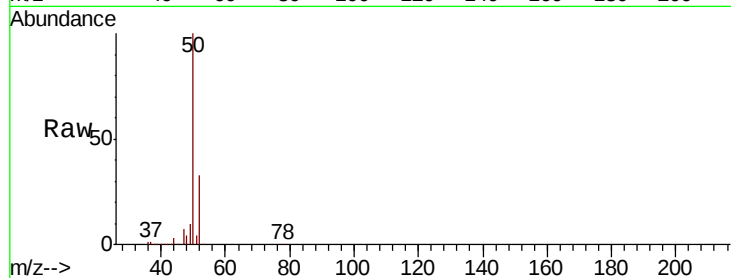
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.826 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059248.D

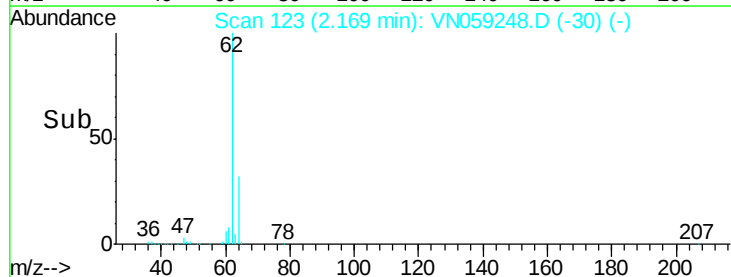
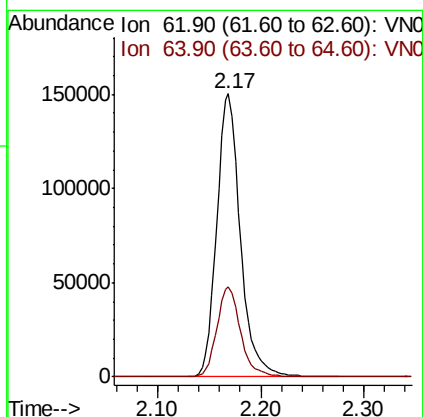
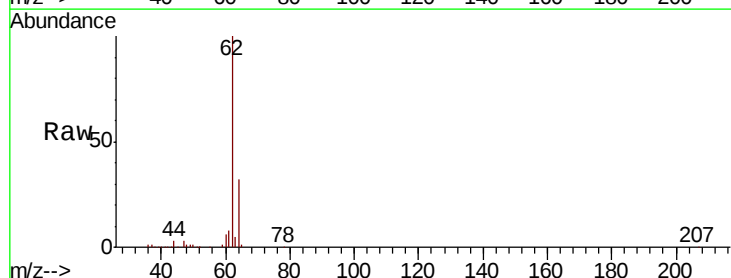
Acq: 15 Nov 2019 8:35

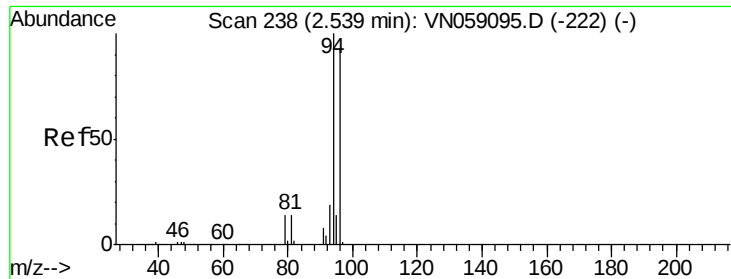
Tgt Ion: 62 Resp: 238848

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 45.689 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 140094

Ion Ratio Lower Upper

94 100

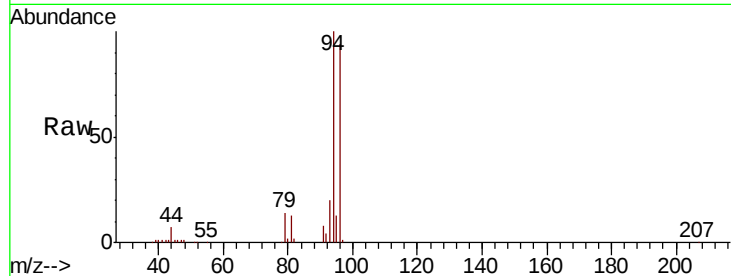
96 94.4 74.2 111.2

Manual Integrations

APPROVED

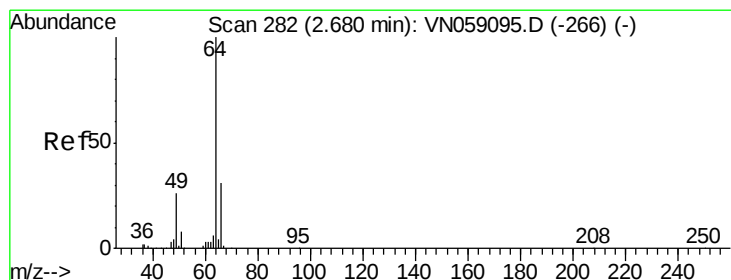
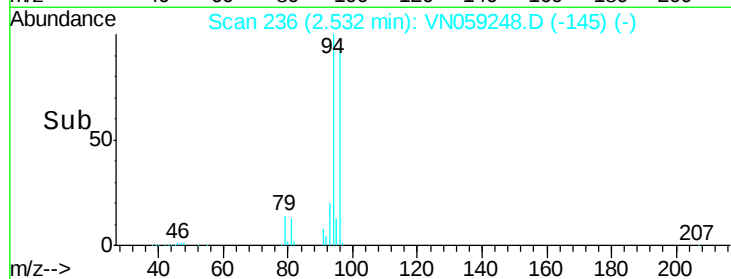
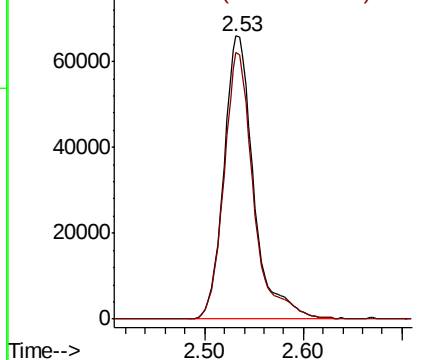
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.016 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059248.D

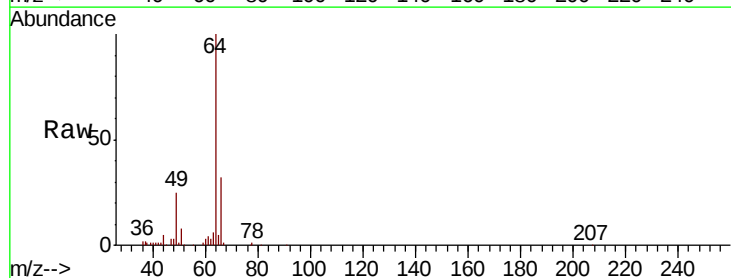
Acq: 15 Nov 2019 8:35

Tgt Ion: 64 Resp: 145043

Ion Ratio Lower Upper

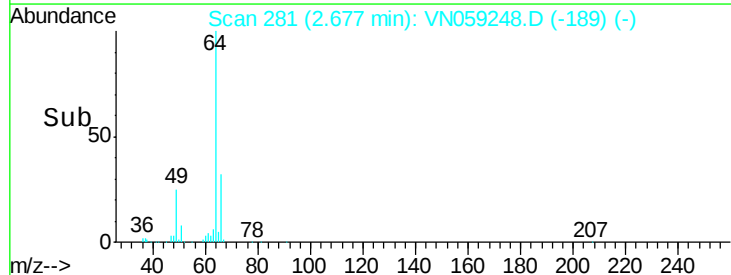
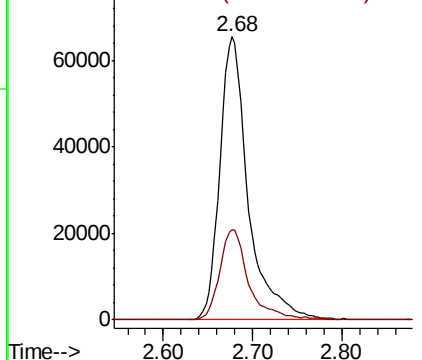
64 100

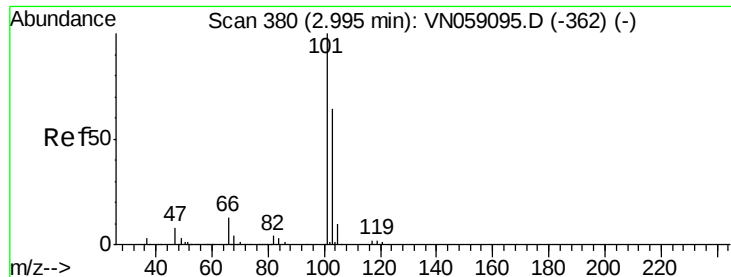
66 32.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

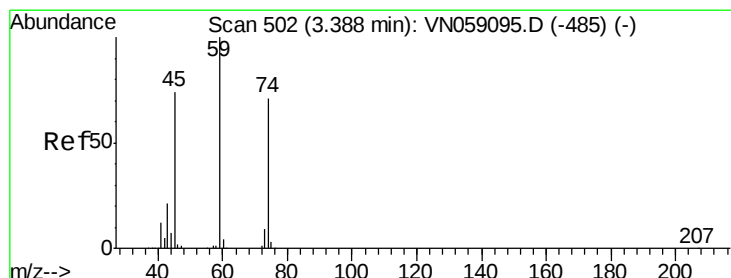
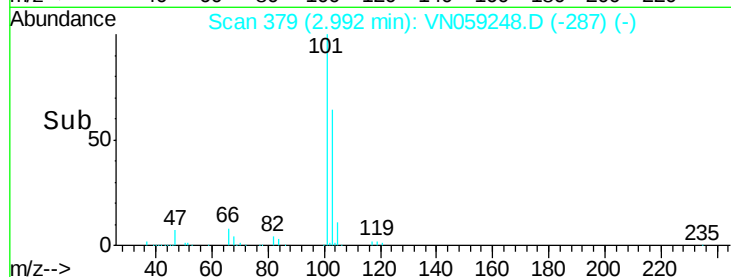
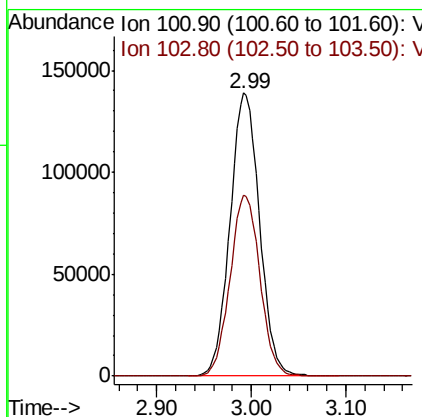
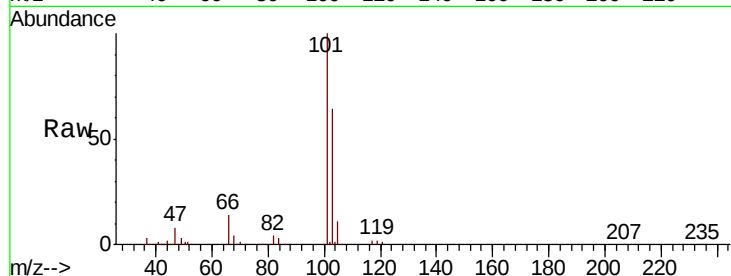
Trichlorofluoromethane
Concen: 47.305 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
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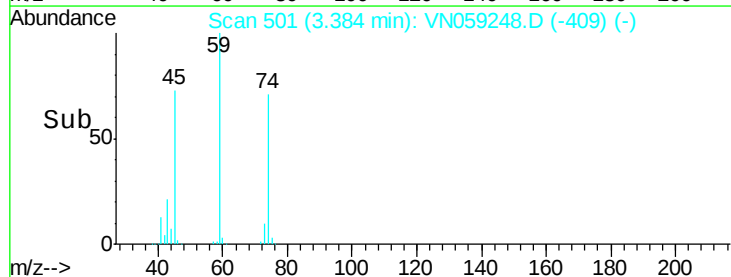
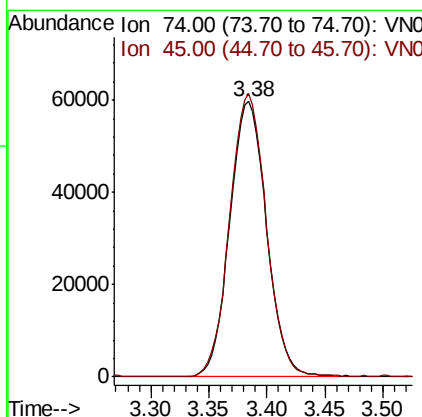
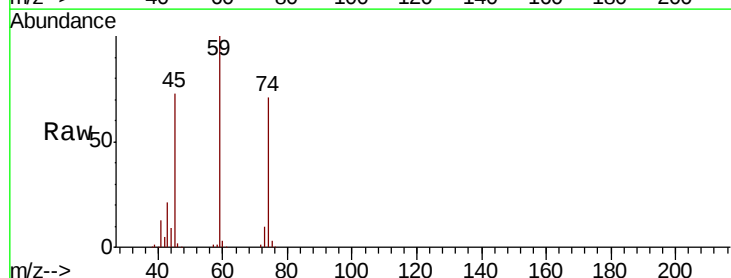
MMDadoda
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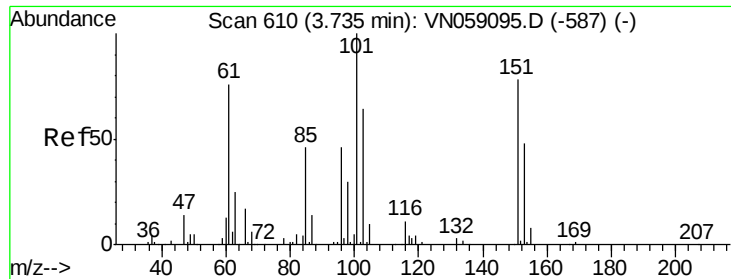


#8

Diethyl Ether
Concen: 50.838 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	51.6	154.9





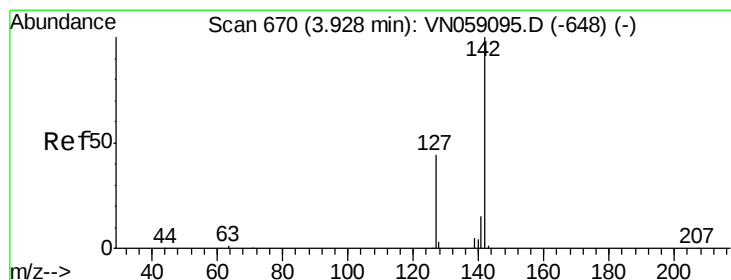
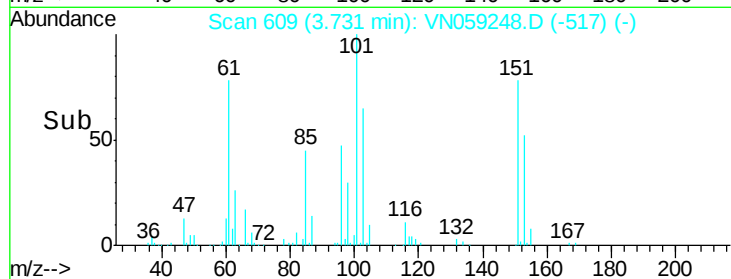
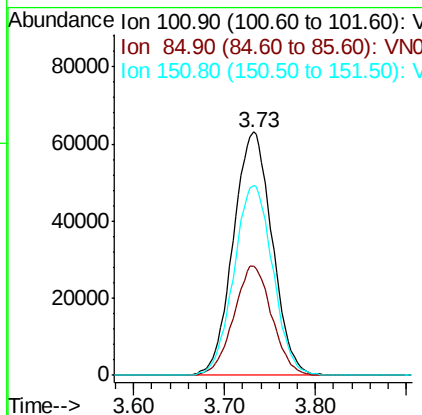
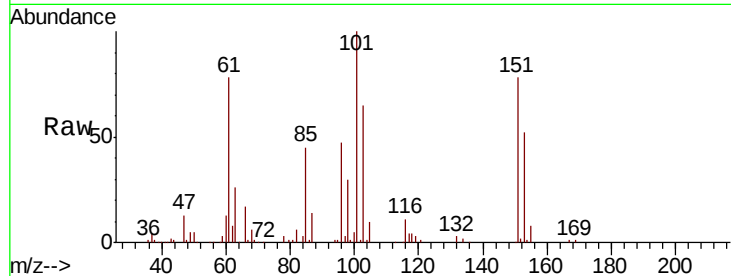
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.741 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	187299		
85	44.0		35.5	53.3
151	78.1		62.2	93.2

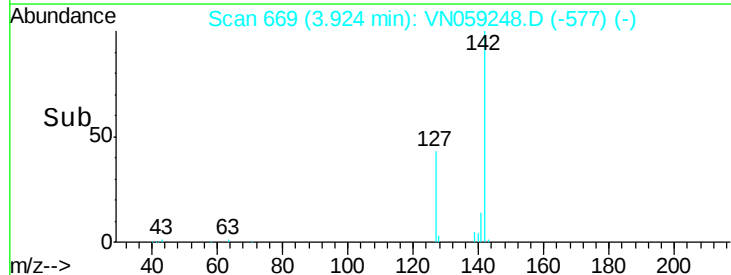
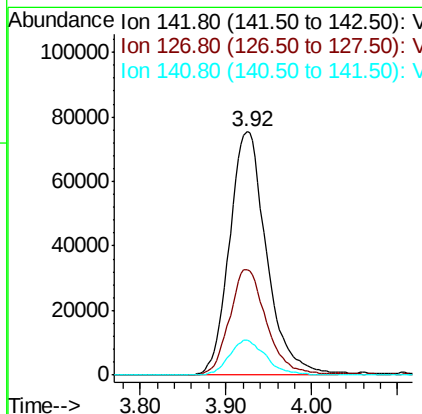
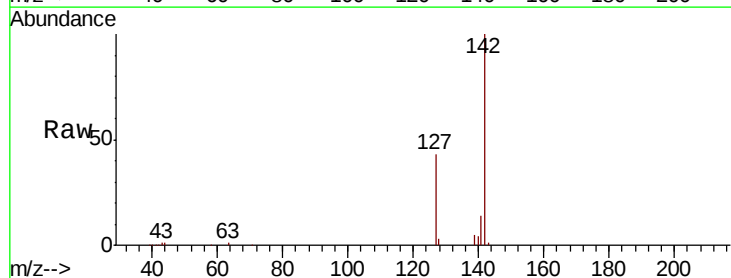
Manual Integrations
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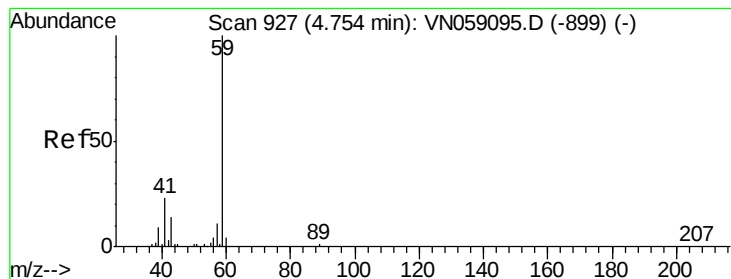
MMDadoda
 11/18/2019 3:10:18 PM



#10
 Methyl Iodide
 Concen: 47.525 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	226056		
127	43.5		34.2	51.2
141	14.3		11.4	17.0





#11

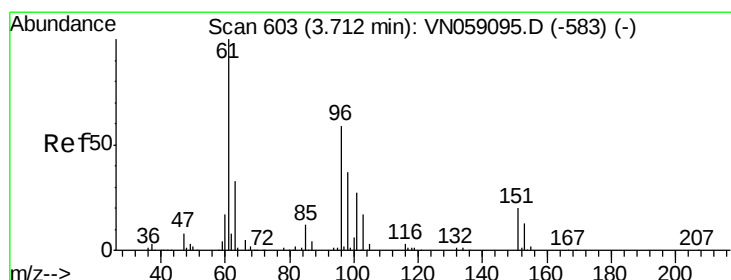
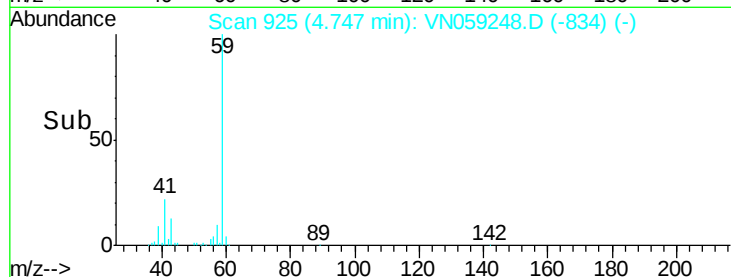
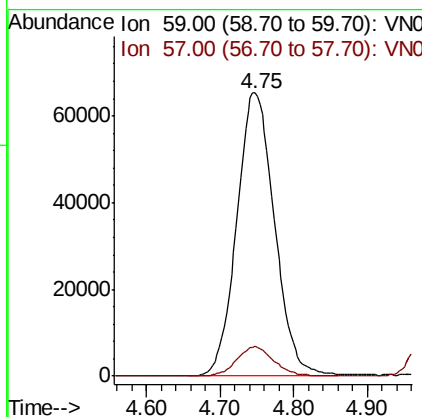
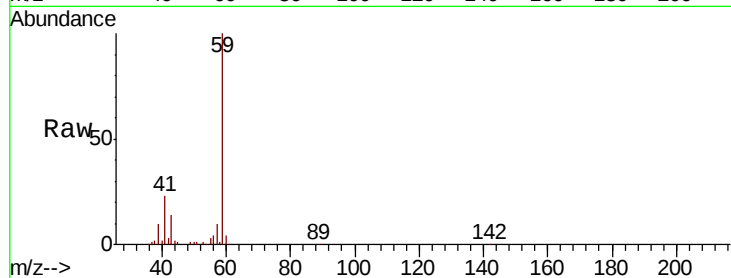
Tert butyl alcohol
 Concen: 248.226 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

Manual Integrations
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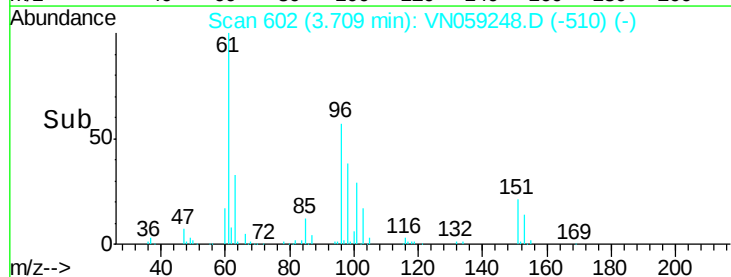
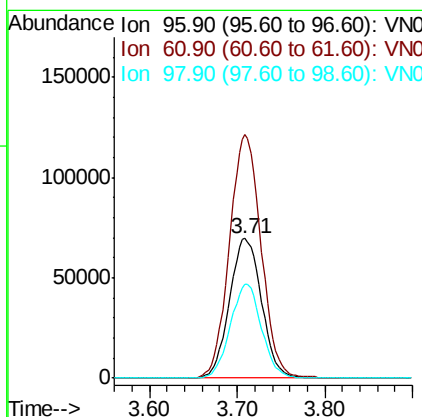
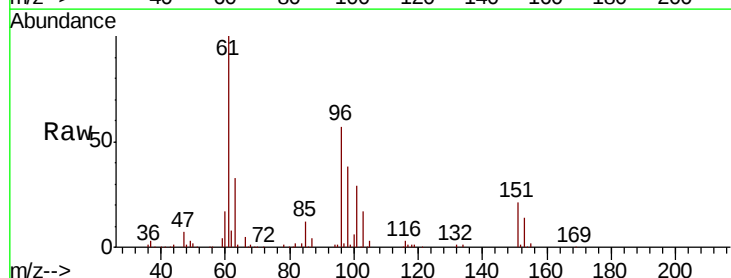
MMDadoda
 11/18/2019 3:10:18 PM



#12

1,1-Dichloroethene
 Concen: 47.395 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	136.5	204.7
98	67.2	50.2	75.4





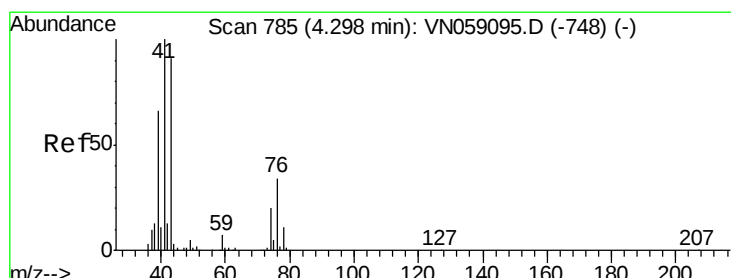
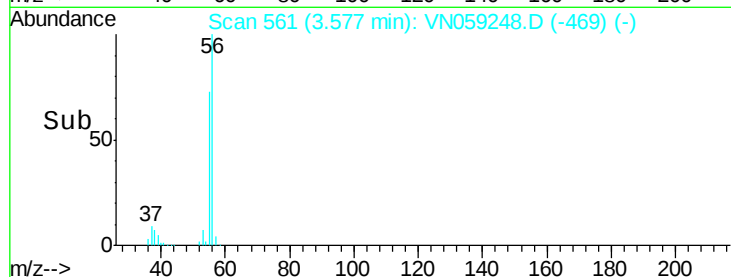
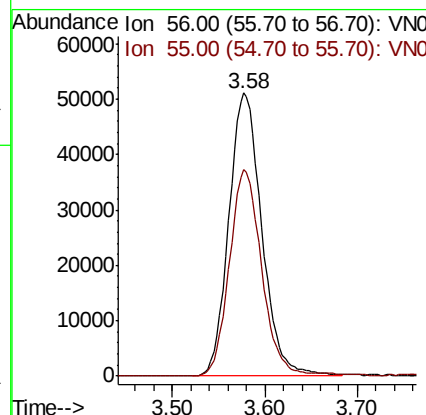
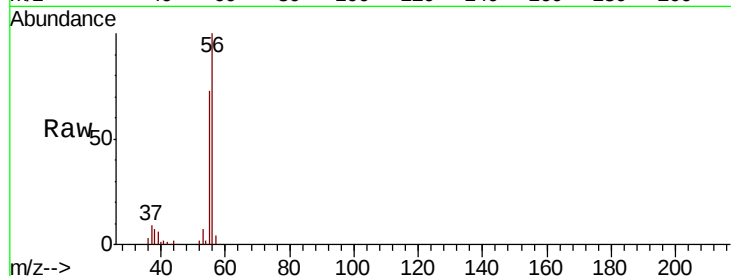
#13
Acrolein
Concen: 260.480 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.4	84.6

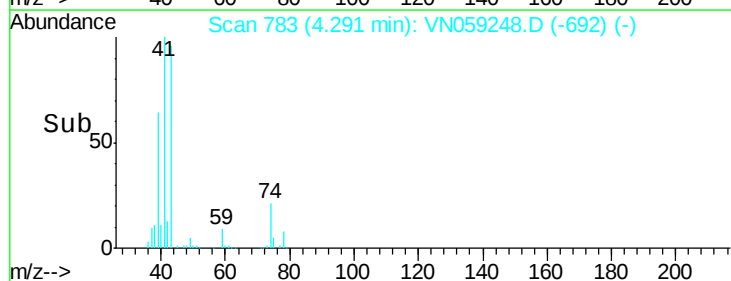
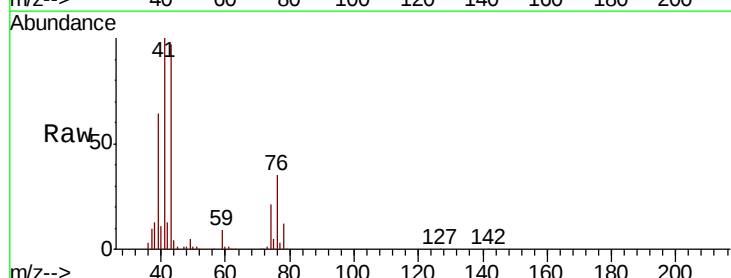
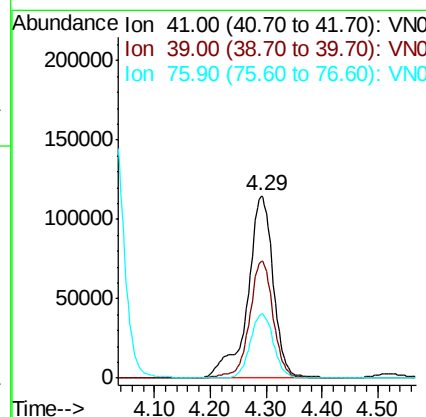
Manual Integrations
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MMDadoda
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#14
Allyl chloride
Concen: 47.912 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.5	49.1	73.7
76	31.7	24.9	37.3





#15

Acrylonitrile

Concen: 260.340 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

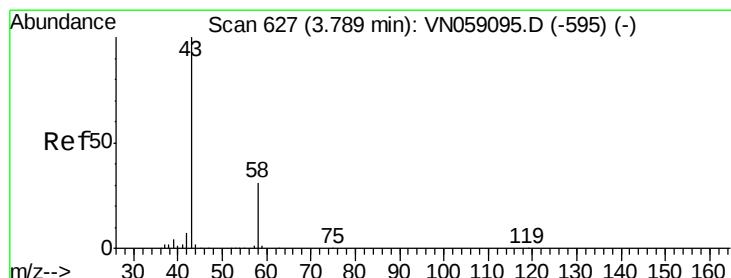
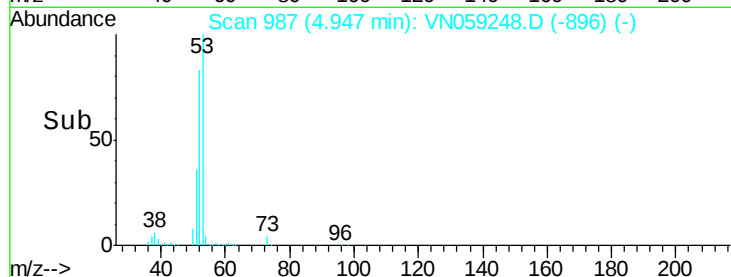
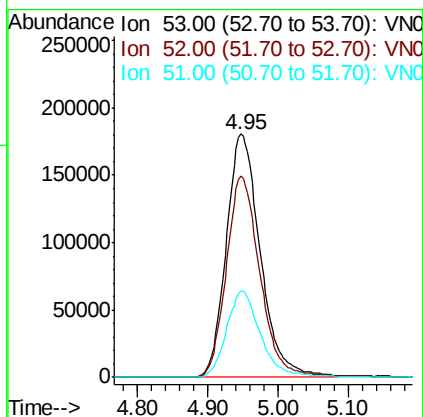
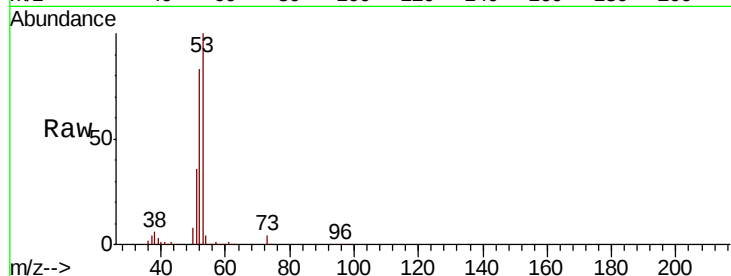
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	609075
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.0	97.6
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 233.742 ug/l

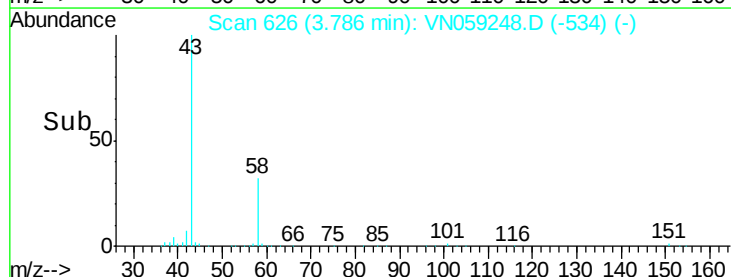
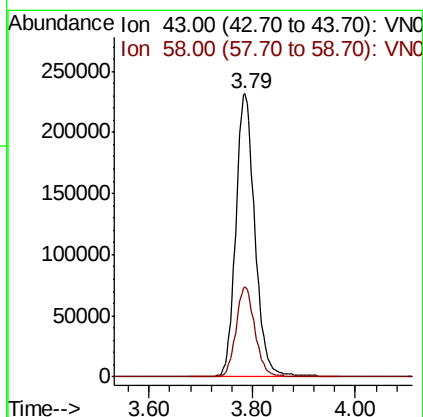
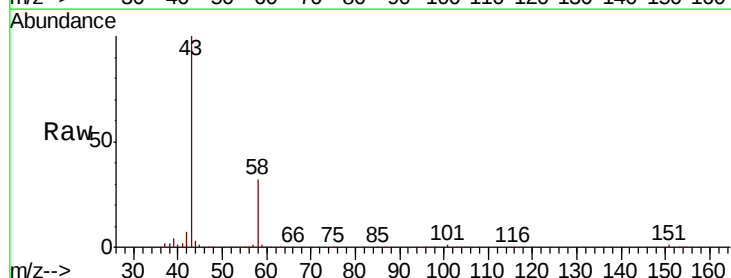
RT: 3.79 min Scan# 626

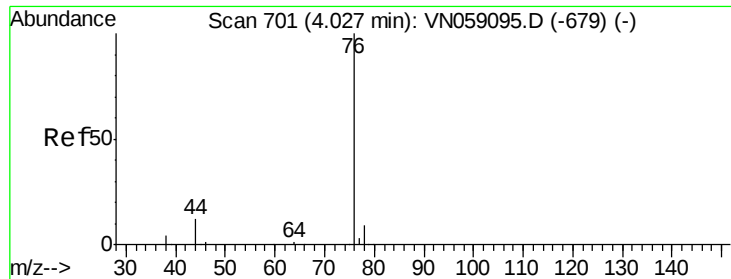
Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion	43	Resp	599580
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.9	37.3





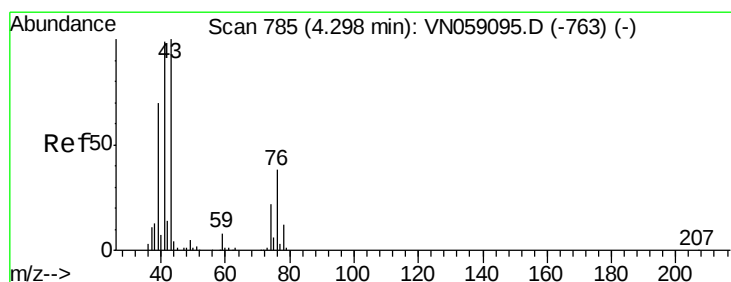
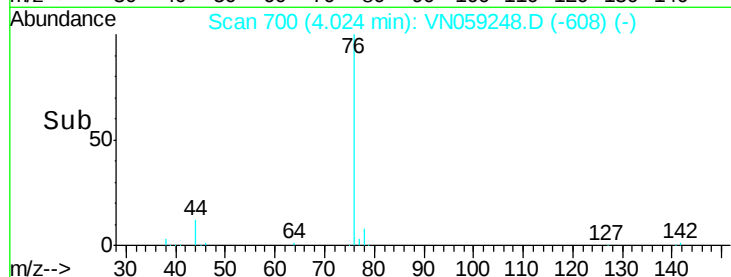
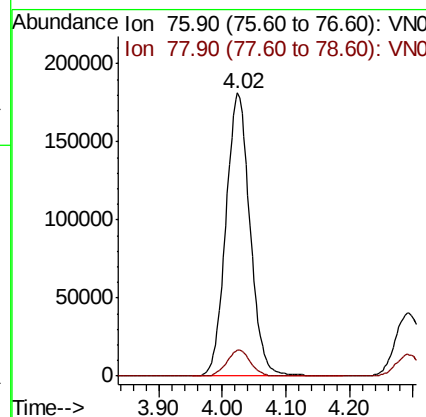
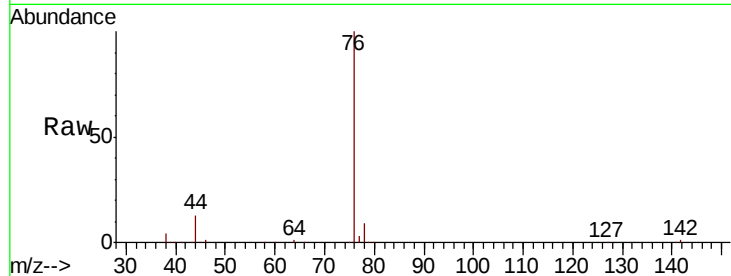
#17
Carbon Disulfide
Concen: 40.993 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

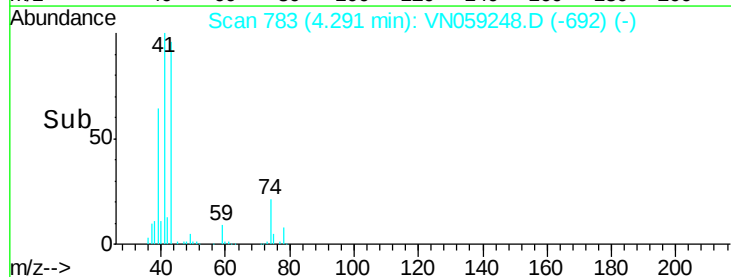
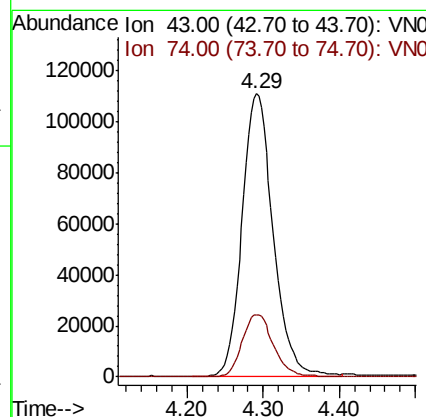
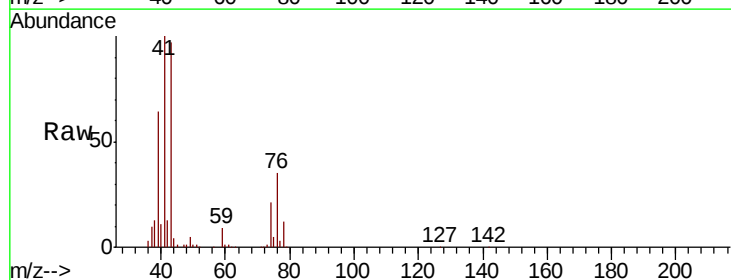
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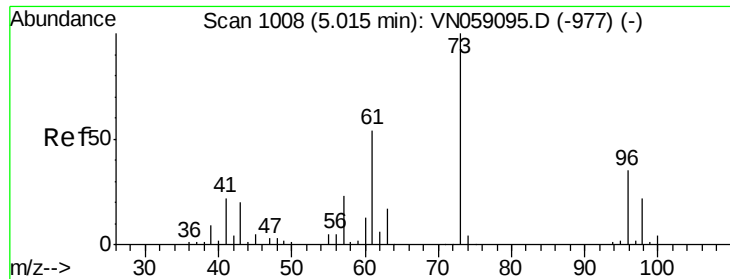
MMDadoda
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#18
Methyl Acetate
Concen: 51.474 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.8	26.8





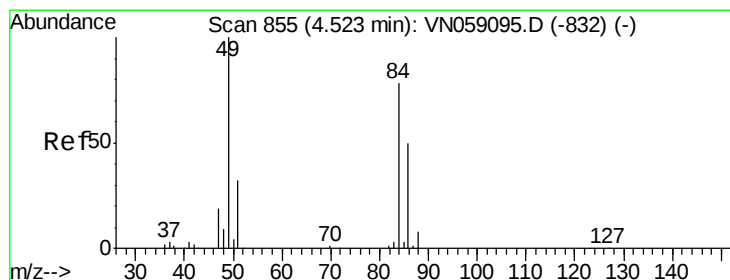
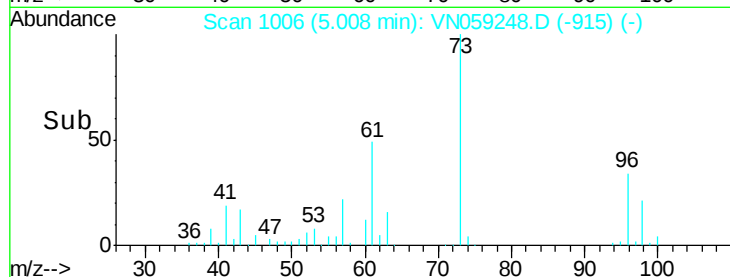
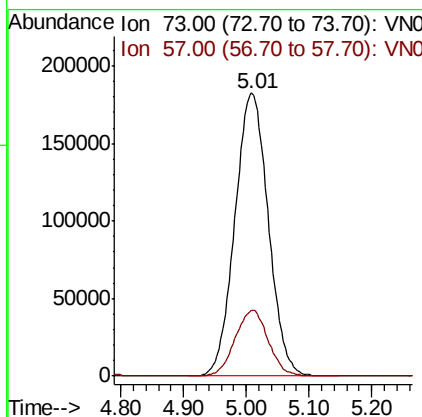
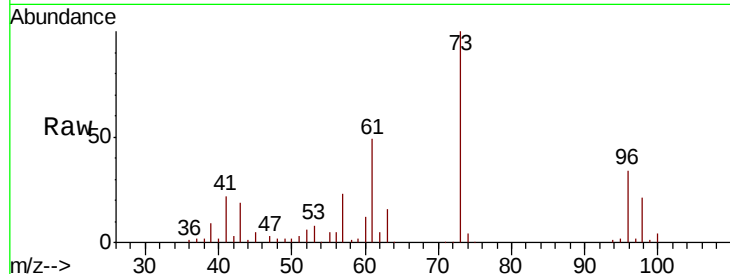
#19
Methvl tert-butvl Ether
Concen: 52.410 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 675449
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

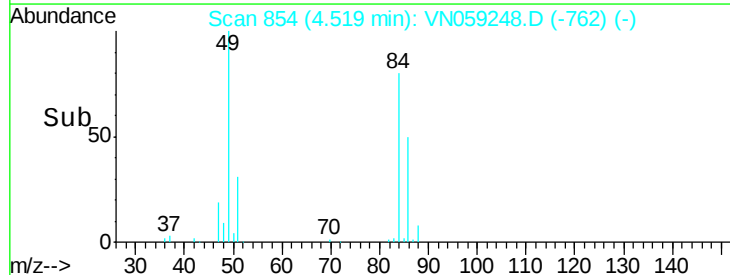
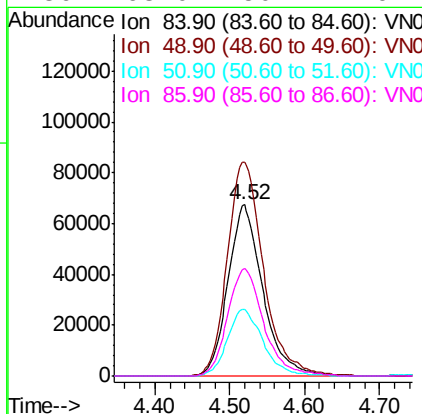
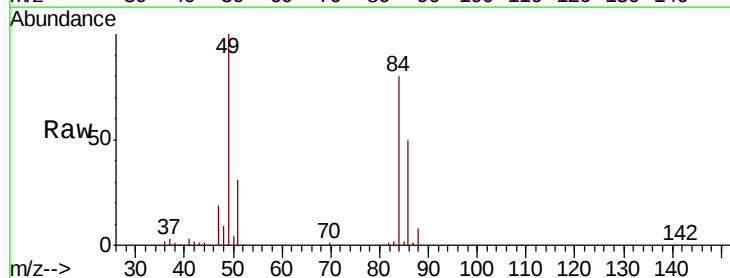
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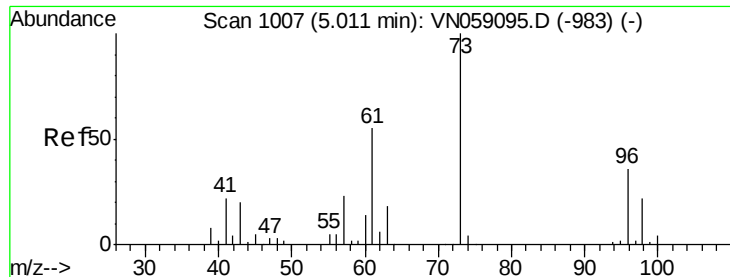
MMDadoda
11/18/2019 3:10:18 PM



#20
Methylene Chloride
Concen: 48.834 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion: 84 Resp: 218232
Ion Ratio Lower Upper
84 100
49 124.9 102.0 153.0
51 39.0 32.2 48.2
86 63.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.370 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

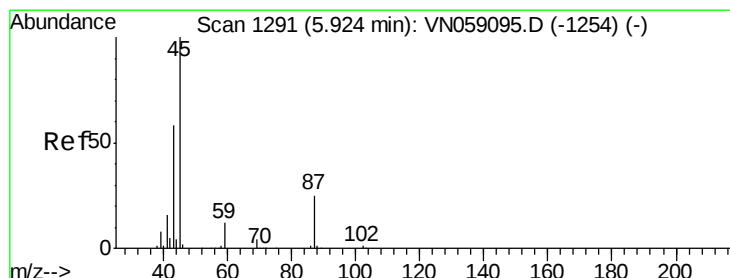
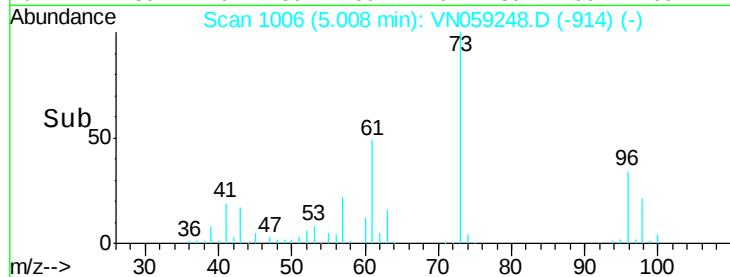
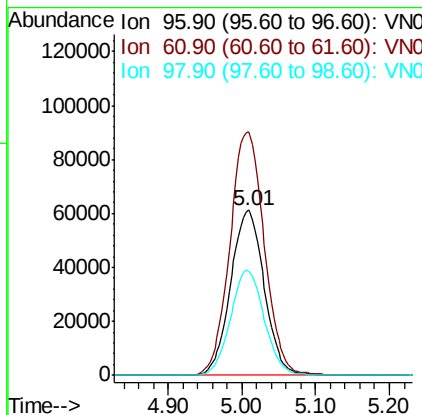
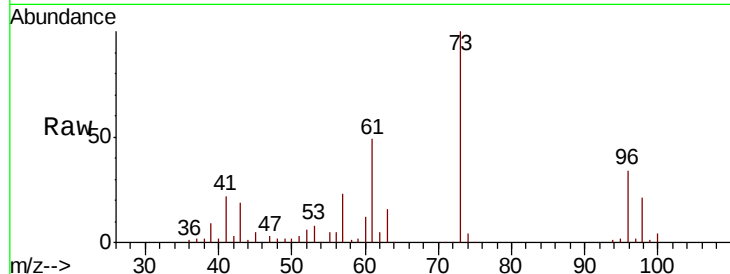
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	194354
Ion	Ratio	Lower	Upper
96	100		
61	147.1	122.6	183.8
98	62.9	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.284 ug/l

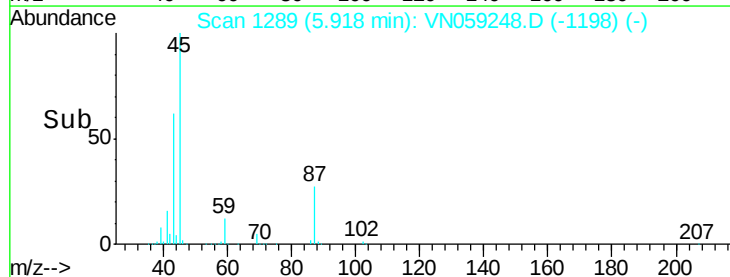
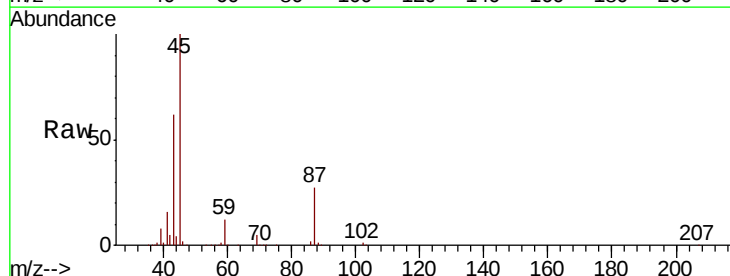
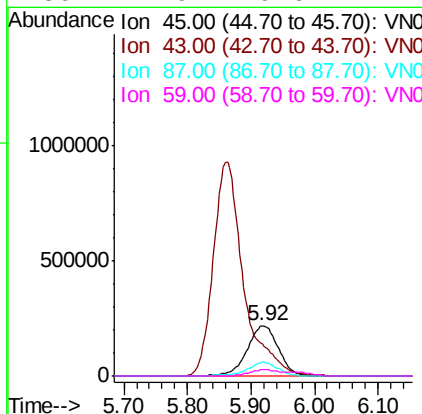
RT: 5.92 min Scan# 1289

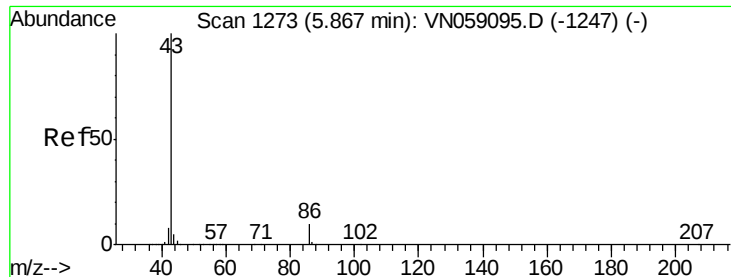
Delta R.T. -0.01 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion:	45	Resp:	744841
Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.7	70.1
87	26.8	20.5	30.7
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 271.988 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3061577

Ion Ratio Lower Upper

43 100

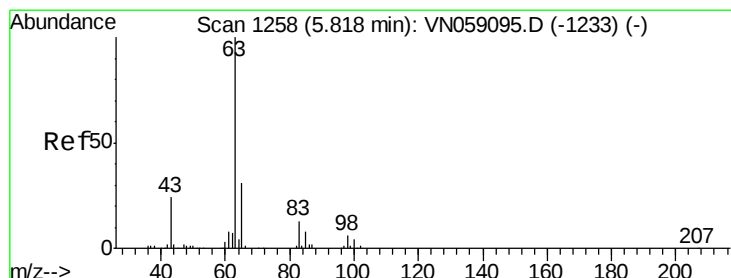
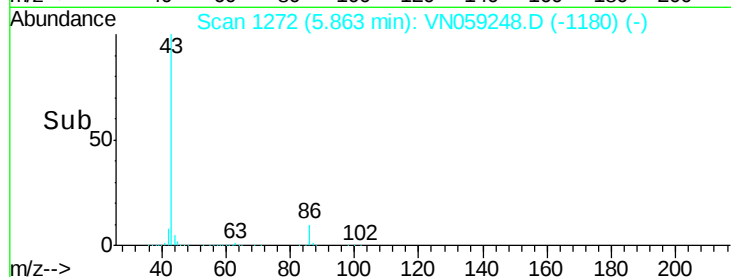
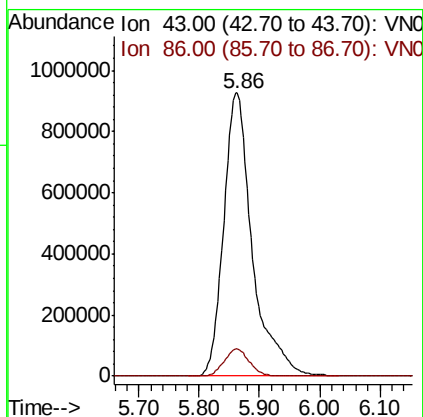
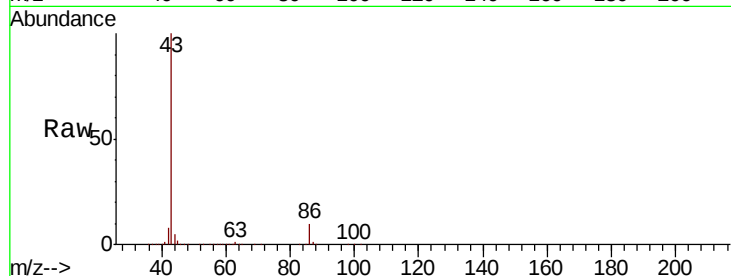
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.742 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

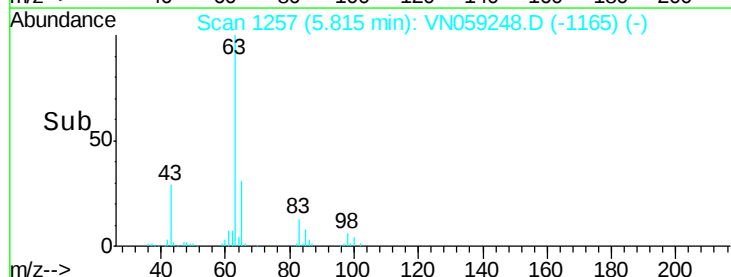
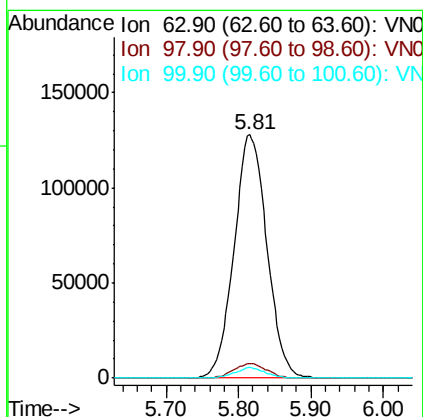
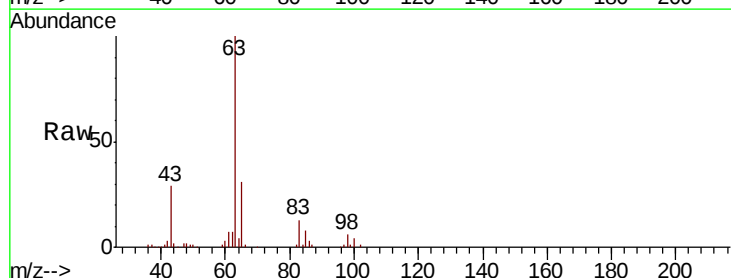
Tgt Ion: 63 Resp: 403508

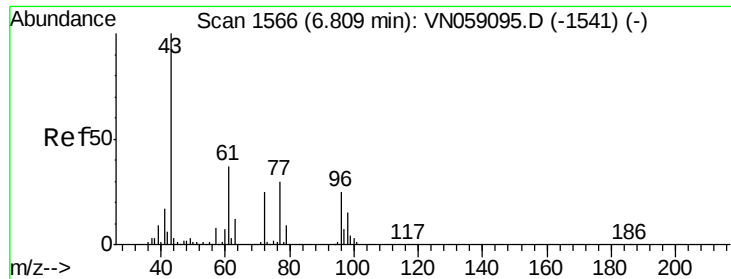
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.4 1.9 5.7





#25

2-Butanone

Concen: 249.240 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 842608

Ion Ratio Lower Upper

43 100

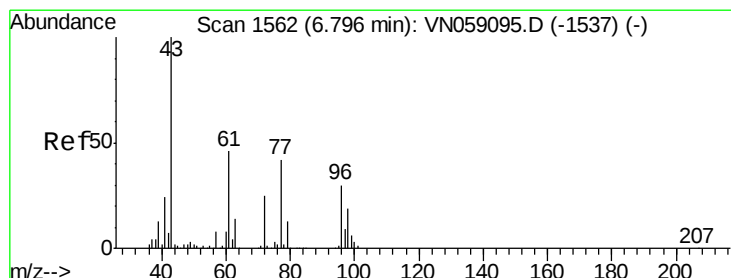
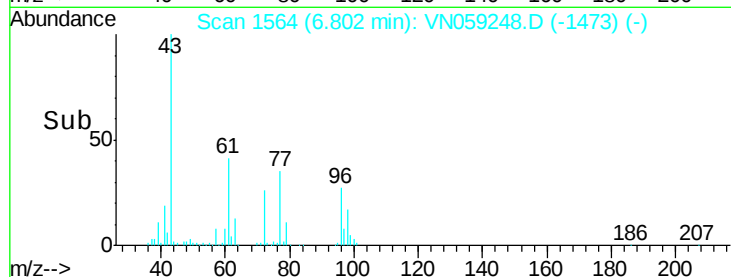
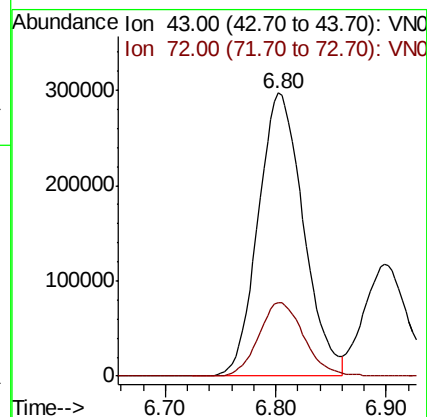
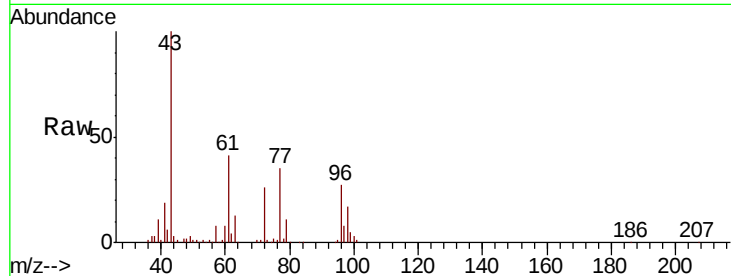
72 26.2 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.668 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059248.D

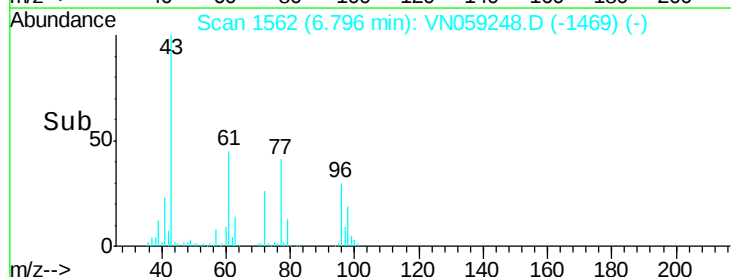
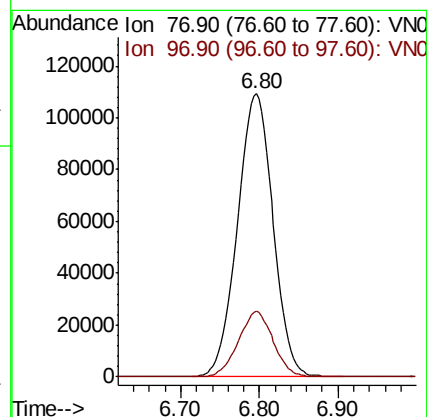
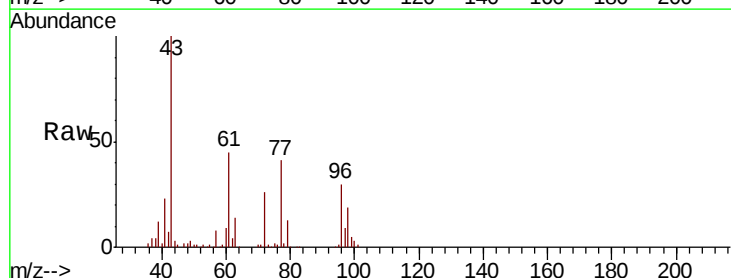
Acq: 15 Nov 2019 8:35

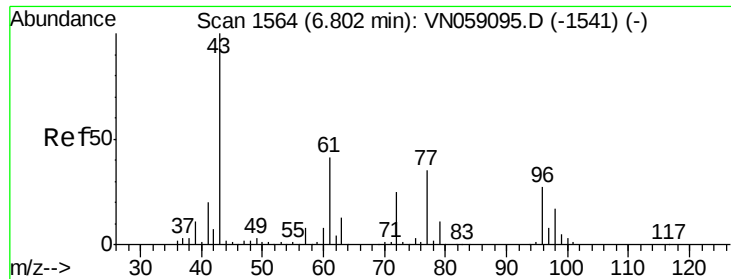
Tgt Ion: 77 Resp: 345215

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 50.376 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

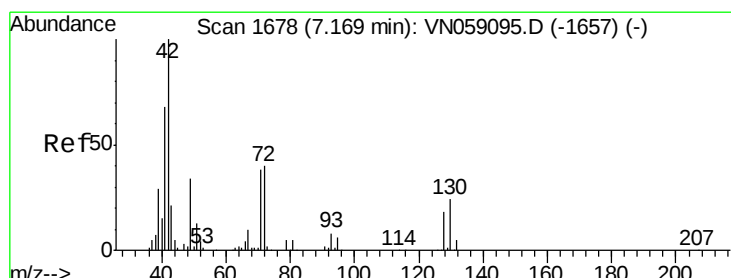
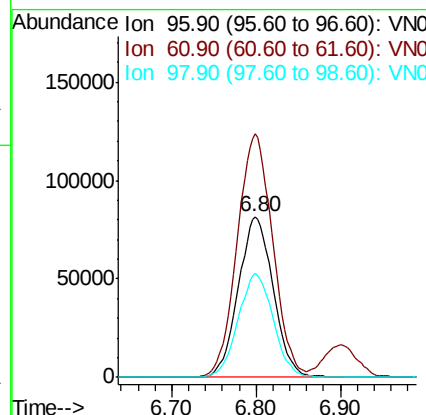
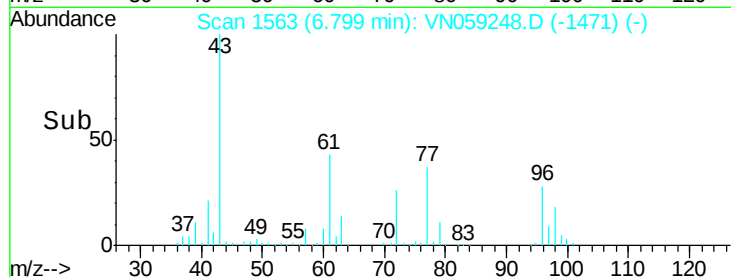
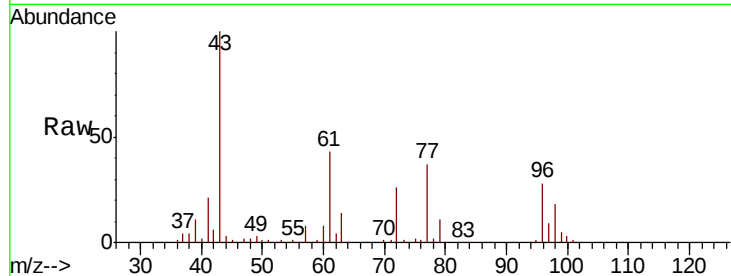
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	234834
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	311.6
98	64.9	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.630 ug/l

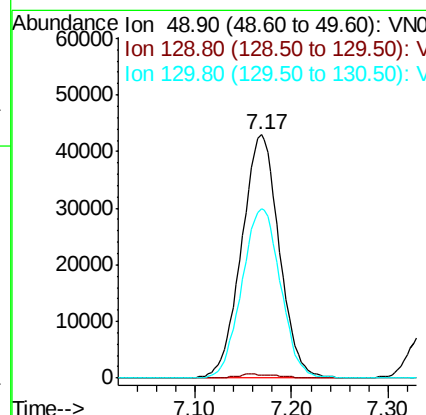
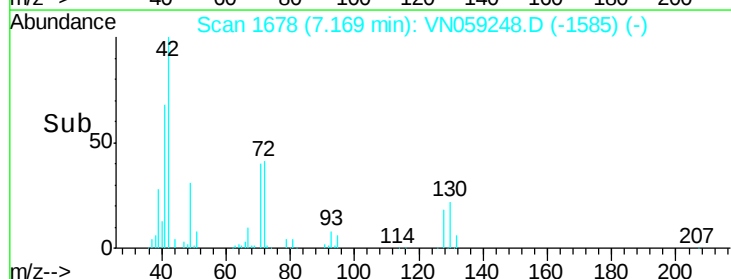
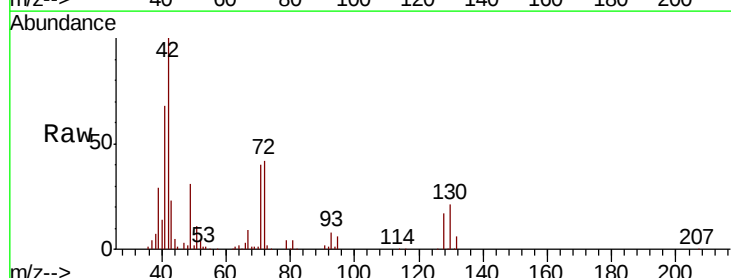
RT: 7.17 min Scan# 1678

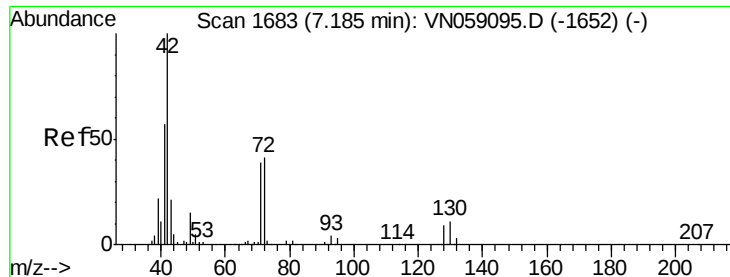
Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion:	49	Resp:	116242
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	71.4	55.6	83.4





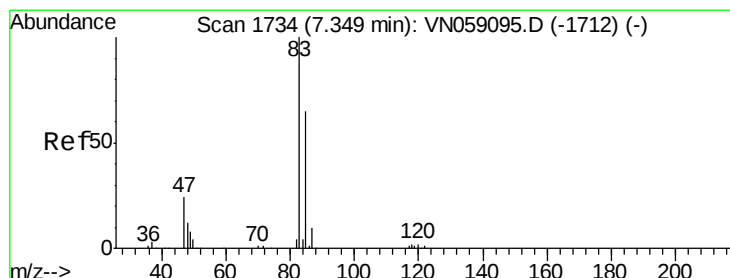
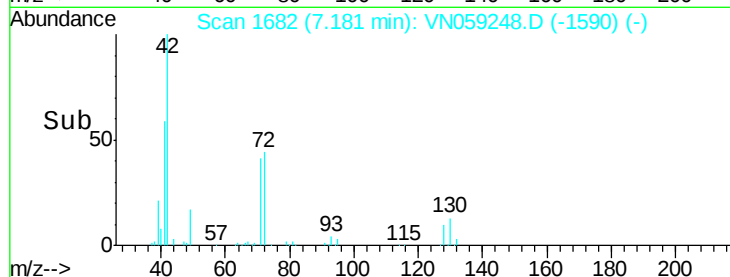
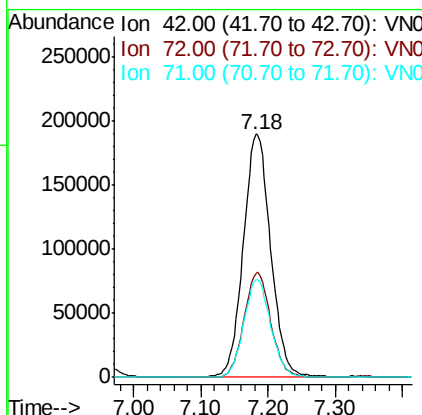
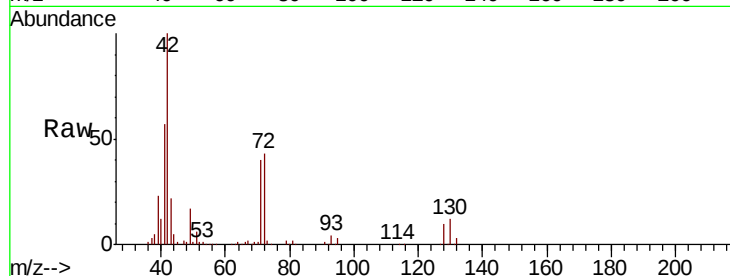
#29
Tetrahydrofuran
Concen: 248.772 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.1	49.7
71	39.7	30.9	46.3

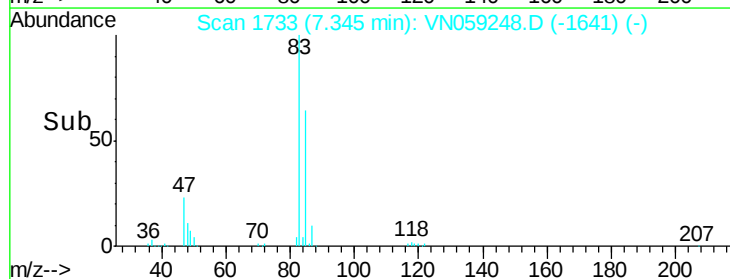
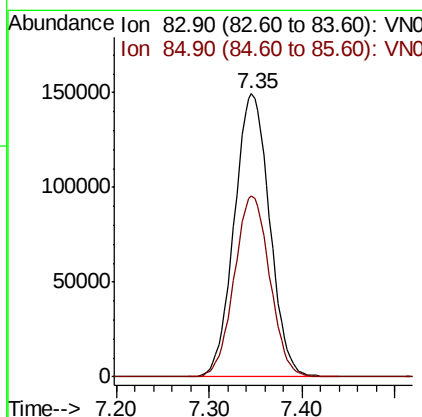
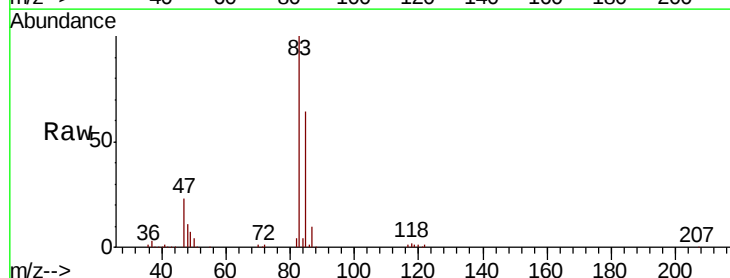
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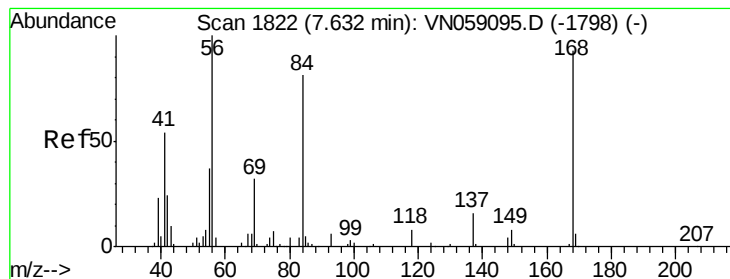
MMDadoda
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#30
Chloroform
Concen: 50.802 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 43.873 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

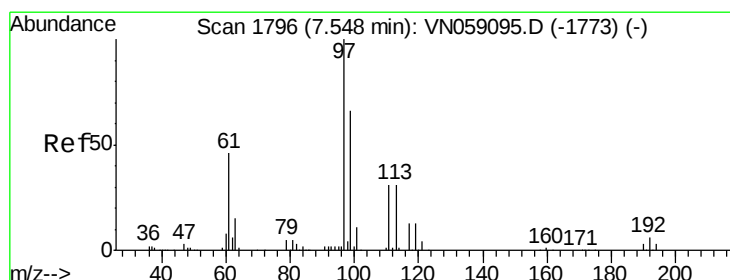
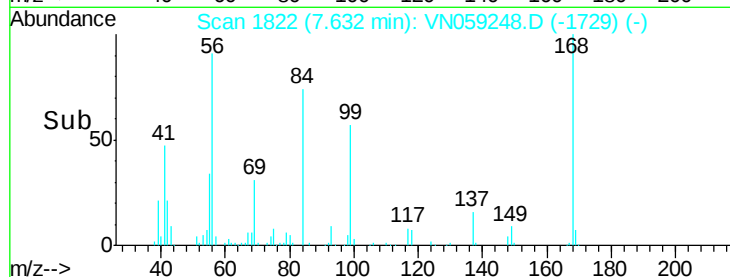
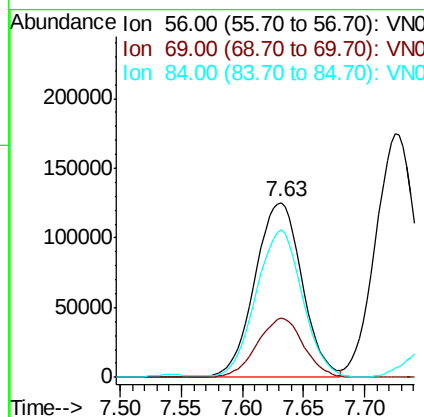
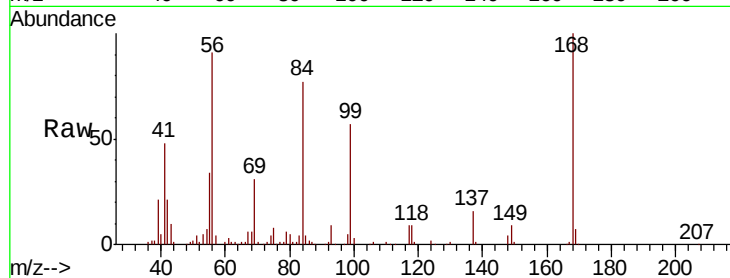
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	336920
Ion Ratio	Lower	Upper	
56	100		
69	34.0	25.8	38.8
84	83.6	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.901 ug/l

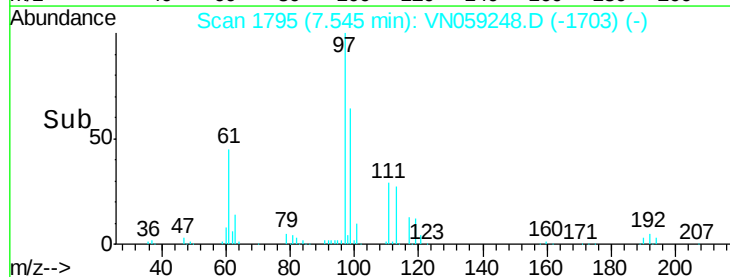
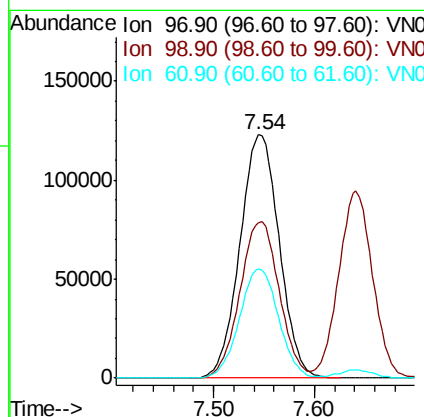
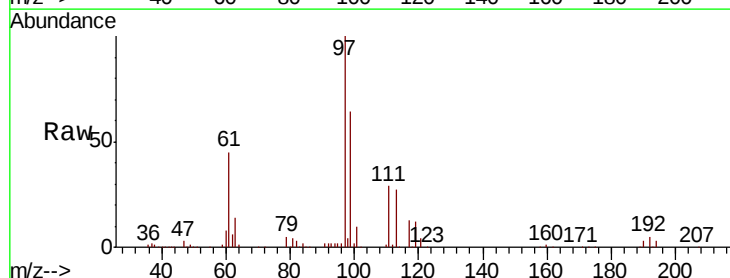
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion:	97	Resp:	333014
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.0	76.6
61	44.6	35.8	53.8





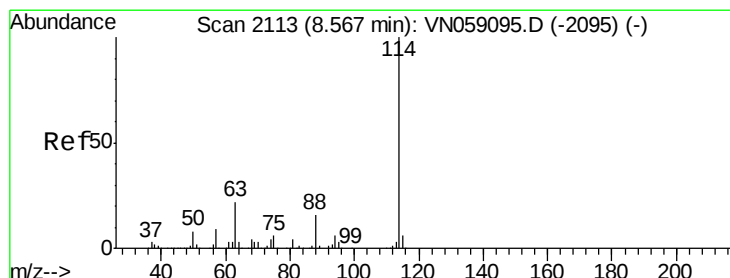
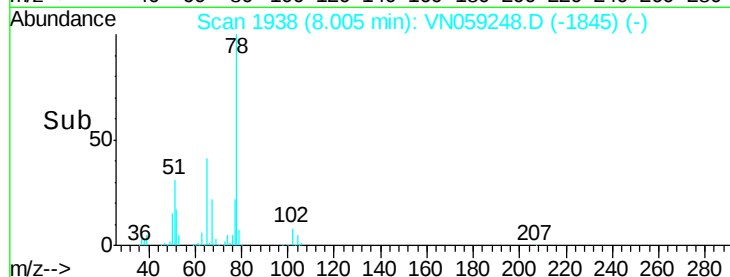
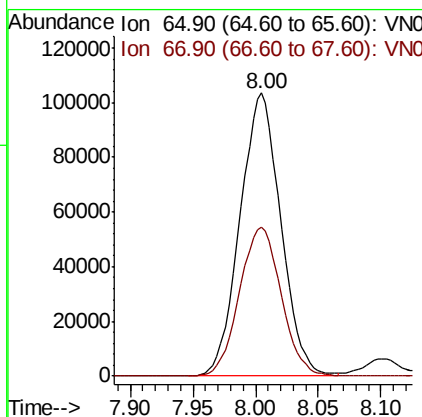
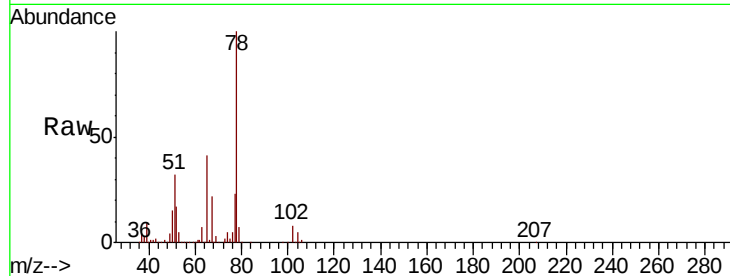
#33
 1,2-Dichloroethane-d4
 Concen: 47.508 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.4

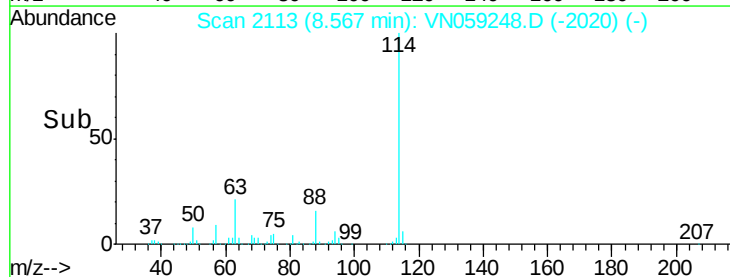
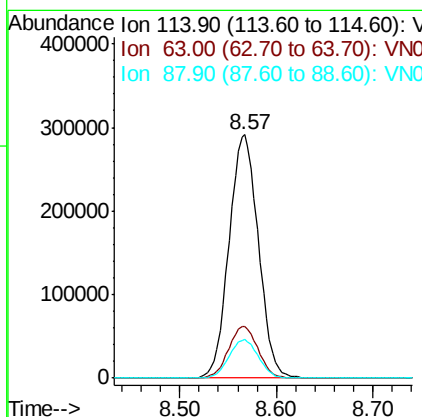
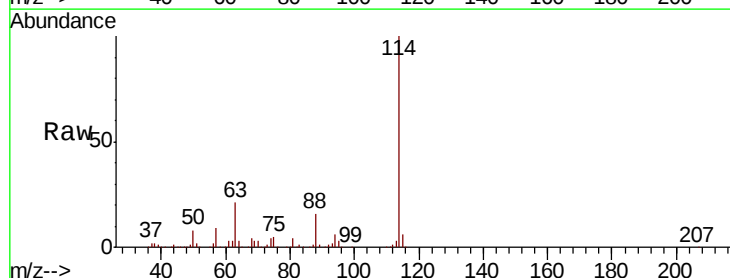
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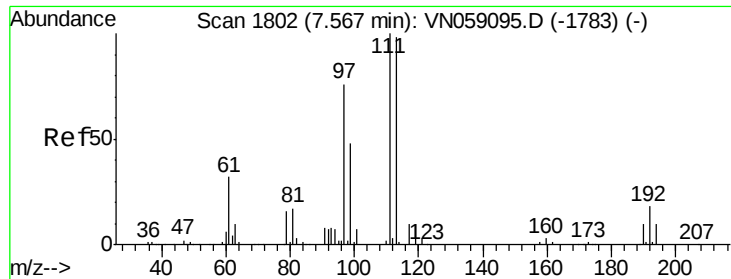
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.4
88	15.8	0.0	32.2





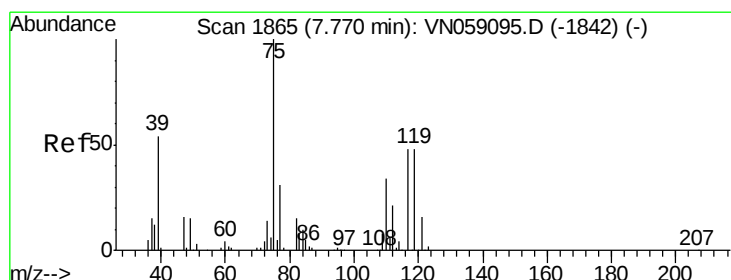
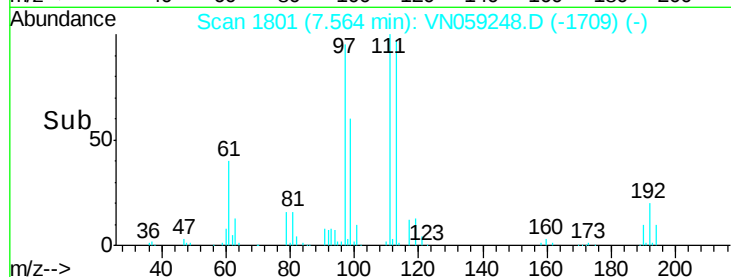
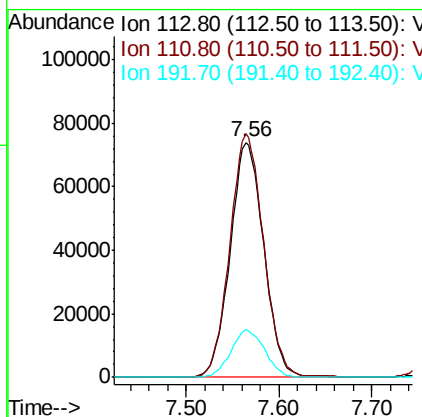
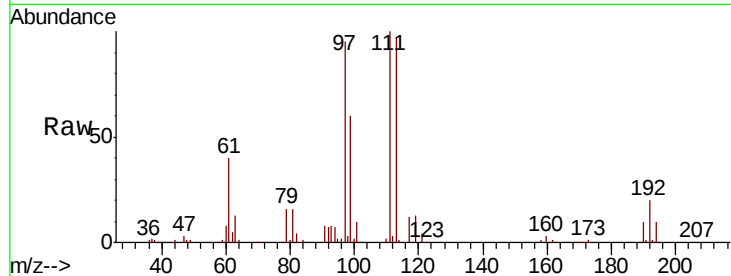
#35
Dibromofluoromethane
Concen: 50.915 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186475		
111	103.1	82.8	124.2	
192	20.2	16.1	24.1	

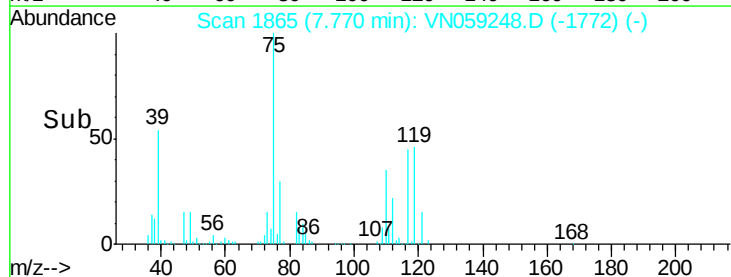
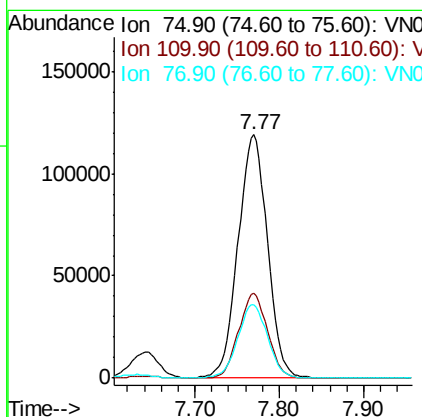
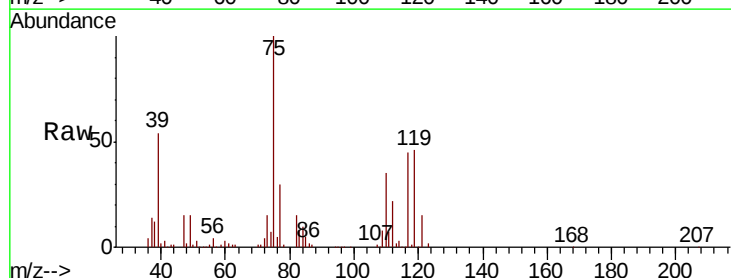
Manual Integrations
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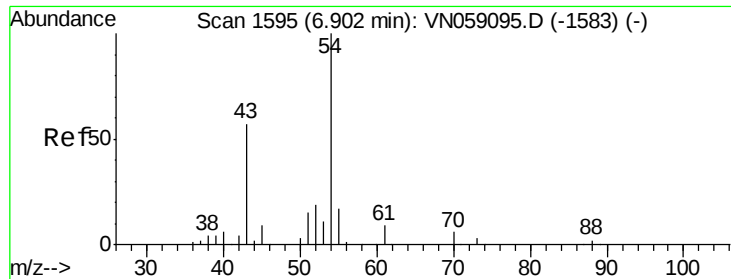
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#36
1,1-Dichloropropene
Concen: 50.473 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	289374		
110	34.2	17.1	51.2	
77	30.8	24.8	37.2	





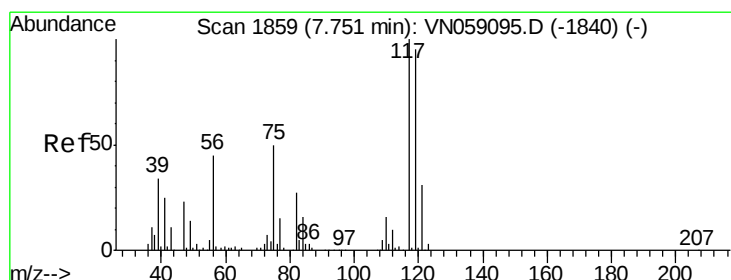
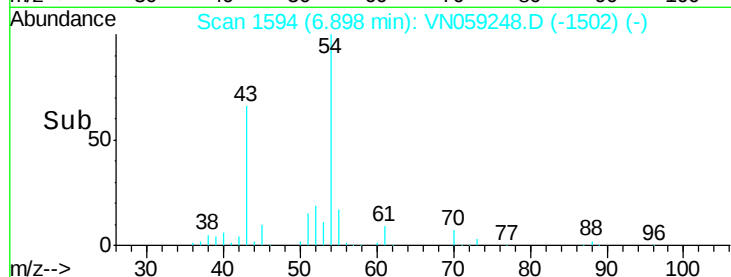
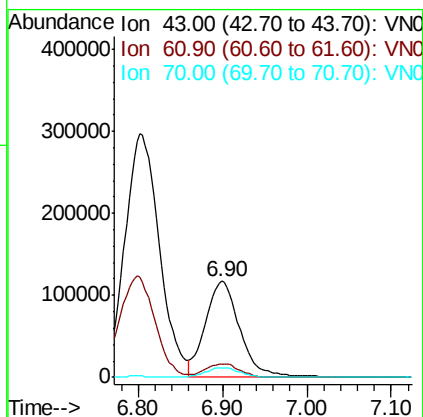
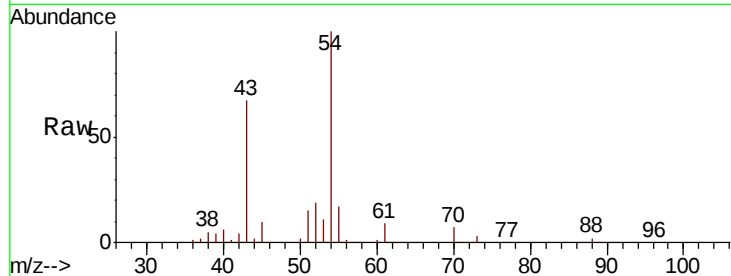
#37
Ethyl Acetate
Concen: 51.564 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	10.2	7.8	11.8

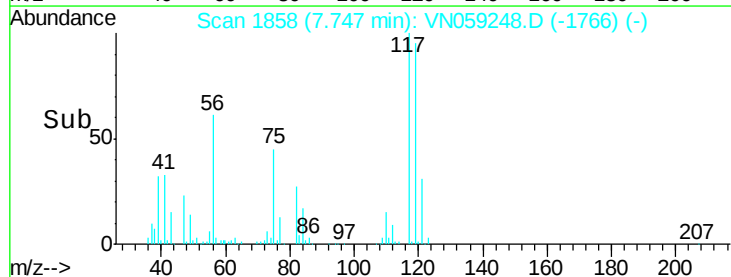
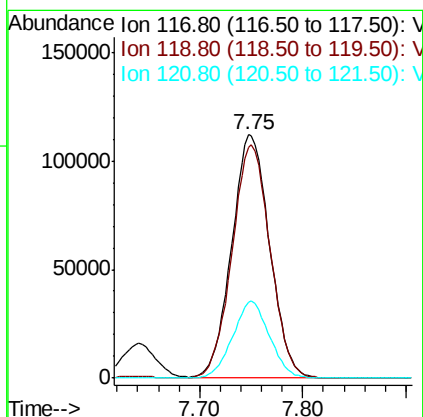
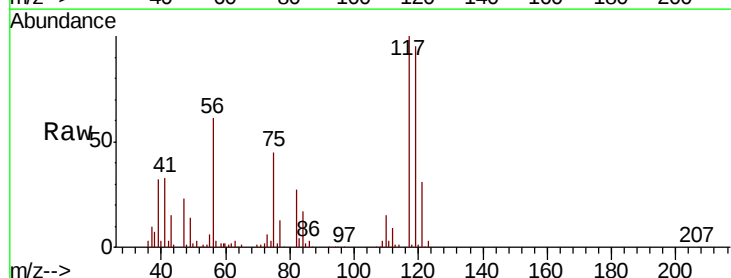
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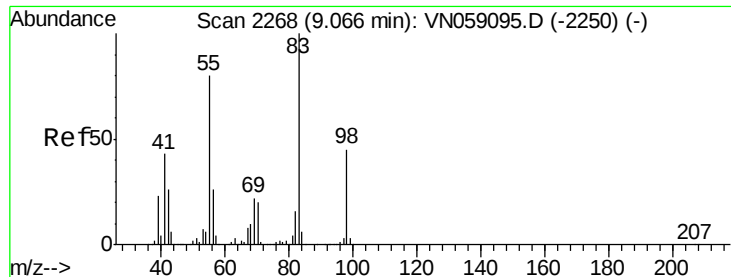
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#38
Carbon Tetrachloride
Concen: 50.390 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.6	113.4
121	31.0	24.6	36.8





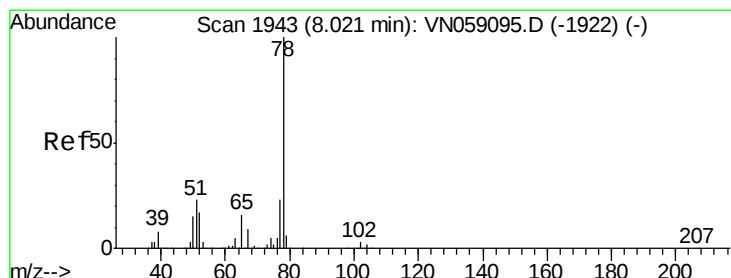
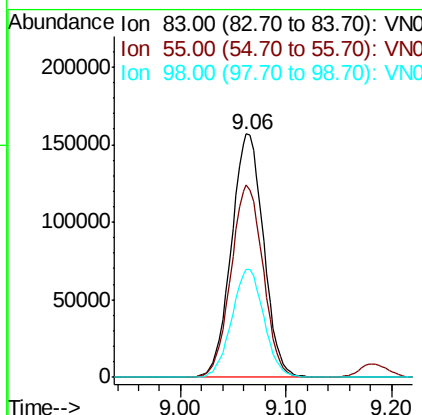
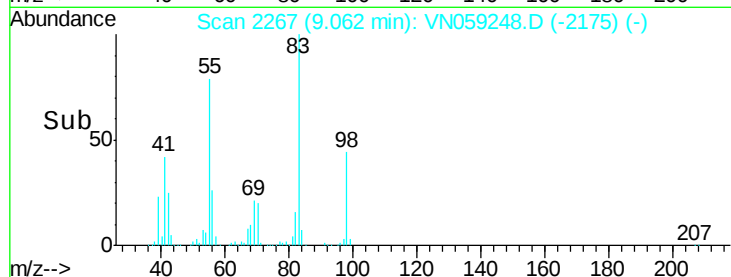
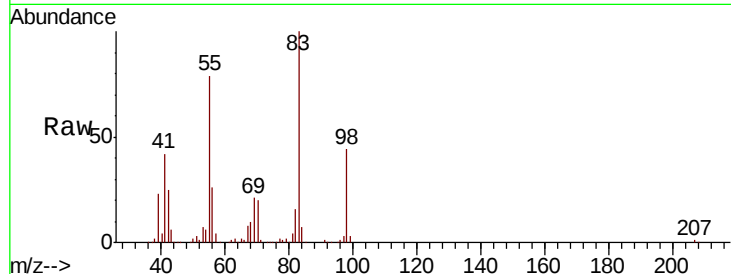
#39
Methvlcvclohexane
Concen: 49.752 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.9	63.9	95.9	
98	44.3	35.6	53.4	

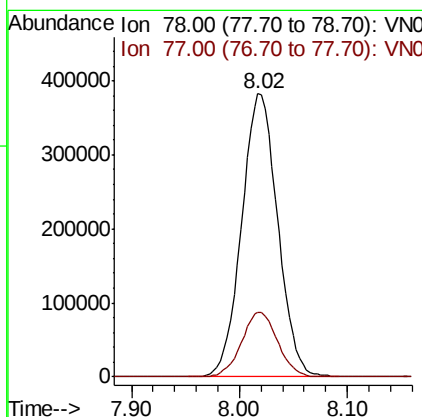
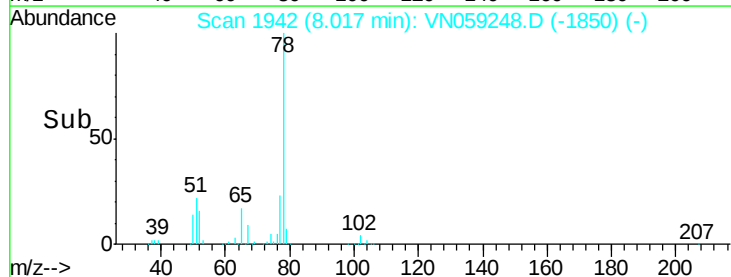
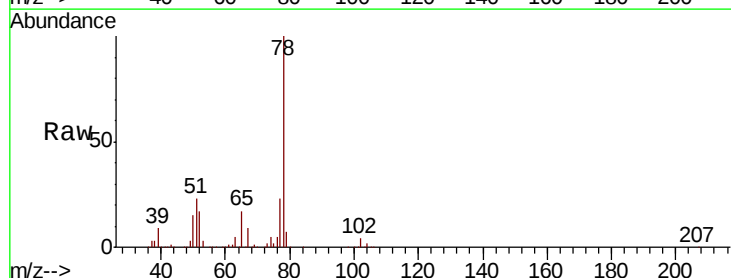
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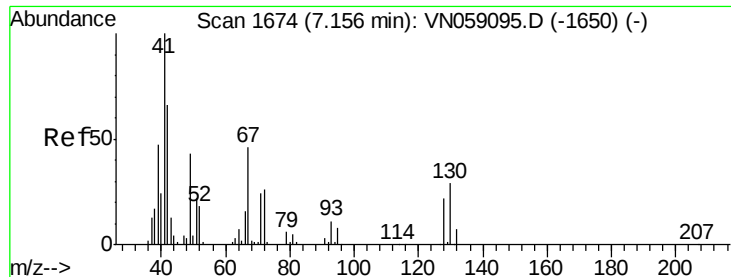
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#40
Benzene
Concen: 51.457 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





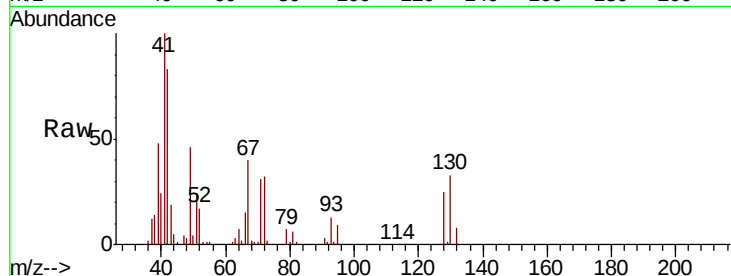
#41
Methacrylonitrile
Concen: 60.284 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

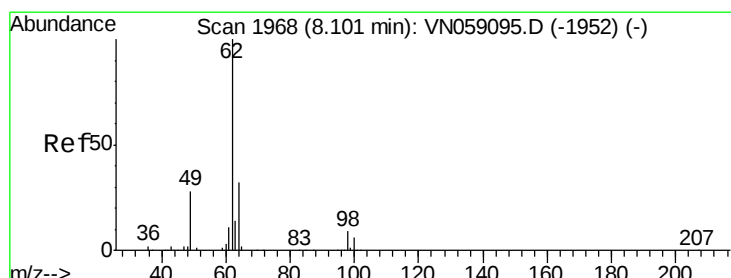
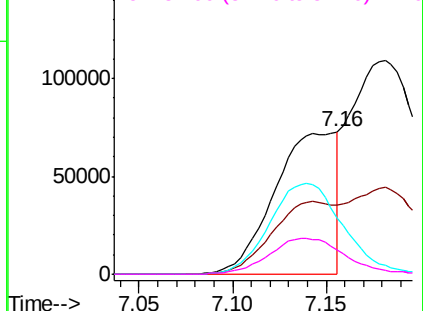
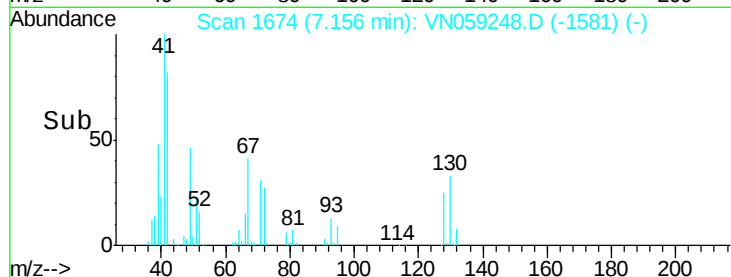
Tot Ion	Ratio	Resp	Lower	Upper
41	100	167195		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

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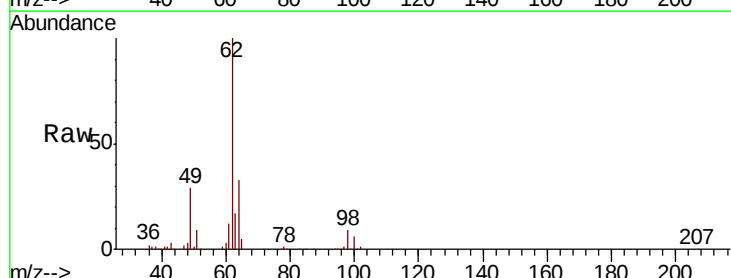


Abundance Ion 41.00 (40.70 to 41.70): VN059248.D (-1581) (-)
Ion 39.00 (38.70 to 39.70): VN059248.D (-1581) (-)
Ion 67.00 (66.70 to 67.70): VN059248.D (-1581) (-)
Ion 52.00 (51.70 to 52.70): VN059248.D (-1581) (-)

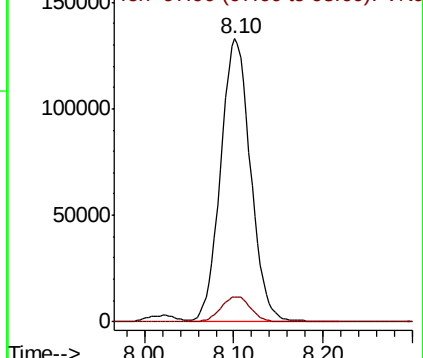
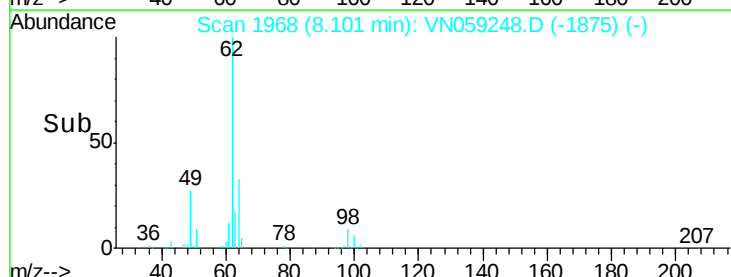


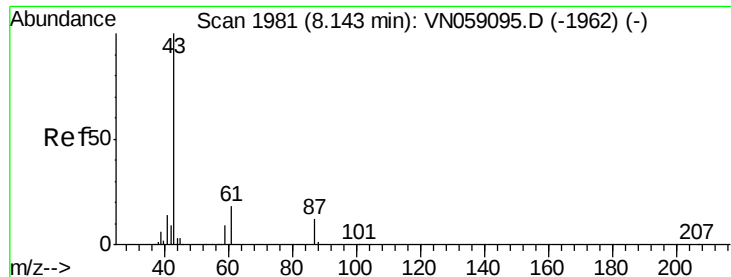
#42
1,2-Dichloroethane
Concen: 52.021 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	308038		
98	9.0	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VN059248.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN059248.D (-1875) (-)





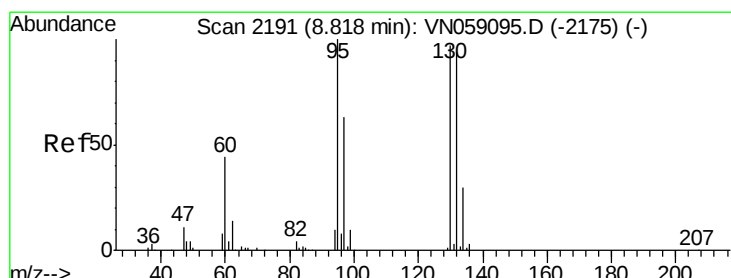
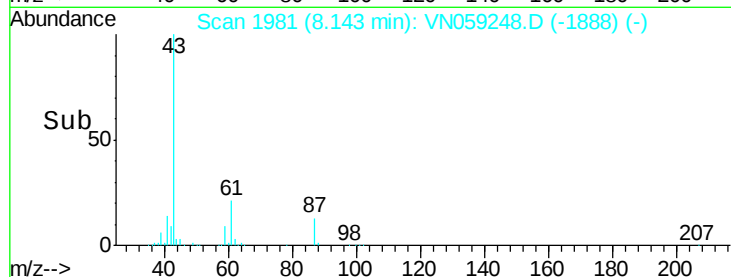
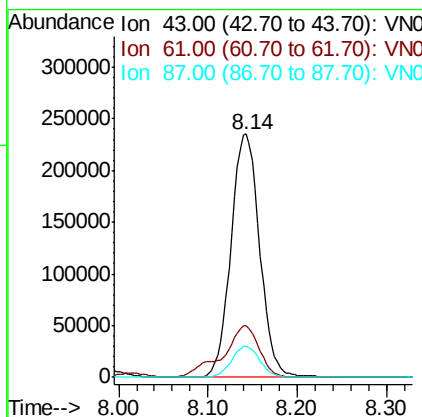
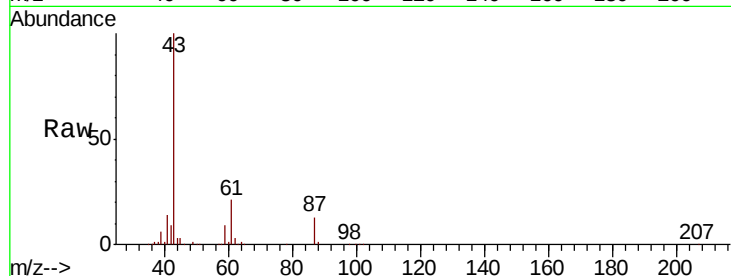
#43
Isopropyl Acetate
Concen: 51.332 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.0	31.6
87	12.6	9.8	14.6

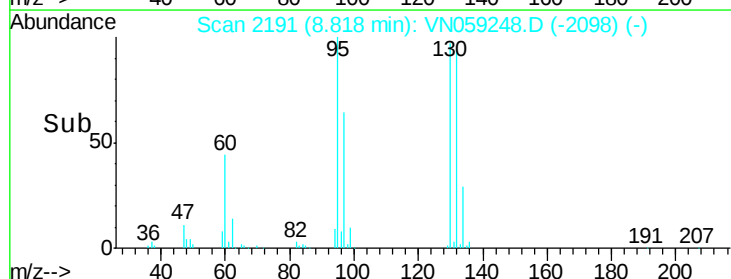
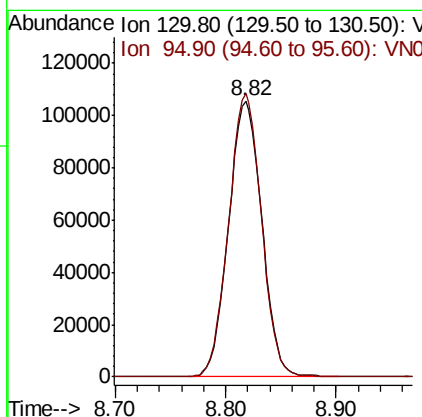
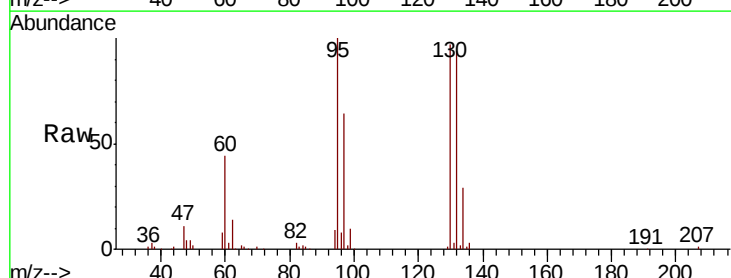
Manual Integrations
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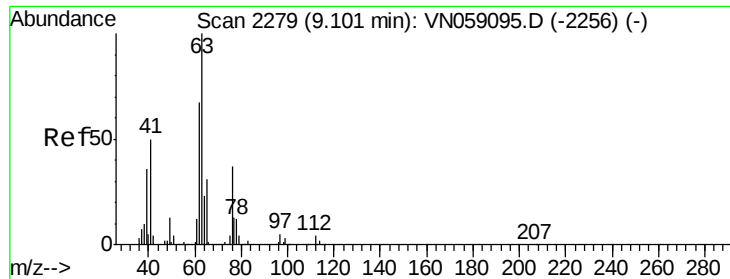
MMDadoda
11/18/2019 3:10:18 PM



#44
Trichloroethene
Concen: 52.002 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	206.4





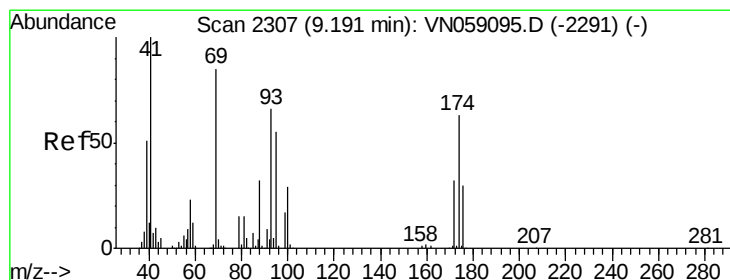
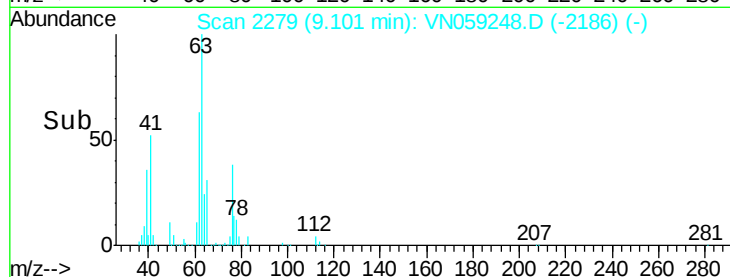
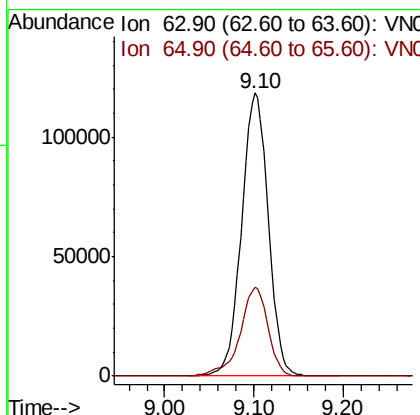
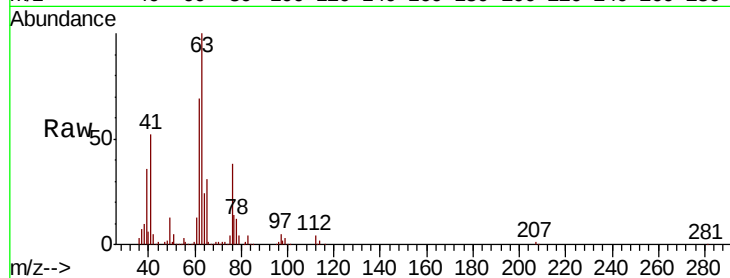
#45
 1,2-Dichloropropane
 Concen: 52.631 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.6	37.0

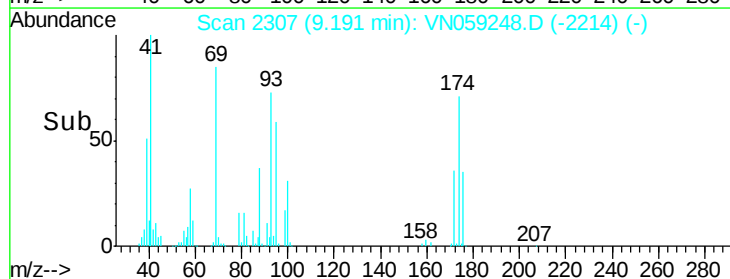
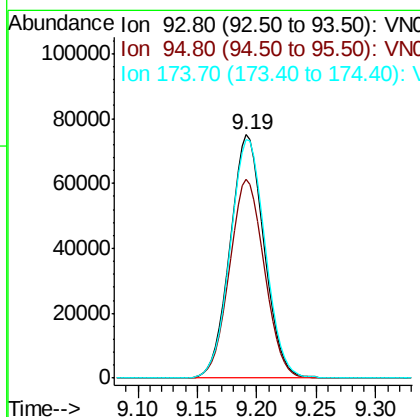
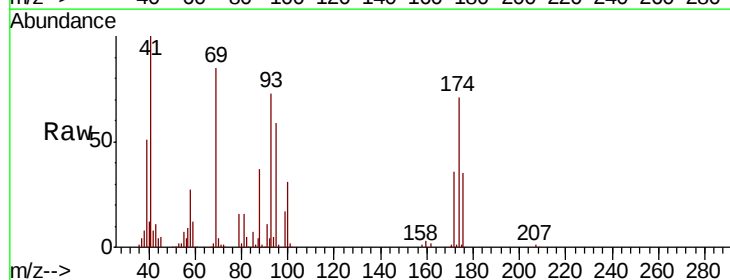
Manual Integrations
 APPROVED

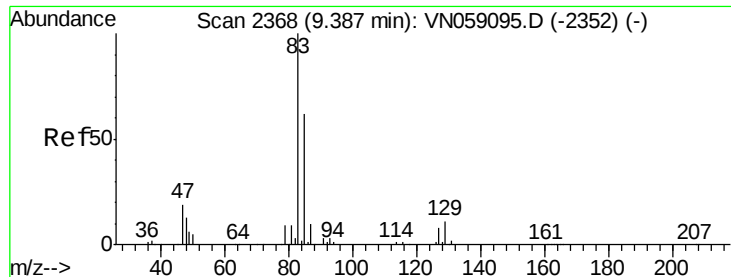
MMDadoda
 11/18/2019 3:10:18 PM



#46
 Dibromomethane
 Concen: 50.935 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.6	100.0
174	101.0	78.2	117.2





#47

Bromodichloromethane

Concen: 53.629 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

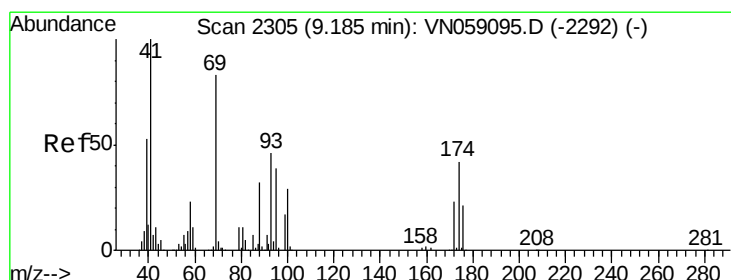
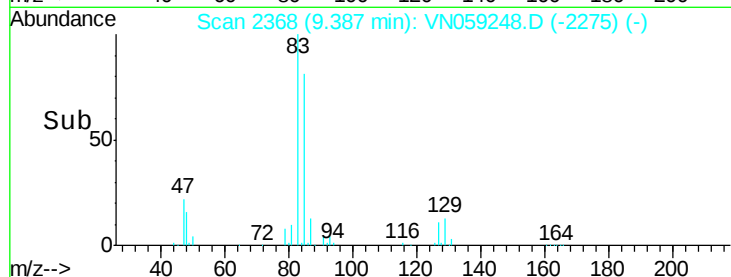
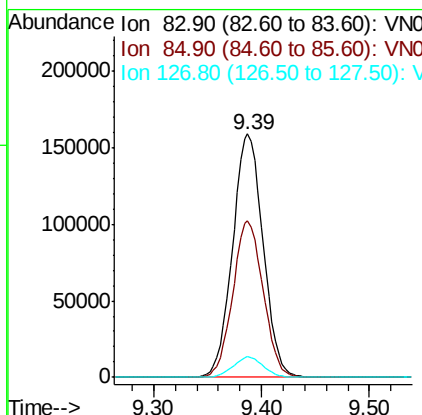
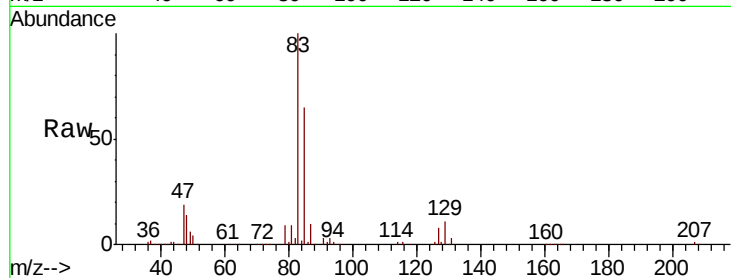
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	312935
Ion Ratio	Lower	Upper	
83	100		
85	64.6	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
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MMDadoda
11/18/2019 3:10:18 PM



#48

Methyl methacrylate

Concen: 51.375 ug/l

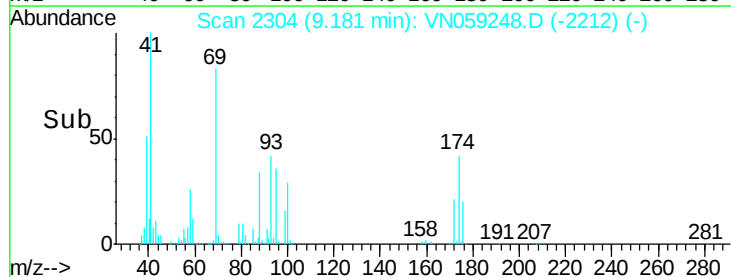
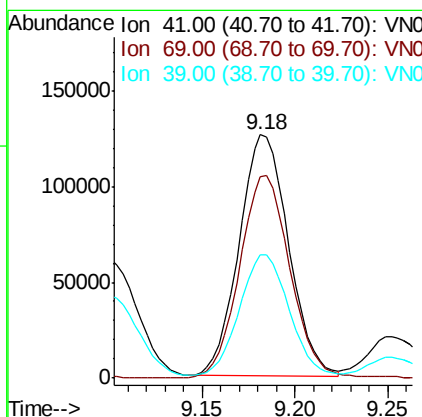
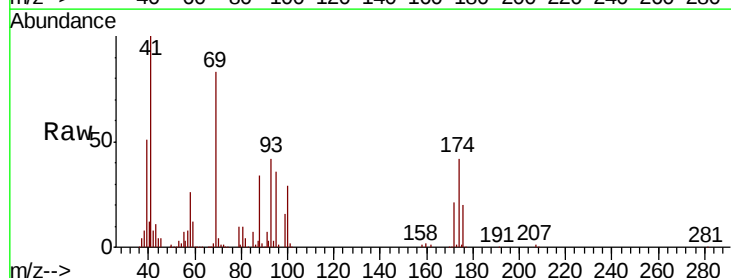
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion:	41	Resp:	233668
Ion Ratio	Lower	Upper	
41	100		
69	86.4	67.3	100.9
39	52.6	43.3	64.9





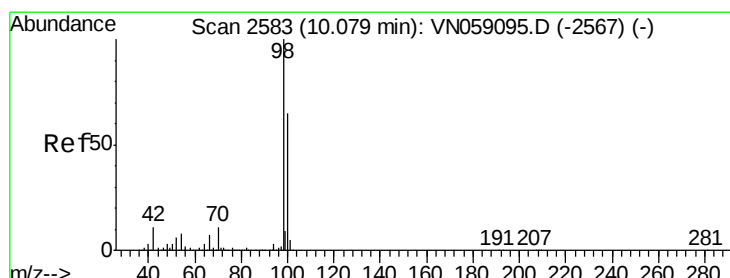
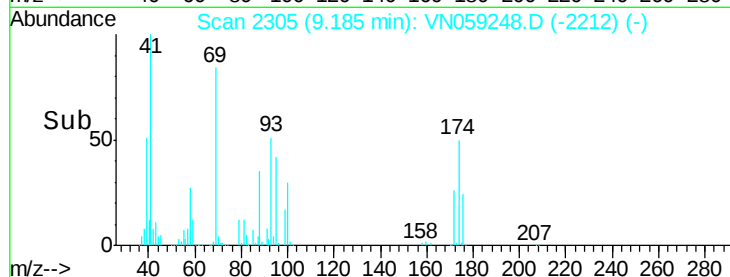
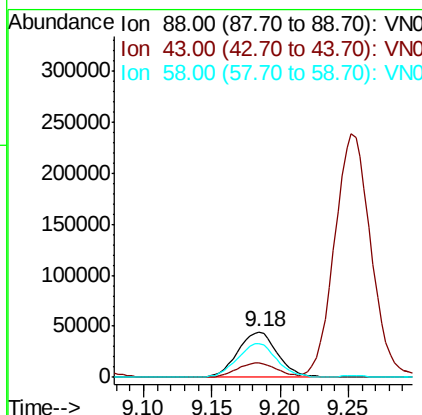
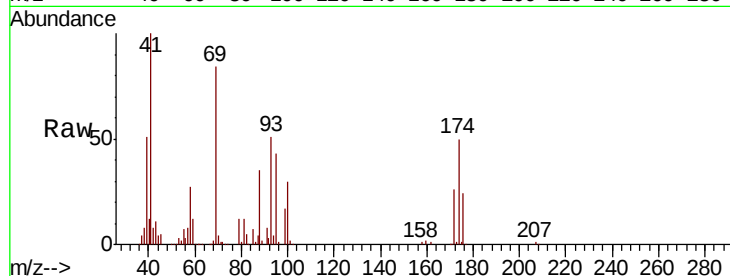
#49
1,4-Dioxane
Concen: 1125.583 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.3	39.5
58	73.1	60.6	90.8

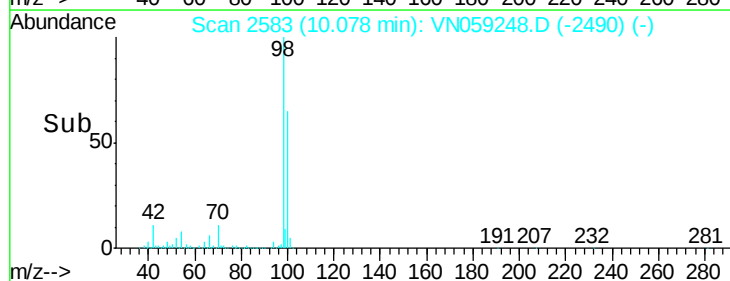
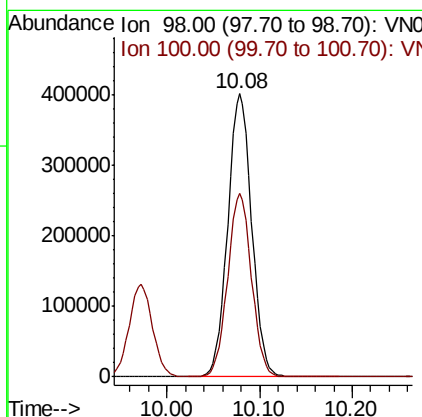
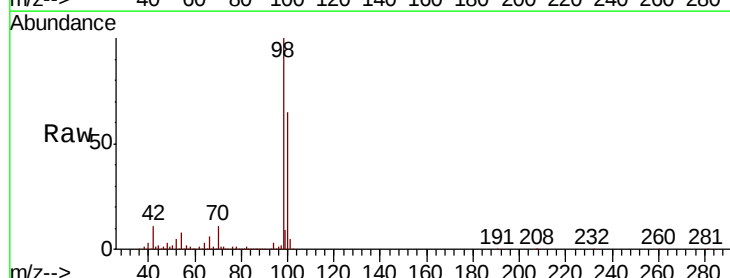
Manual Integrations
APPROVED

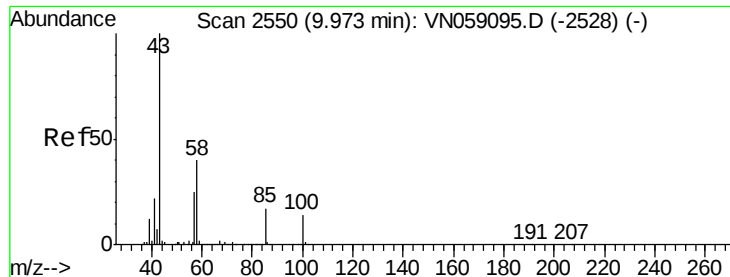
MMDadoda
11/18/2019 3:10:18 PM



#50
Toluene-d8
Concen: 49.717 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 286.482 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1648270

Ion Ratio Lower Upper

43 100

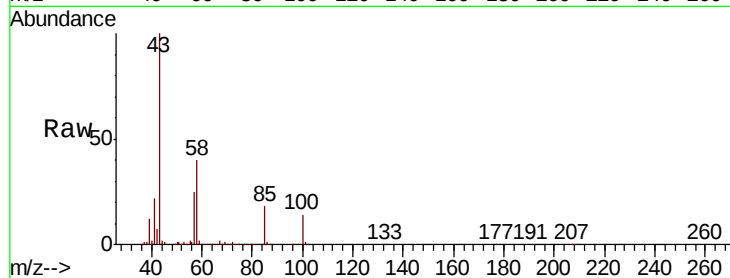
58 39.8 31.5 47.3

Manual Integrations

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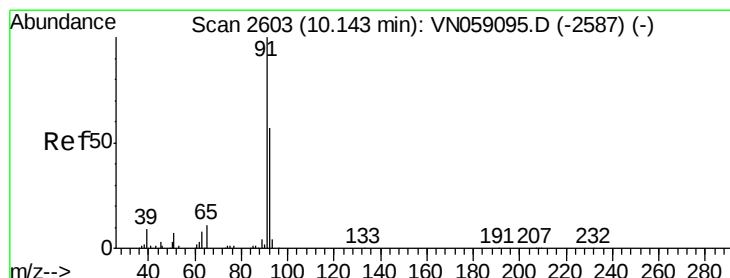
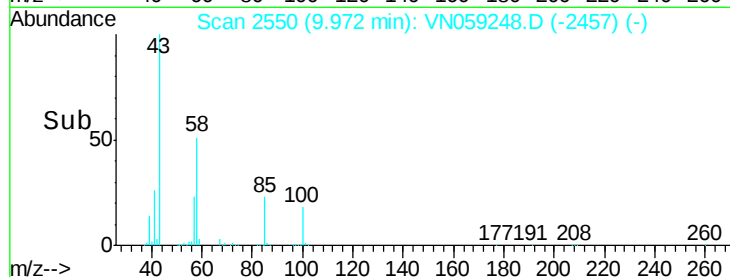
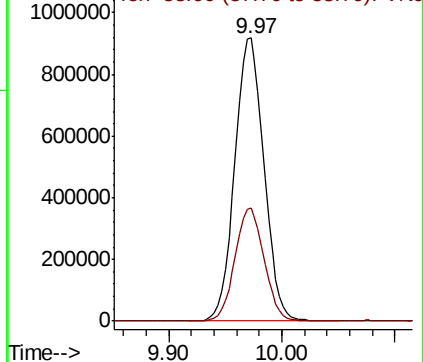
MMDadoda

11/18/2019 3:10:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.868 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059248.D

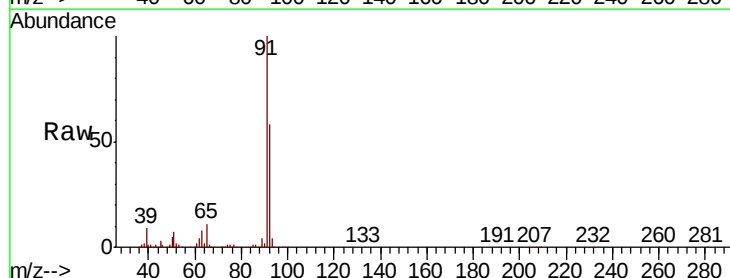
Acq: 15 Nov 2019 8:35

Tgt Ion: 92 Resp: 547081

Ion Ratio Lower Upper

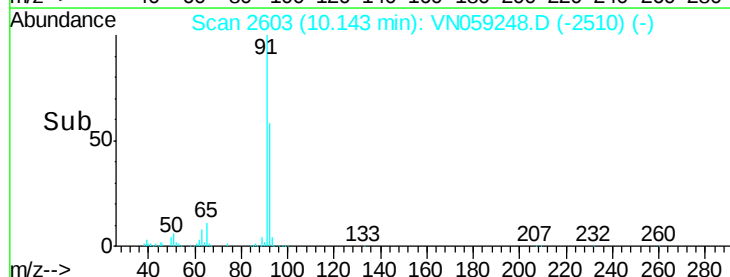
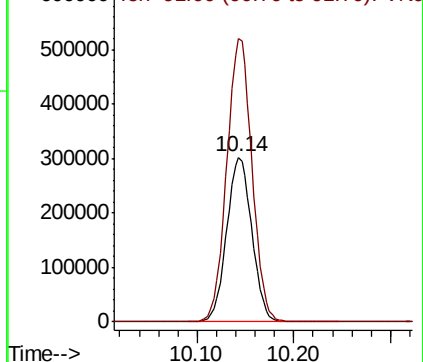
92 100

91 172.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





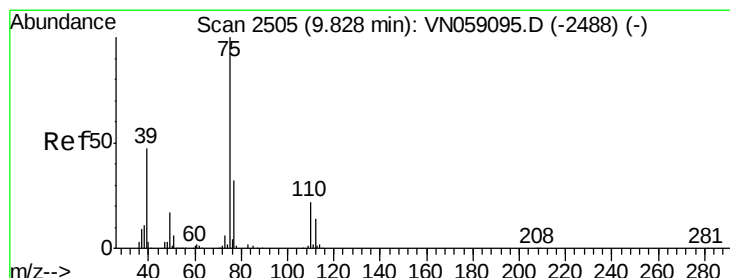
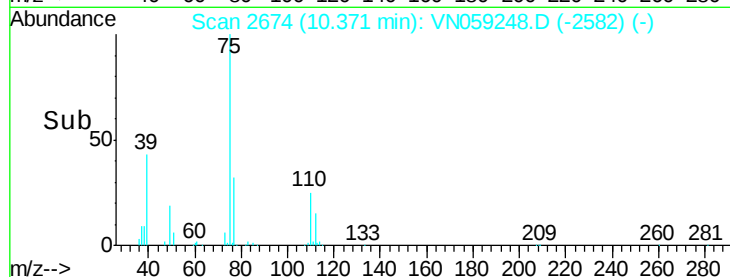
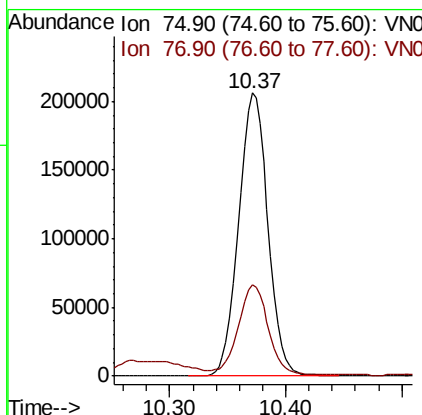
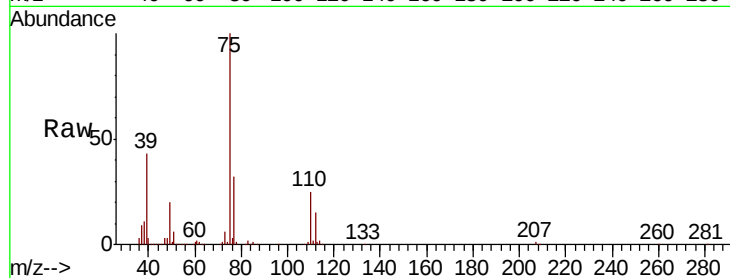
#53
t-1,3-Dichloropropene
Concen: 53.219 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

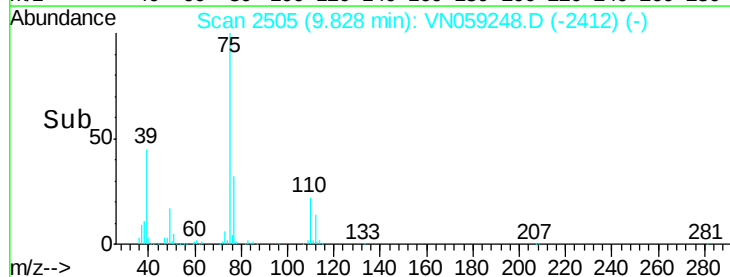
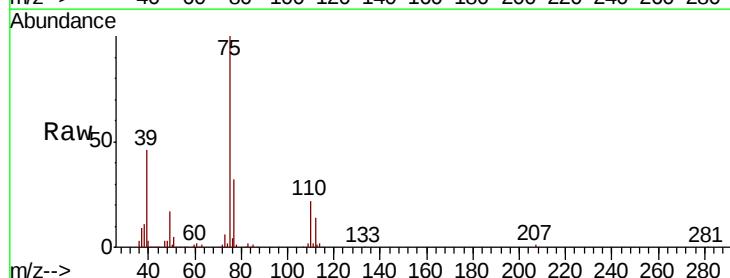
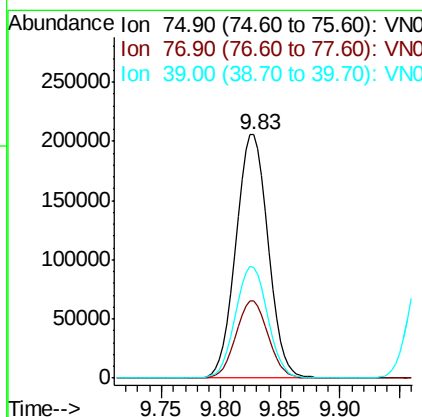
Manual Integrations
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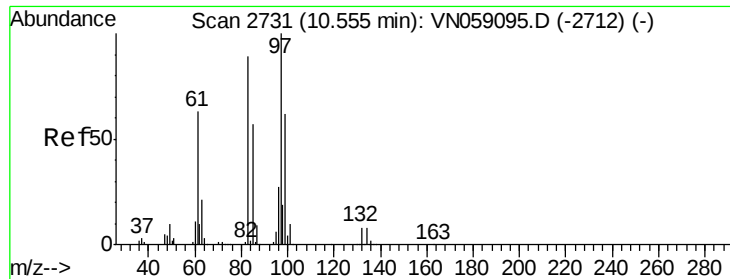
MMDadoda
11/18/2019 3:10:18 PM



#54
cis-1,3-Dichloropropene
Concen: 53.334 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	45.4	37.3	55.9





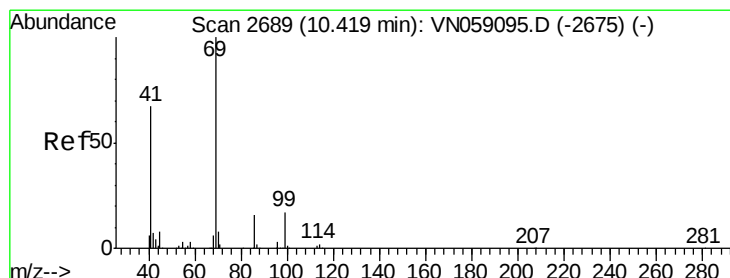
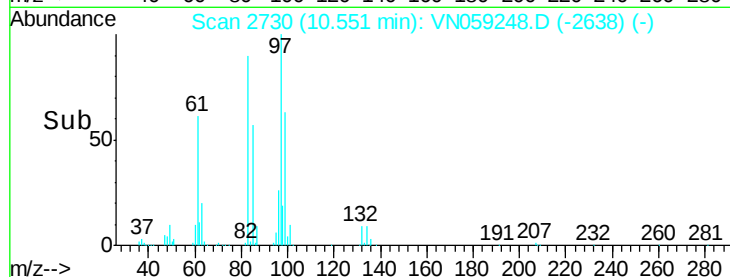
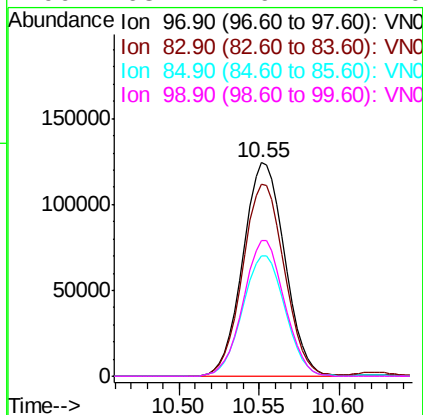
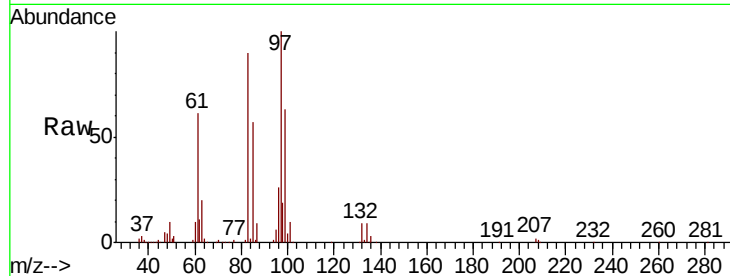
#55
 1,1,2-Trichloroethane
 Concen: 53.138 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	222542
Ion Ratio	Lower	Upper	
97	100		
83	90.0	71.0	106.4
85	56.5	45.8	68.8
99	63.4	49.4	74.0

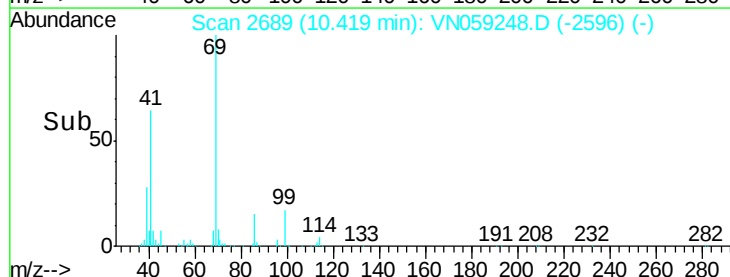
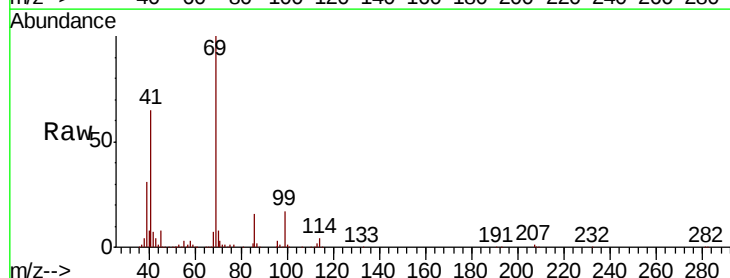
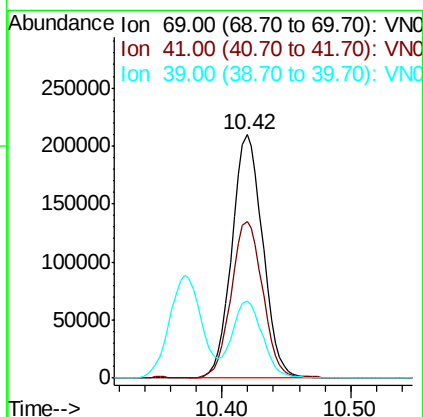
Manual Integrations
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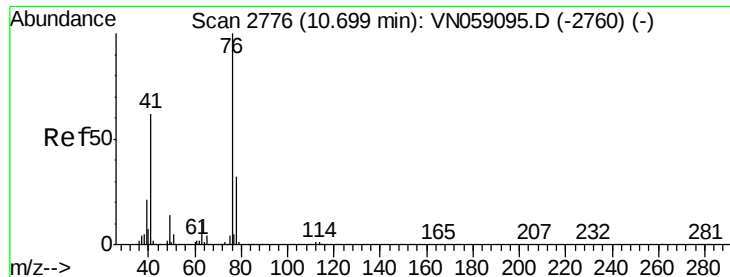
MMDadoda
 11/18/2019 3:10:18 PM



#56
 Ethyl methacrylate
 Concen: 49.920 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion:	69	Resp:	348670
Ion Ratio	Lower	Upper	
69	100		
41	64.9	53.6	80.4
39	31.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 53.247 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 383798

Ion Ratio Lower Upper

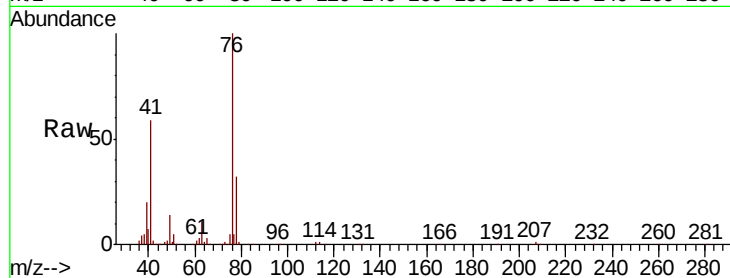
76 100

78 32.2 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

100000

50000

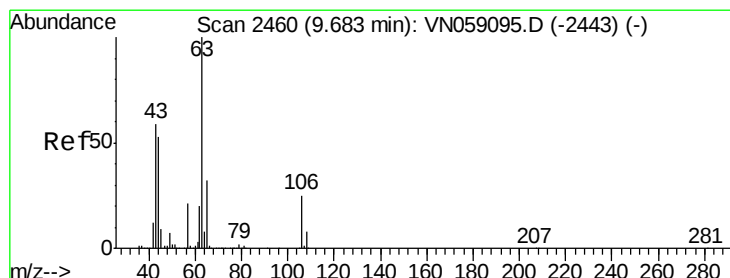
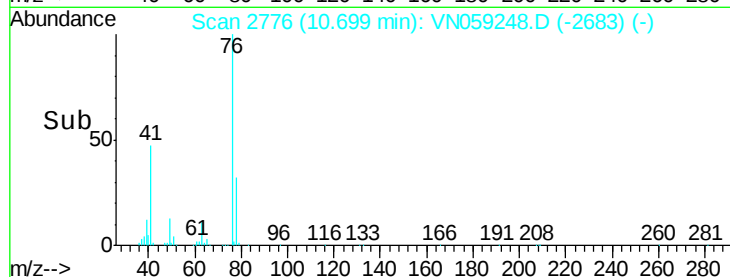
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 294.365 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059248.D

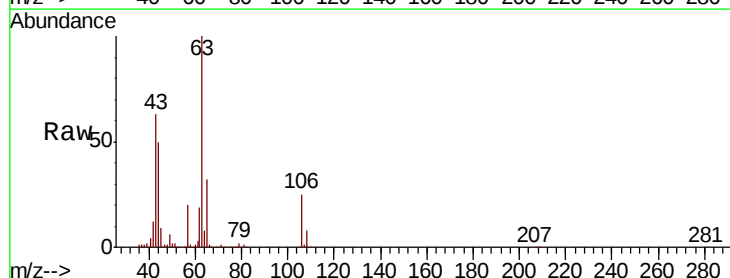
Acq: 15 Nov 2019 8:35

Tgt Ion: 63 Resp: 686081

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

400000

300000

200000

100000

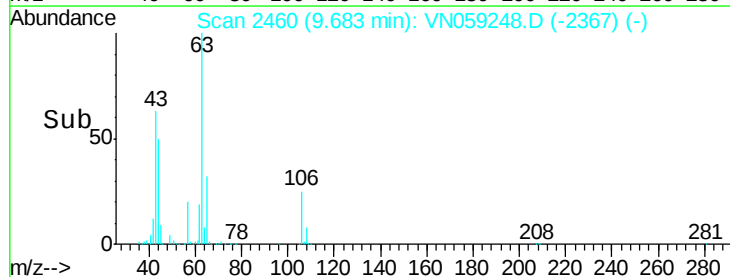
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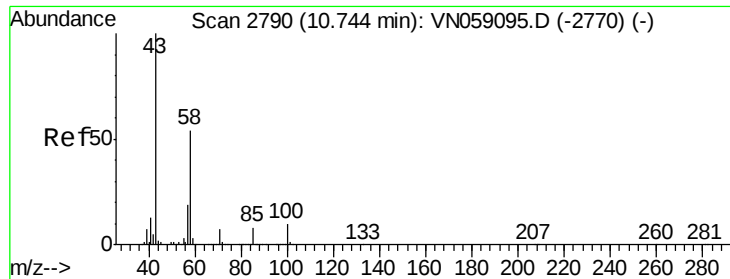
9.60

9.70

9.80

Time-->





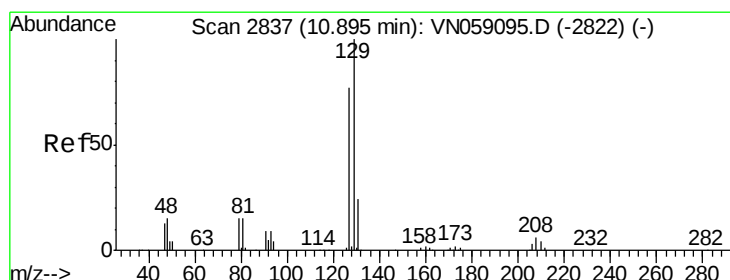
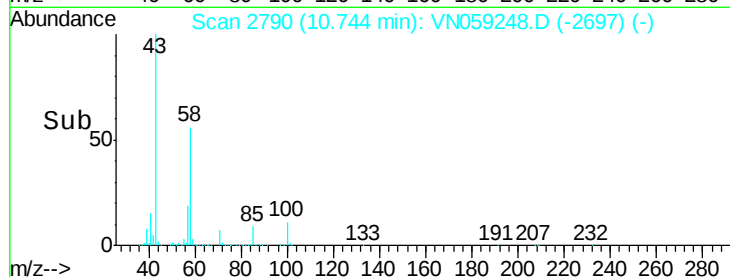
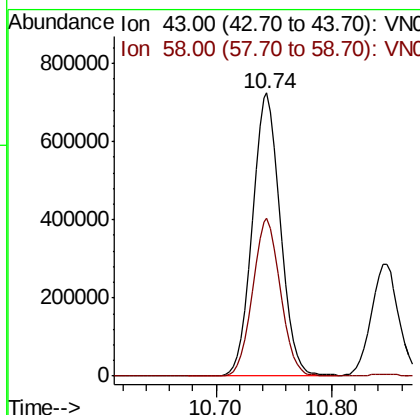
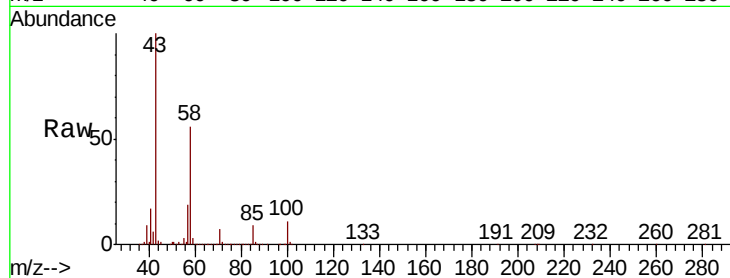
#59
2-Hexanone
Concen: 276.221 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1219811
Ion Ratio Lower Upper
43 100
58 55.6 27.3 81.8

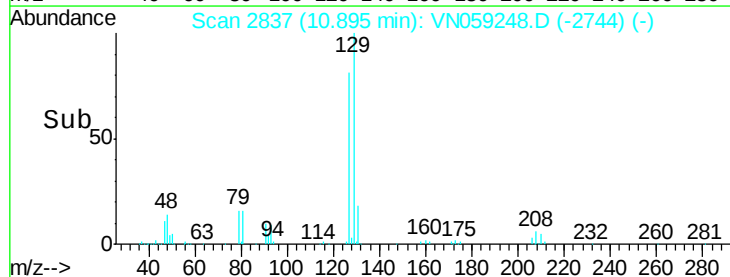
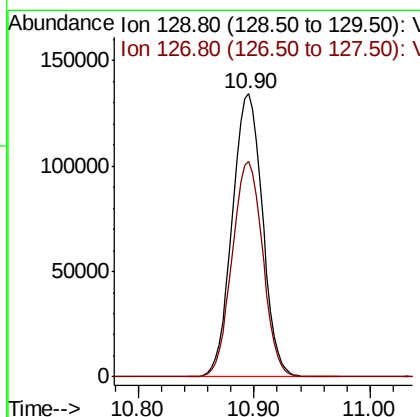
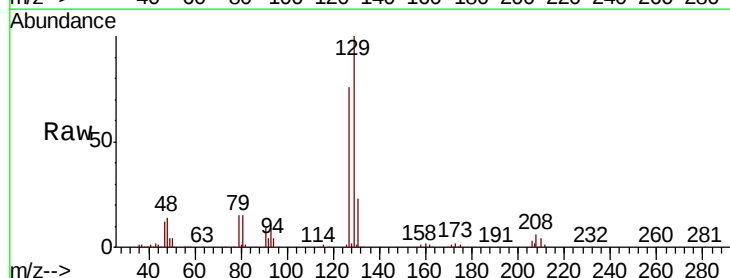
Manual Integrations
APPROVED

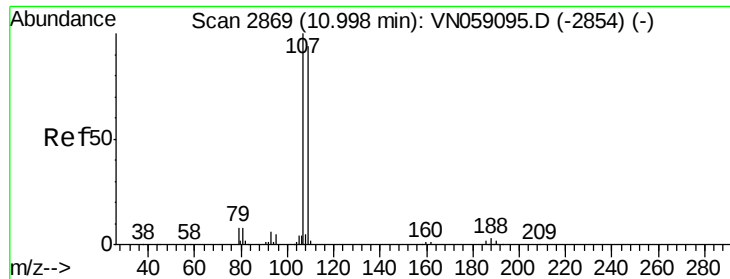
MMDadoda
11/18/2019 3:10:18 PM



#60
Dibromochloromethane
Concen: 54.906 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion: 129 Resp: 243120
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





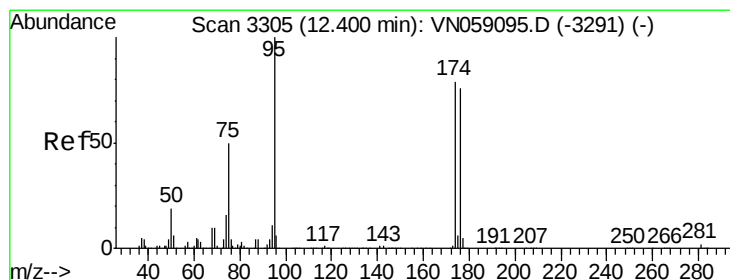
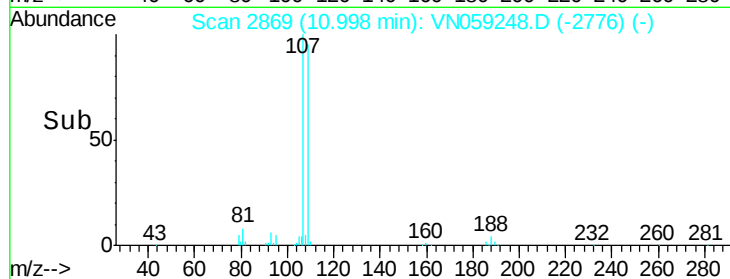
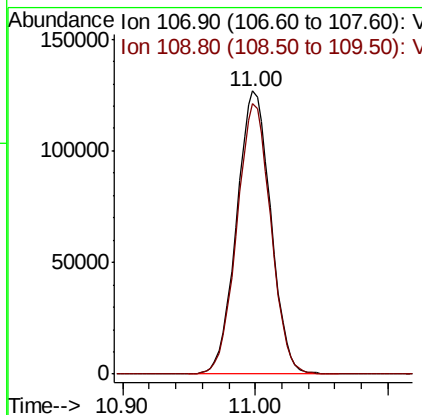
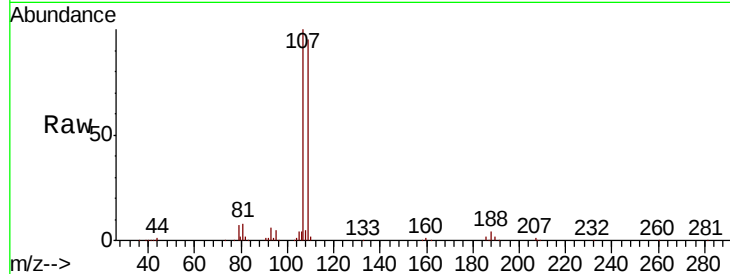
#61
 1,2-Dibromoethane
 Concen: 53.509 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.5	113.3

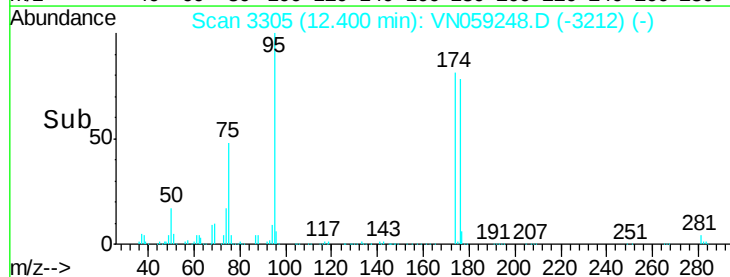
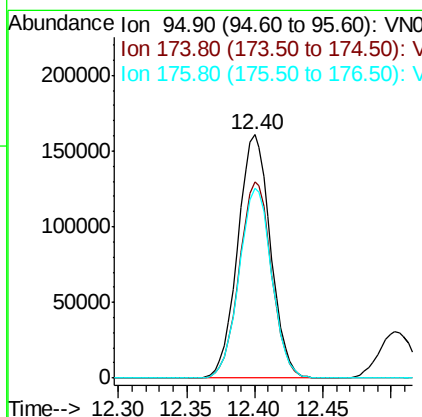
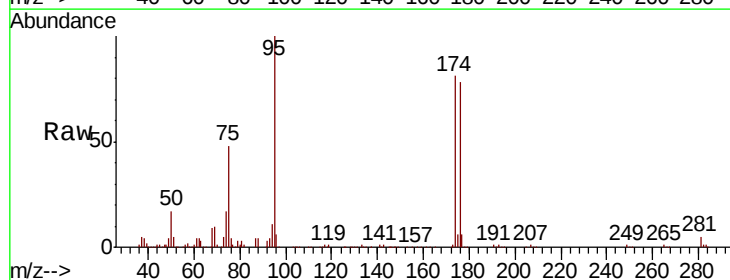
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#62
 4-Bromofluorobenzene
 Concen: 51.534 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	158.2
176	77.6	0.0	151.8





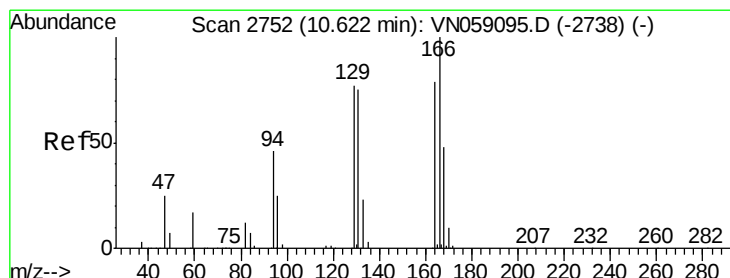
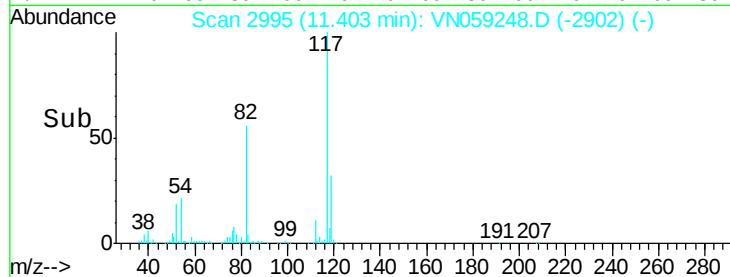
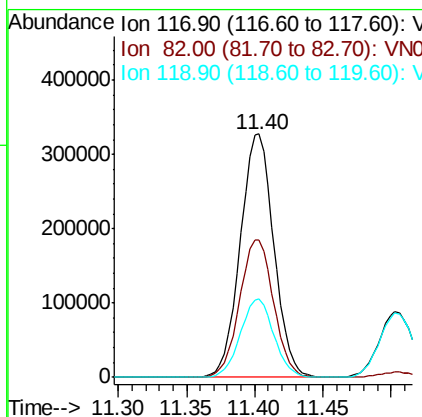
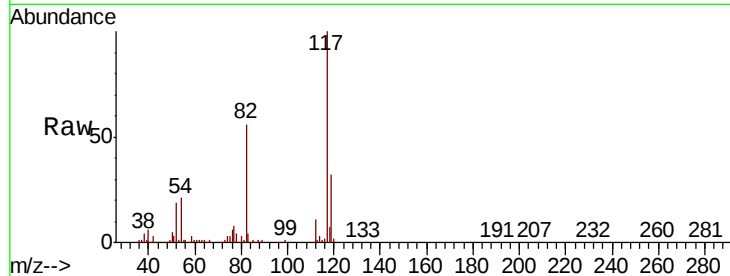
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	559603		
82	56.3		45.8	68.8
119	32.1		25.8	38.6

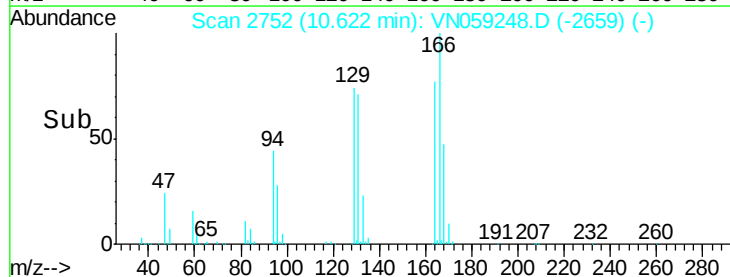
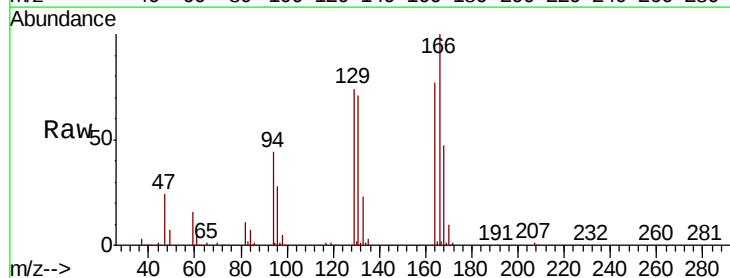
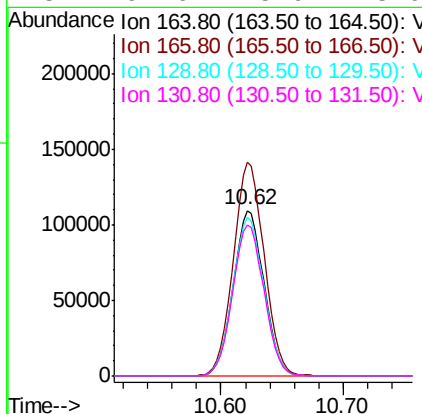
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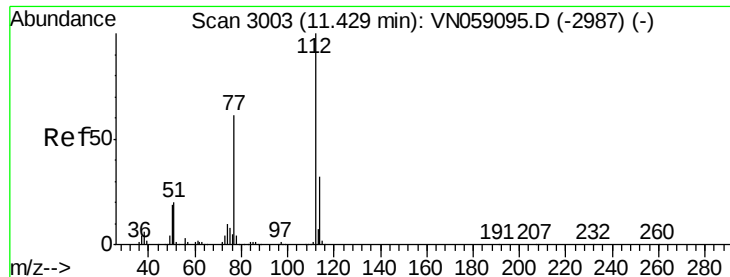
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#64
Tetrachloroethene
Concen: 50.540 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192315		
166	129.2		101.5	152.3
129	96.2		78.3	117.5
131	91.6		75.9	113.9





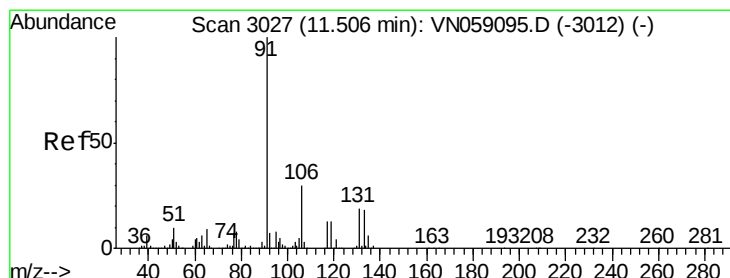
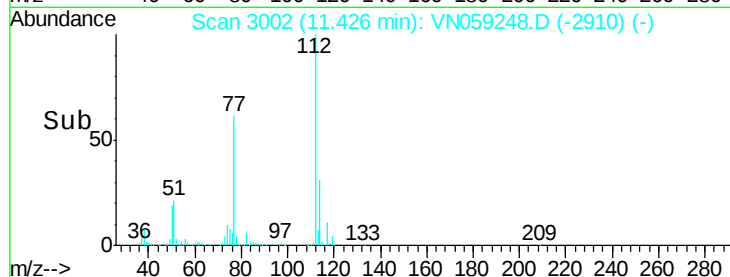
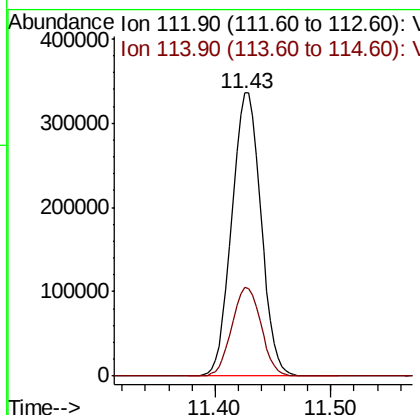
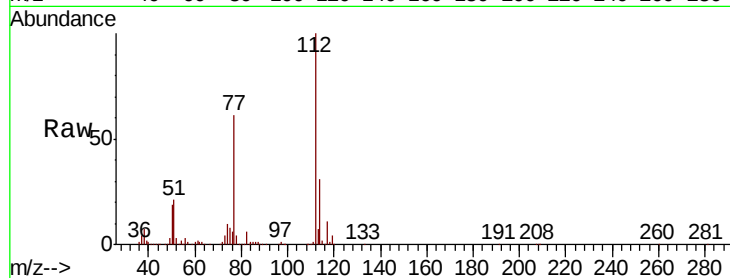
#65
Chlorobenzene
Concen: 53.496 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 583575
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

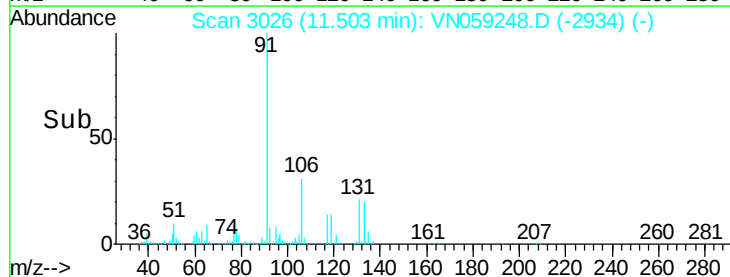
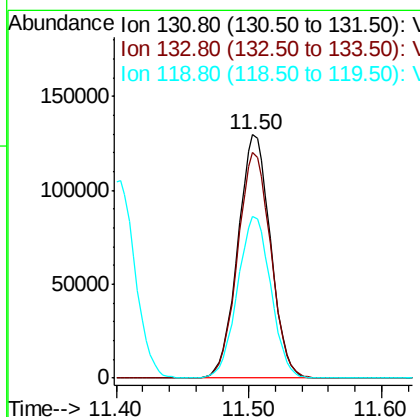
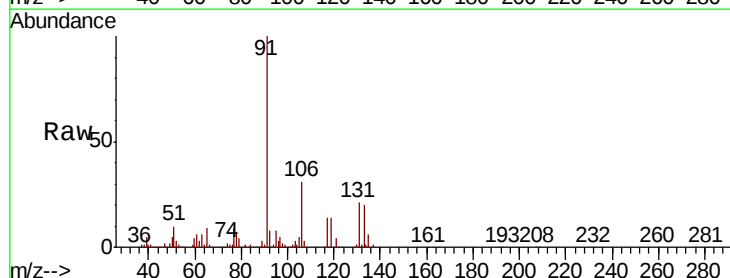
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.162 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion:131 Resp: 221640
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 67.8 33.2 99.6





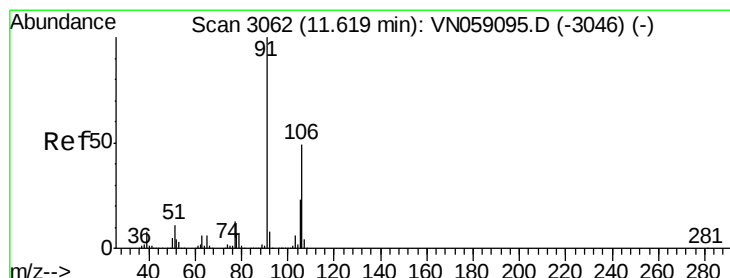
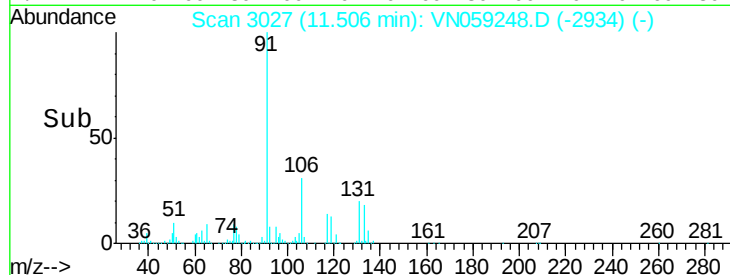
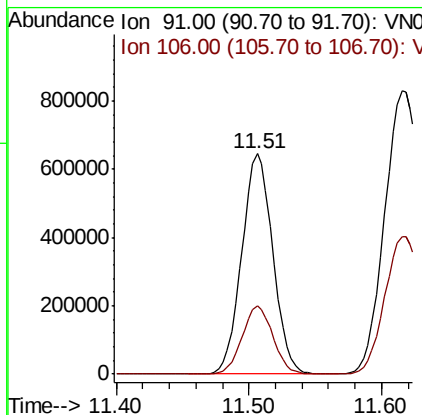
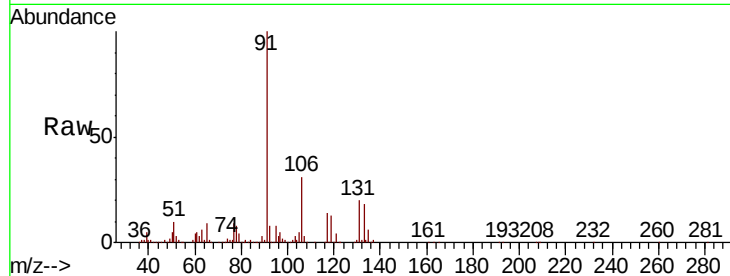
#67
Ethyl Benzene
Concen: 54.265 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1050288
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

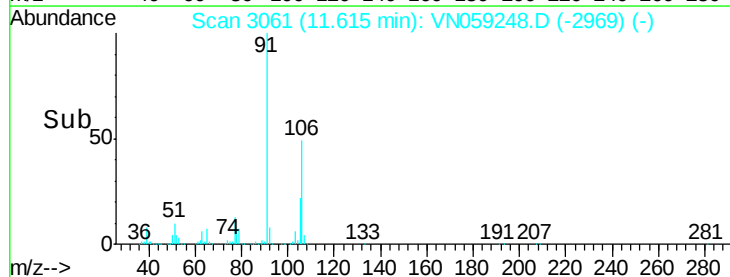
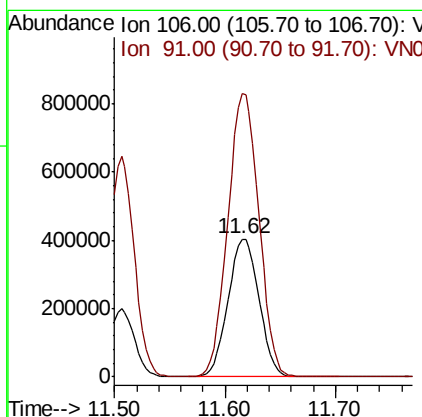
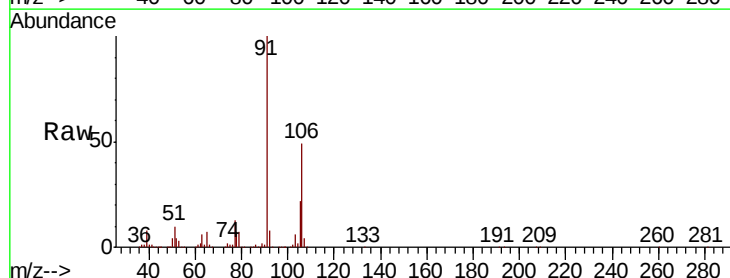
Manual Integrations
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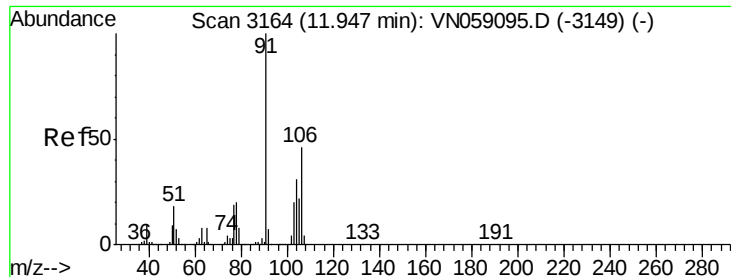
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#68
m/p-Xylenes
Concen: 108.373 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion: 106 Resp: 785711
Ion Ratio Lower Upper
106 100
91 206.6 164.7 247.1





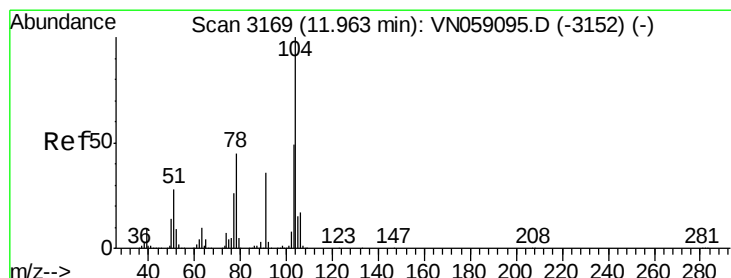
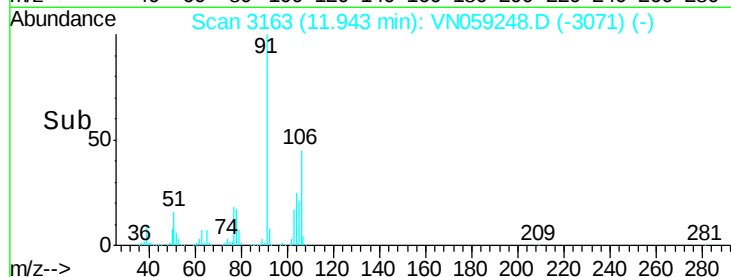
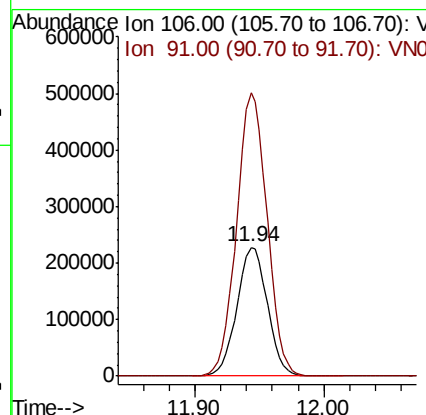
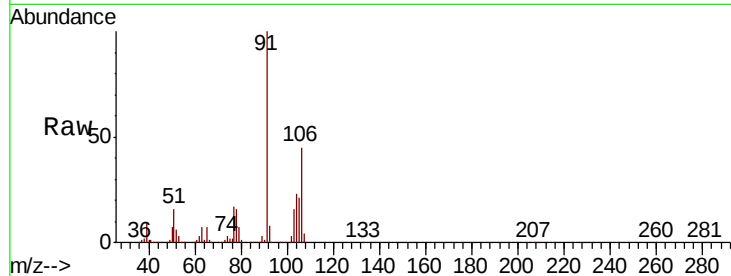
#69
o-Xylene
Concen: 53.399 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 374138
Ion Ratio Lower Upper
106 100
91 219.9 110.1 330.3

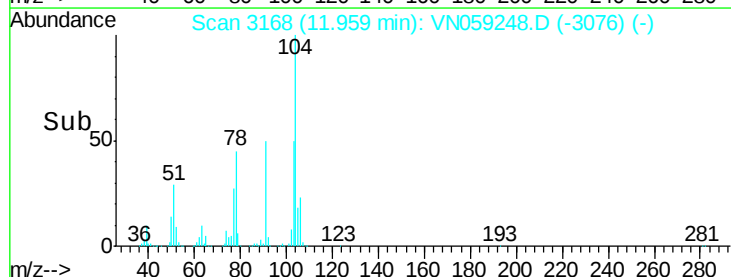
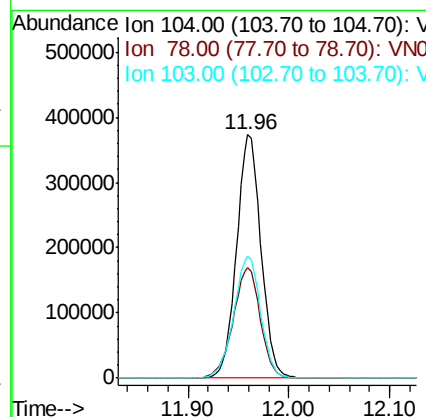
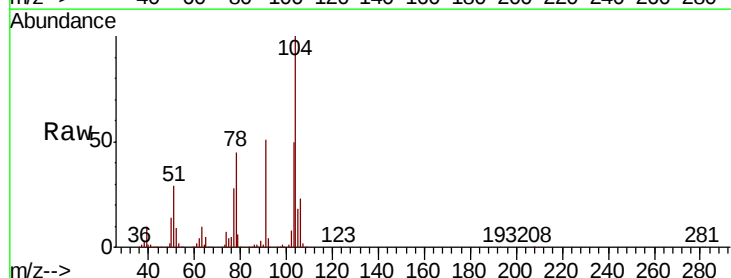
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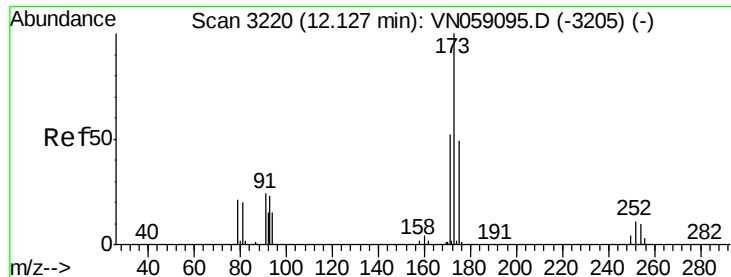
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#70
Styrene
Concen: 57.063 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion:104 Resp: 628789
Ion Ratio Lower Upper
104 100
78 50.4 41.2 61.8
103 55.0 43.8 65.6





#71

Bromoform

Concen: 55.706 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

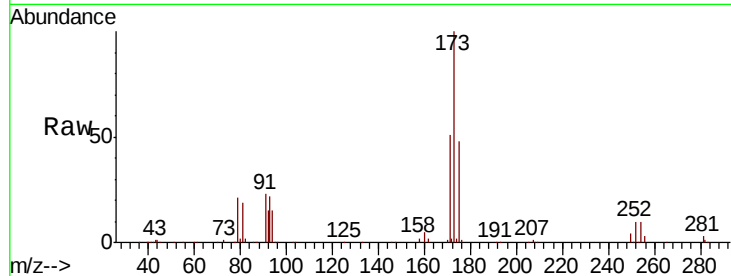
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.0	0.1	0.1#

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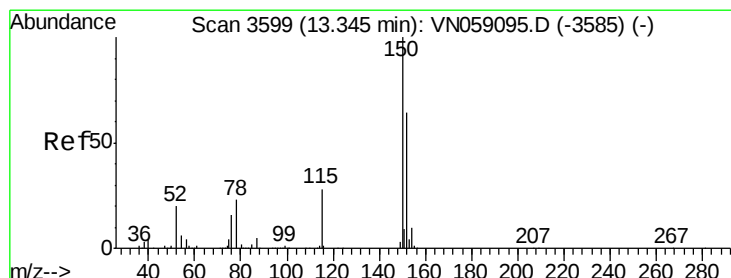
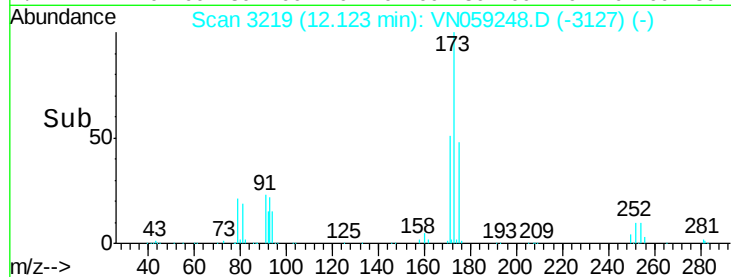
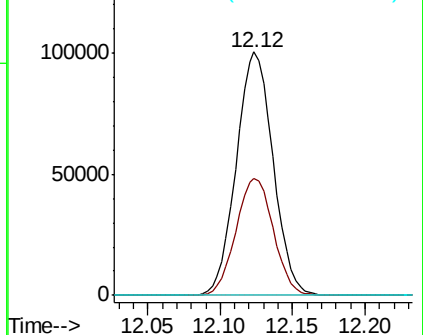
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Abundance Ion 172.70 (172.40 to 173.40): V

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

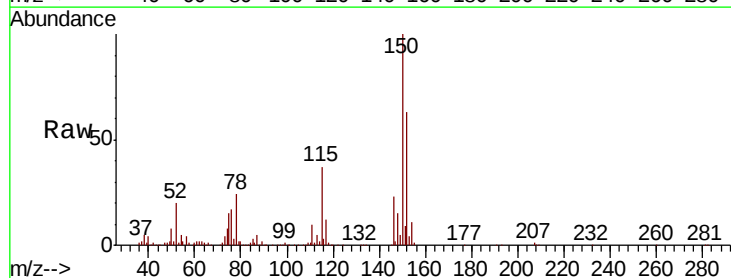
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

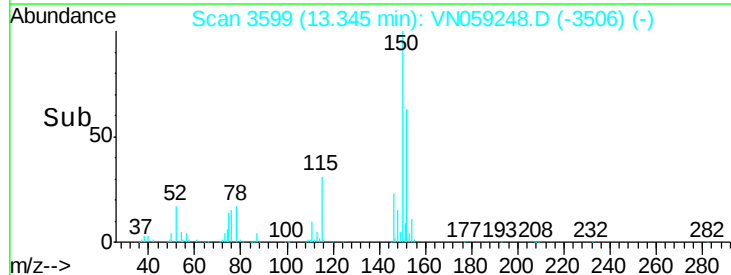
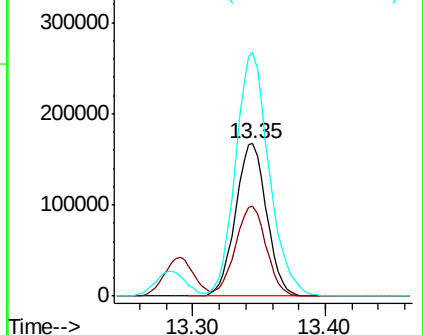
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.4	88.2
150	172.1	0.0	345.8

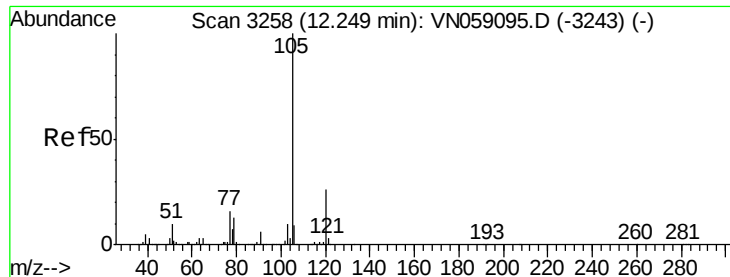


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.757 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1026588

Ion Ratio Lower Upper

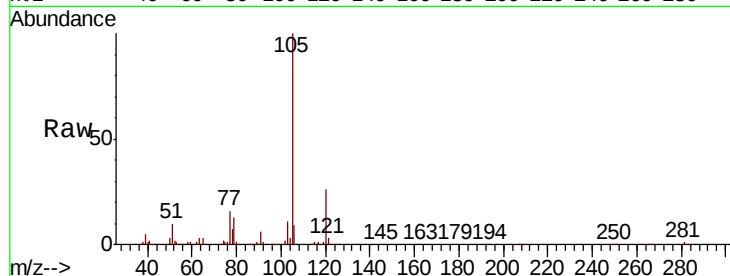
105 100

120 26.2 13.1 39.3

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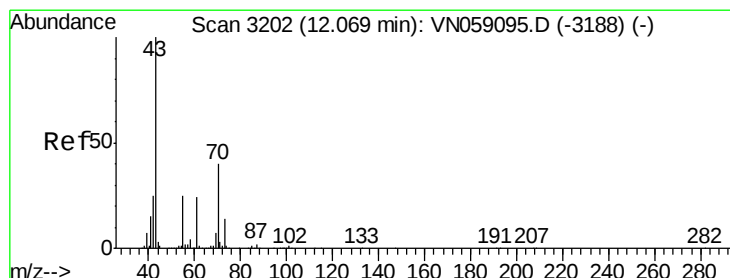
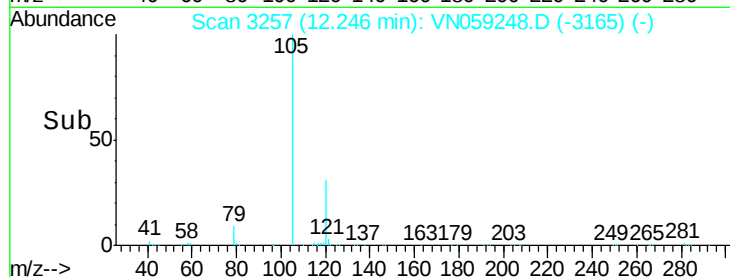
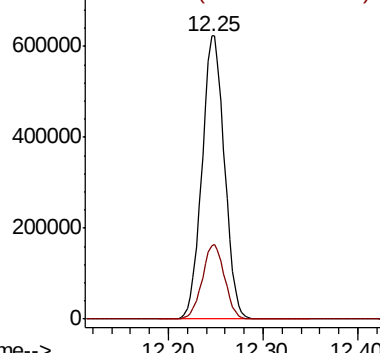
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.420 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion: 43 Resp: 440579

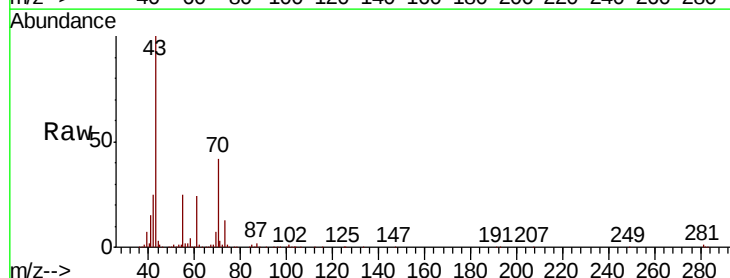
Ion Ratio Lower Upper

43 100

70 41.9 32.2 48.4

55 25.5 20.4 30.6

61 24.2 19.3 28.9

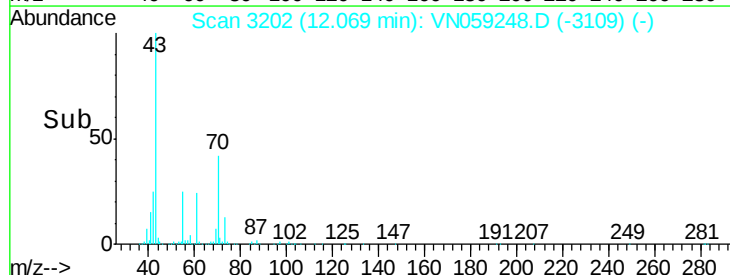
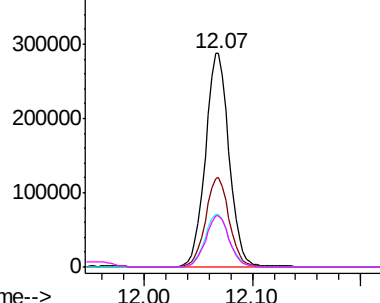


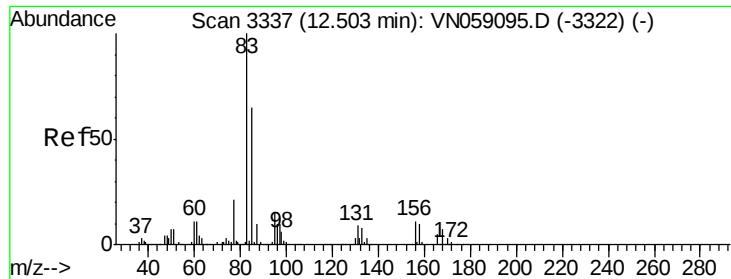
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.981 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

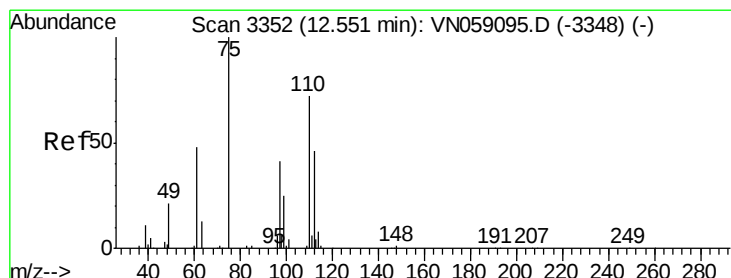
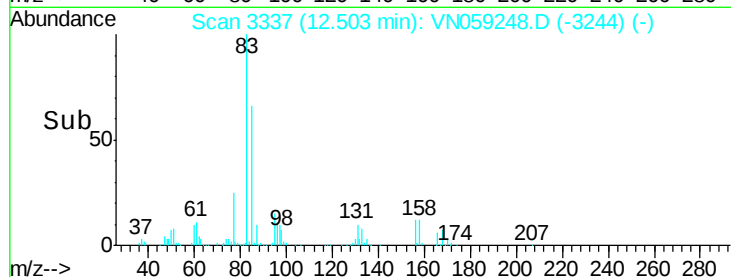
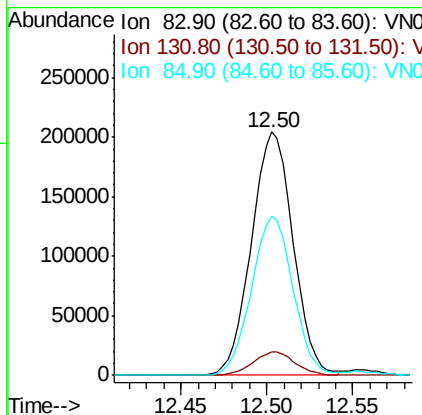
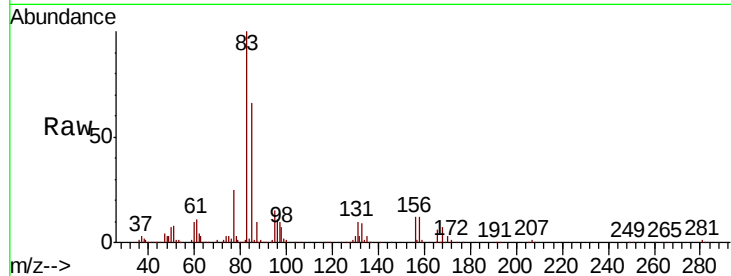
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	344360
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	65.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 50.950 ug/l m

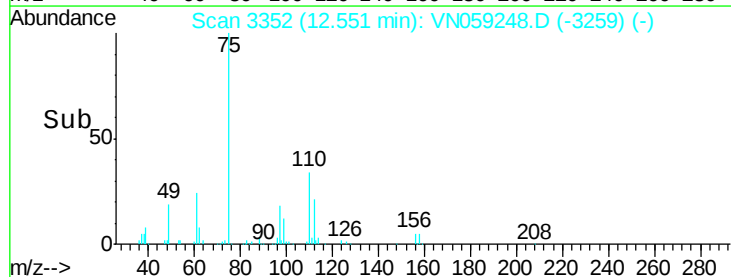
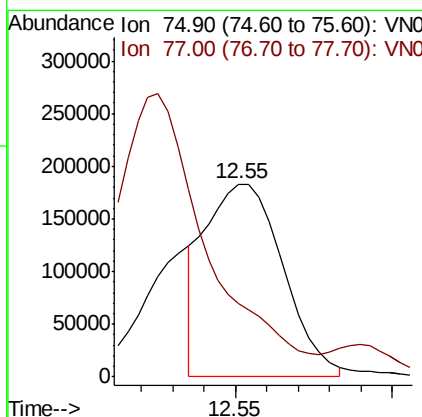
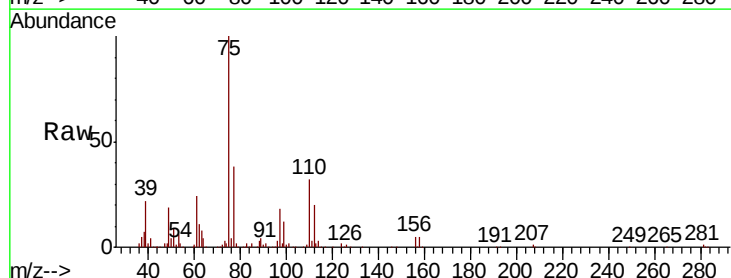
RT: 12.55 min Scan# 3352

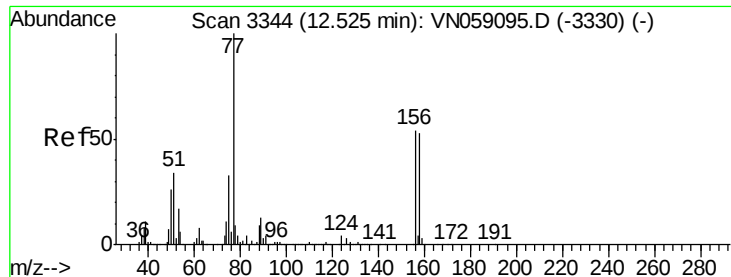
Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion:	75	Resp:	316298
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.638 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

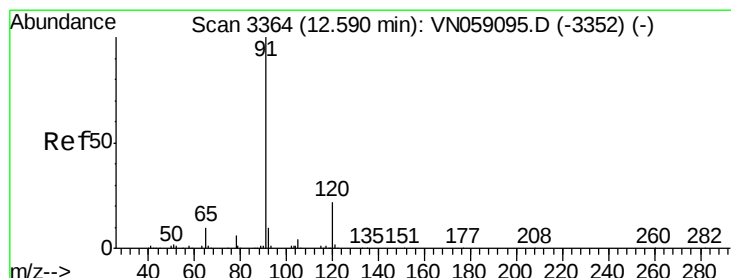
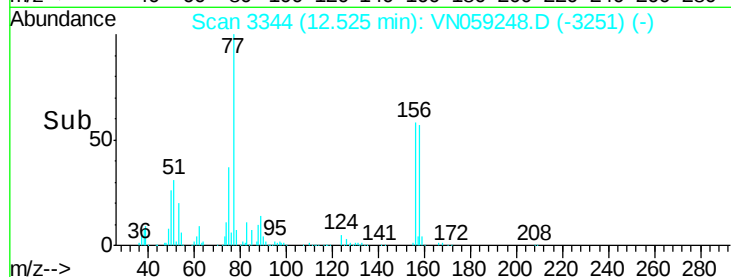
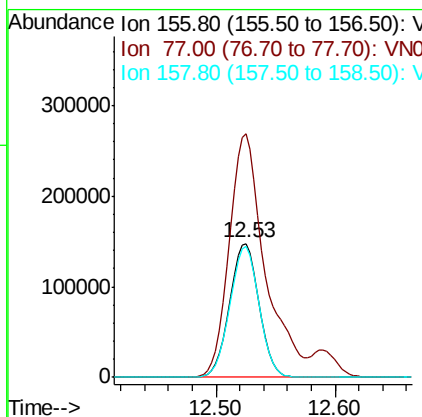
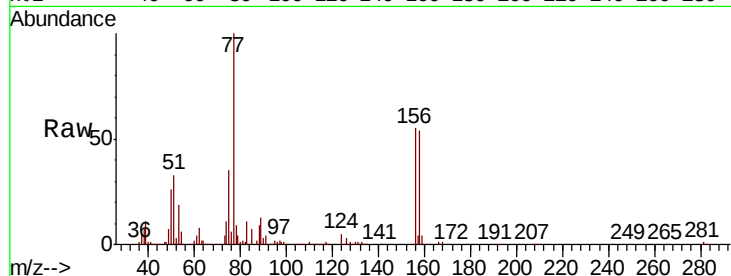
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	252346
Ion Ratio	Lower	Upper	
156	100		
77	222.3	112.8	338.3
158	97.4	48.4	145.3

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#78

n-propylbenzene

Concen: 52.968 ug/l

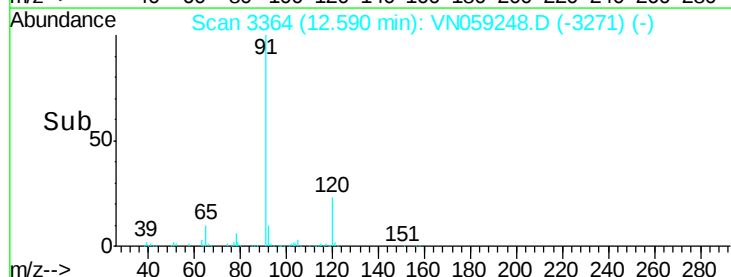
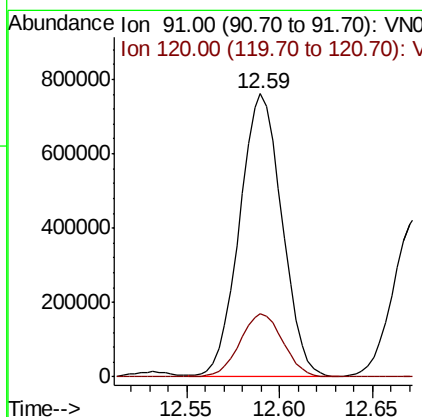
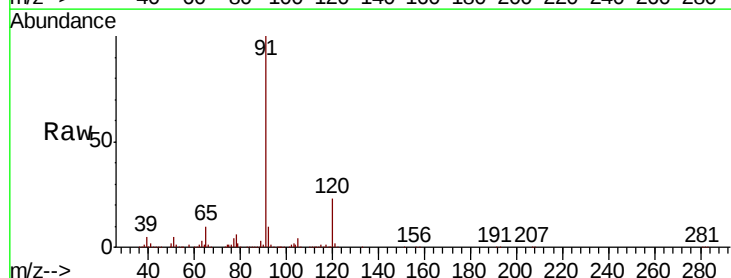
RT: 12.59 min Scan# 3364

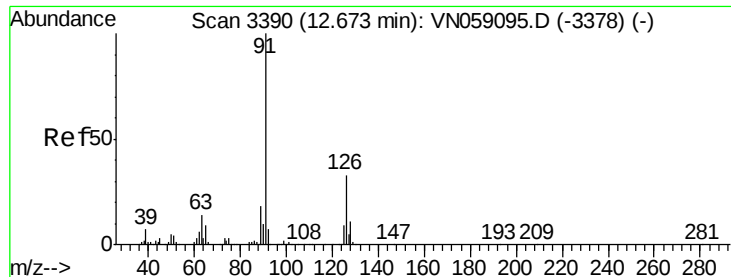
Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion:	91	Resp:	1202959
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 50.659 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 713730

Ion Ratio Lower Upper

91 100

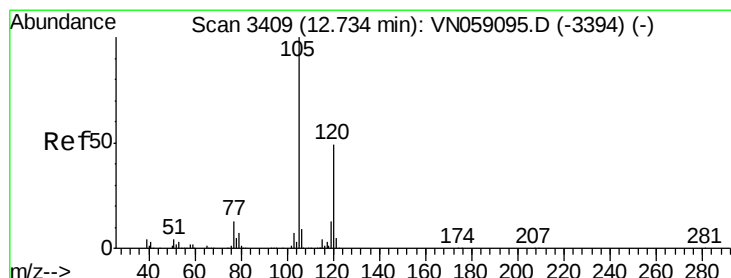
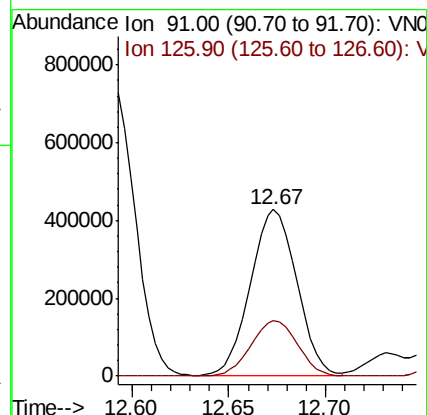
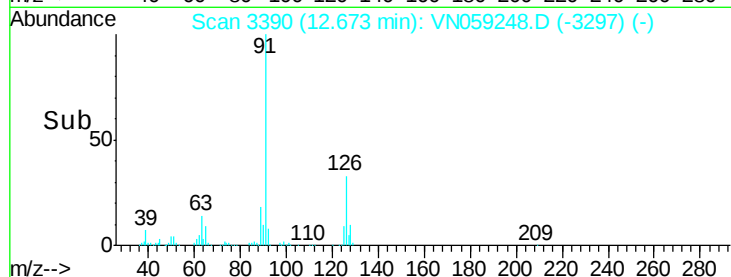
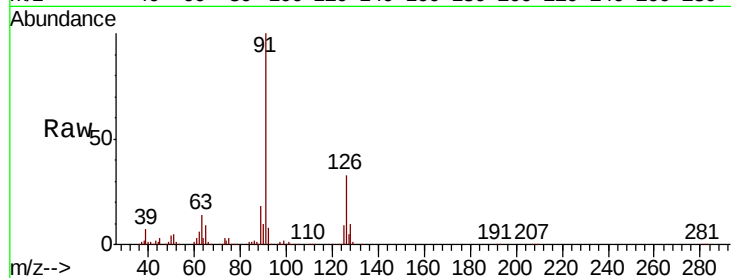
126 33.5 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 52.452 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059248.D

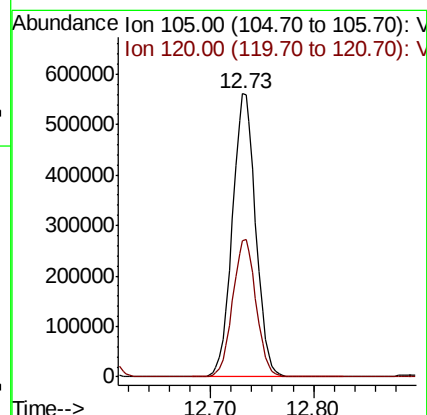
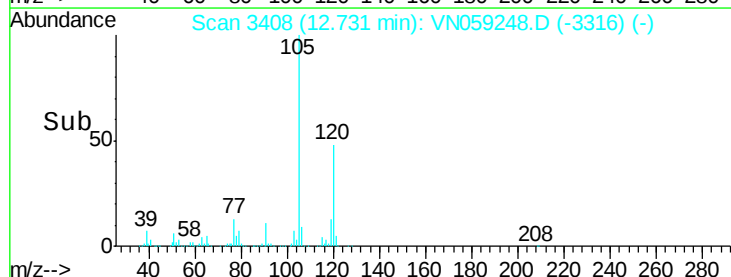
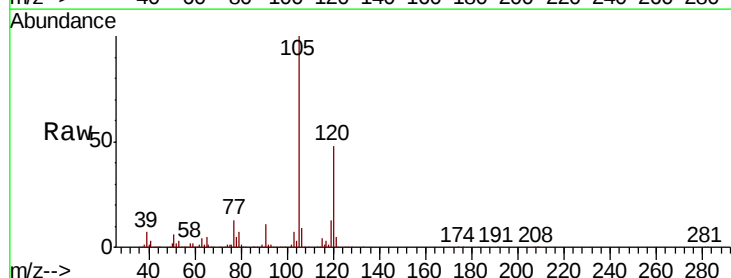
Acq: 15 Nov 2019 8:35

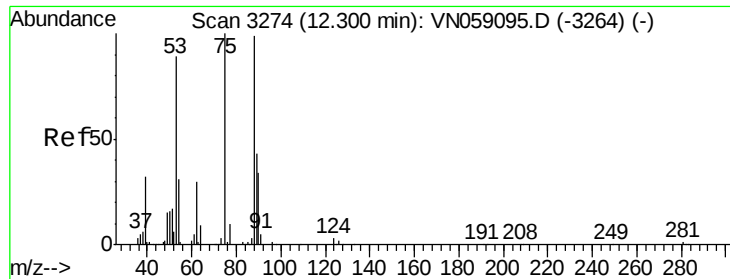
Tgt Ion: 105 Resp: 881570

Ion Ratio Lower Upper

105 100

120 48.8 24.0 72.0





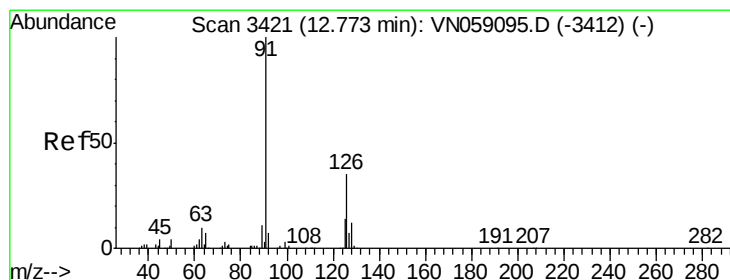
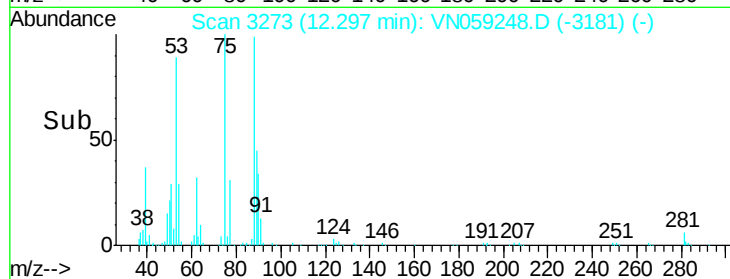
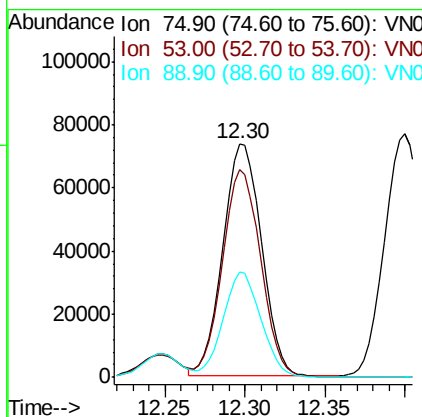
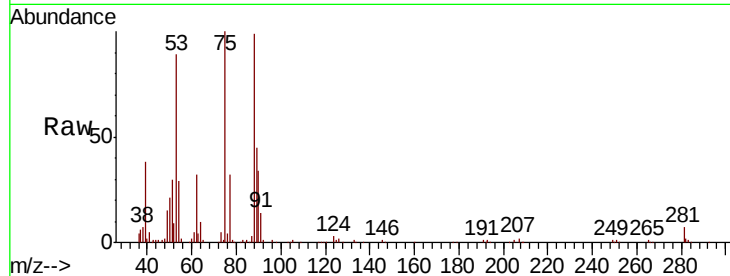
#81
trans-1,4-Dichloro-2-butene
Concen: 51.702 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	72.2	108.2
89	44.6	35.8	53.8

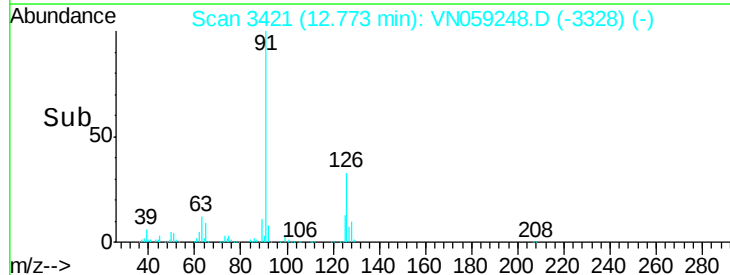
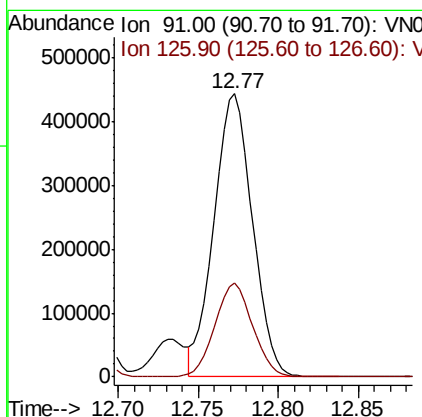
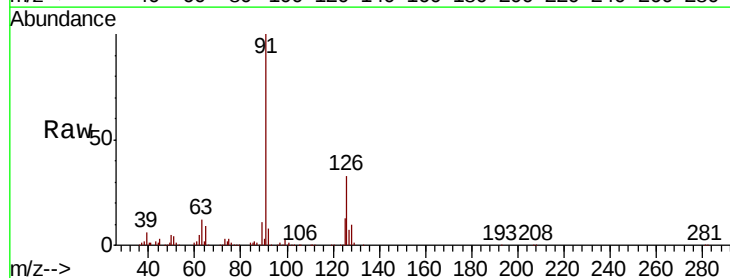
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#82
4-Chlorotoluene
Concen: 51.869 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.2





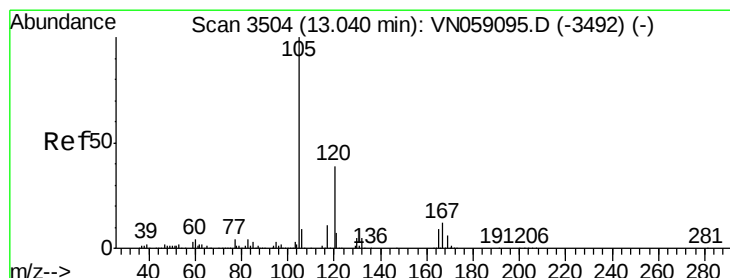
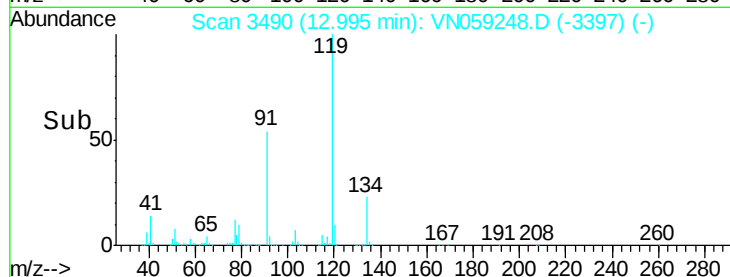
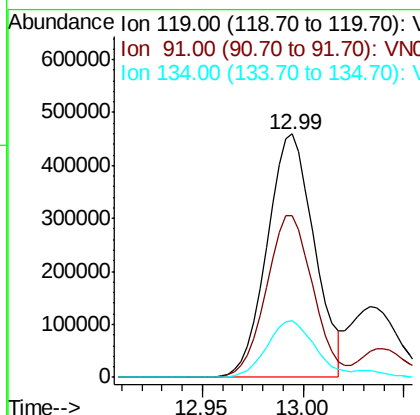
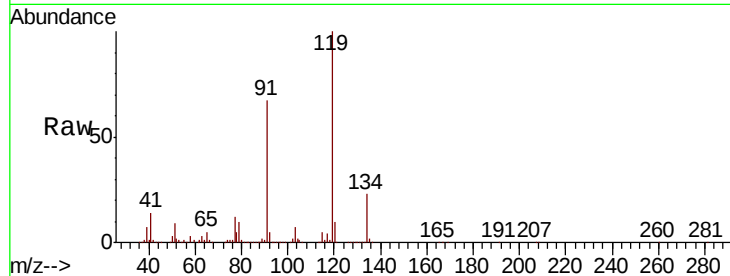
#83
 tert-Butylbenzene
 Concen: 51.304 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.2	99.6
134	23.7	12.7	38.1

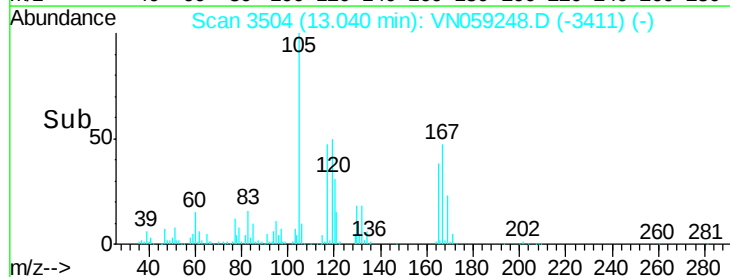
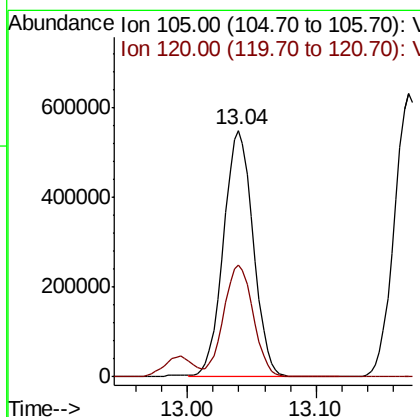
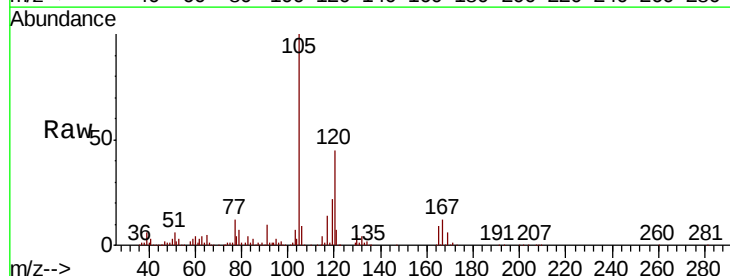
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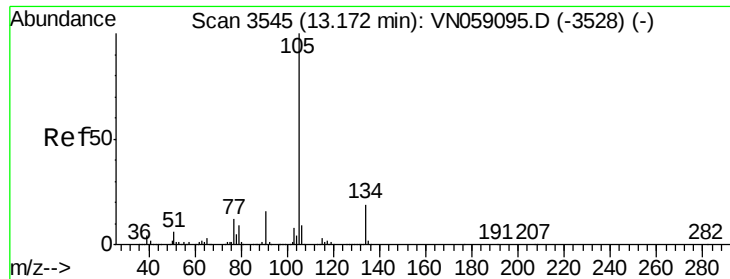
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.649 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.8	68.4





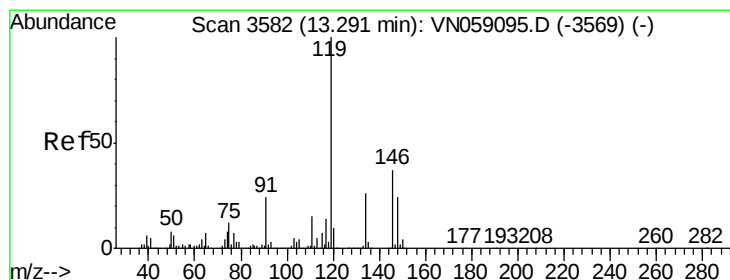
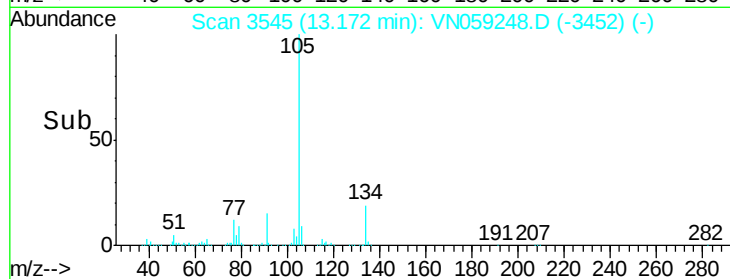
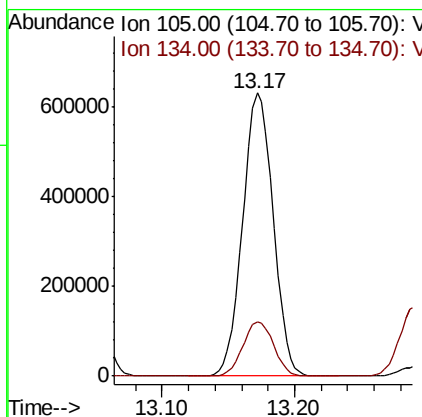
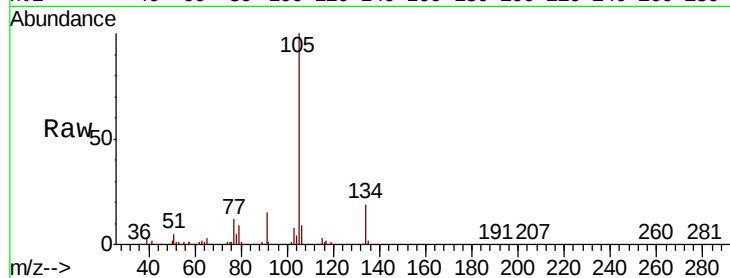
#85
 sec-Butylbenzene
 Concen: 53.297 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1006052
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

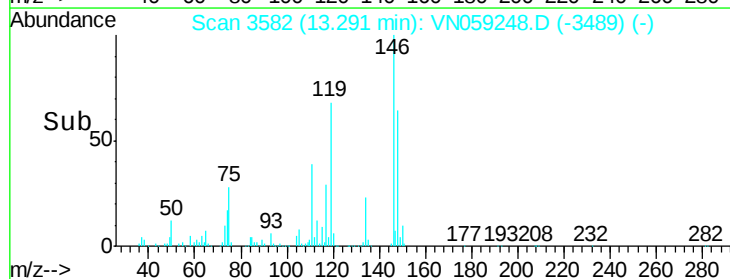
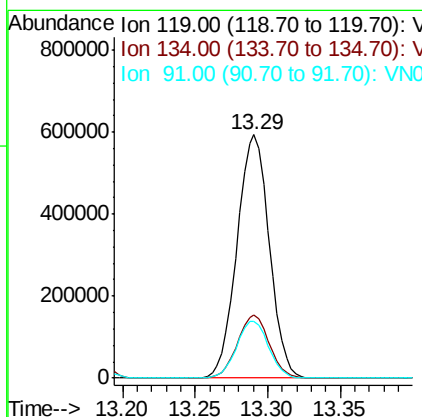
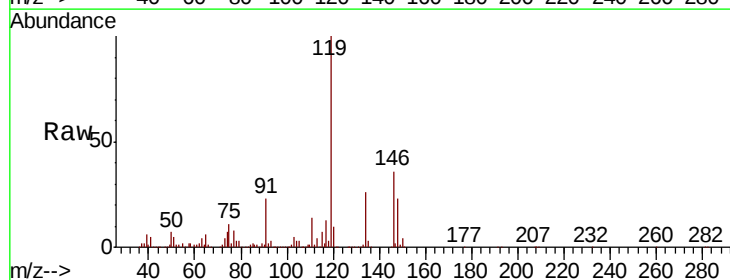
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#86
 p-Isopropyltoluene
 Concen: 54.847 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion:119 Resp: 914159
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 38.9
 91 23.3 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 52.648 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059248.D

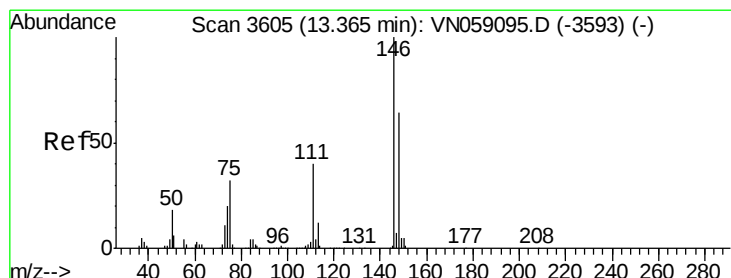
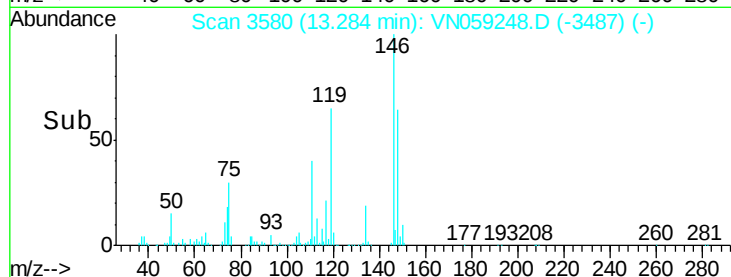
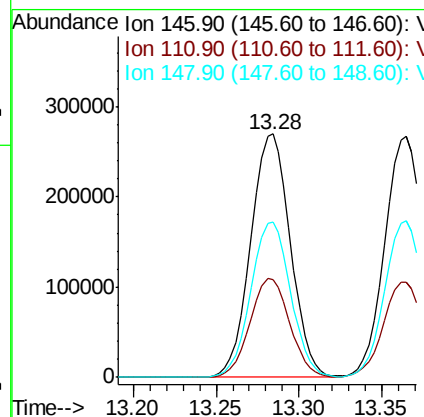
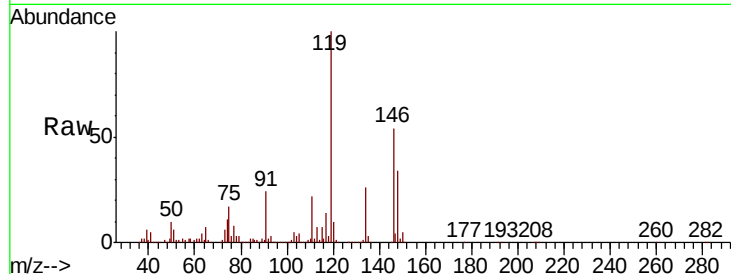
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	449278		
111	40.7	20.4	61.3	
148	63.9	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 51.581 ug/l

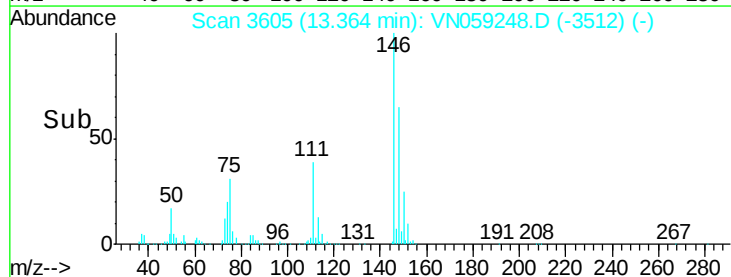
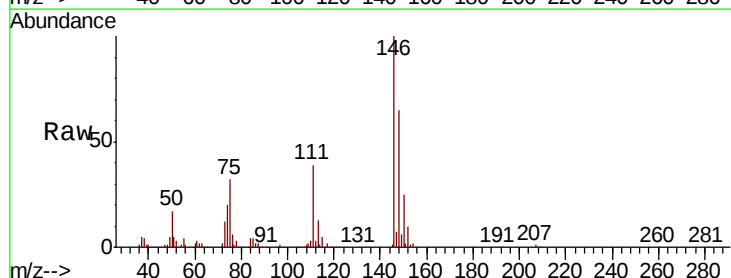
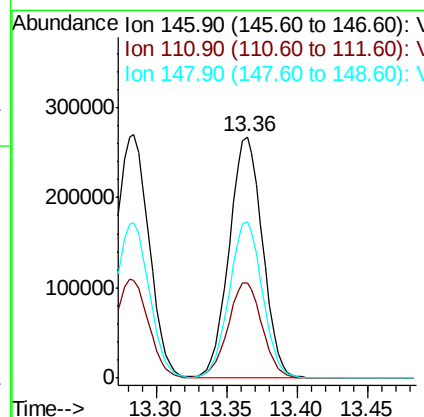
RT: 13.36 min Scan# 3605

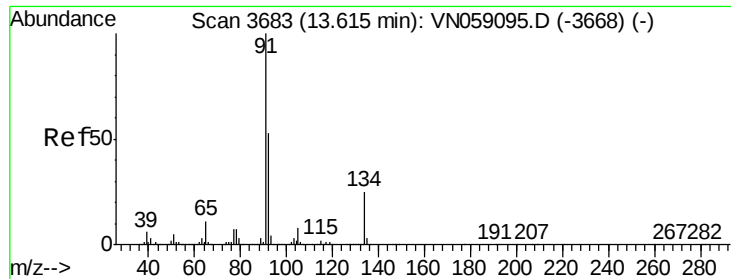
Delta R.T. -0.00 min

Lab File: VN059248.D

Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	440400		
111	40.2	20.3	60.9	
148	64.7	31.9	95.7	





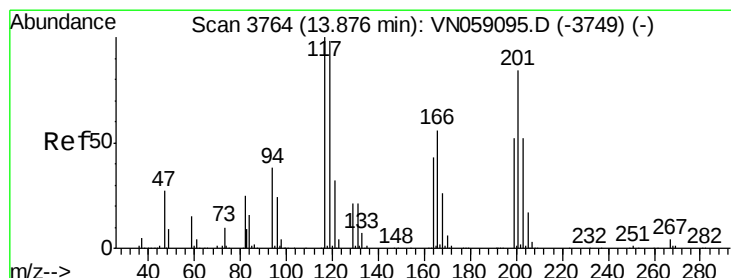
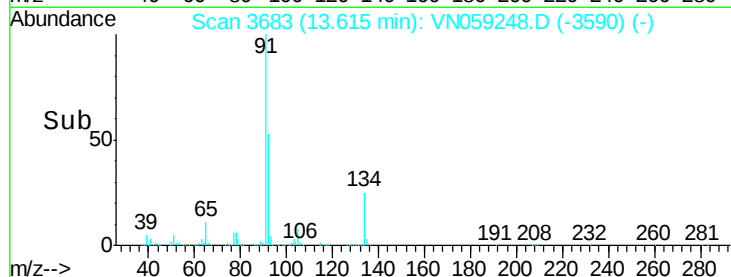
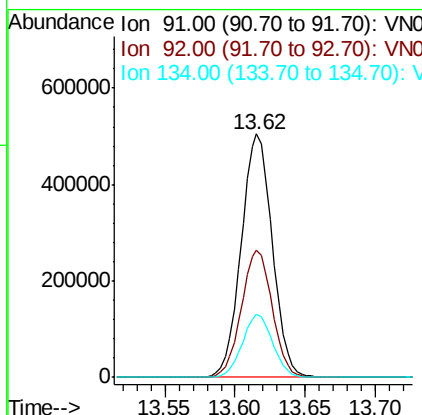
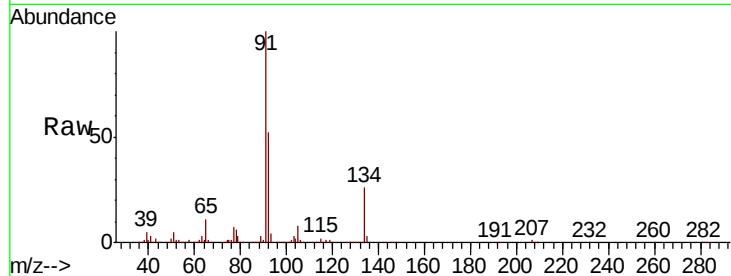
#89
n-Butylbenzene
Concen: 53.420 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	25.3	12.6	37.8

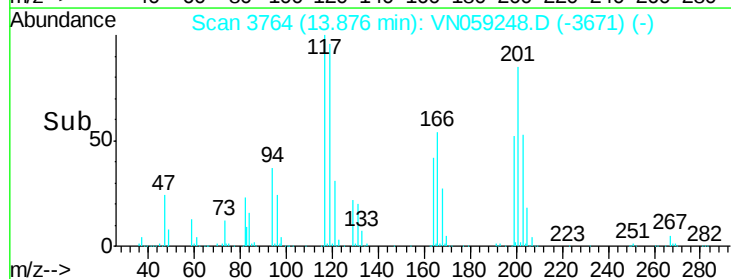
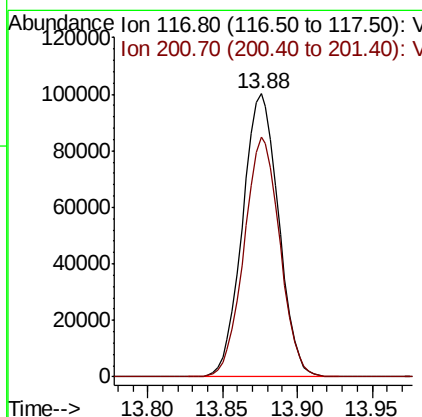
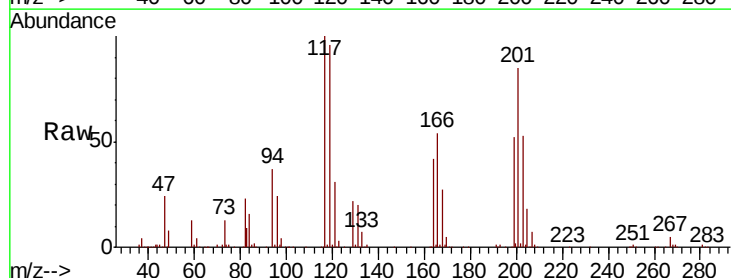
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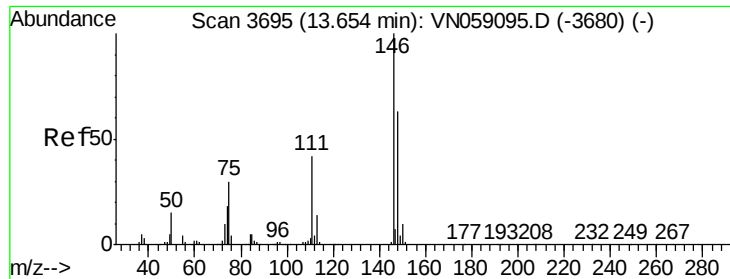
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#90
Hexachloroethane
Concen: 50.357 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	41.8	125.3





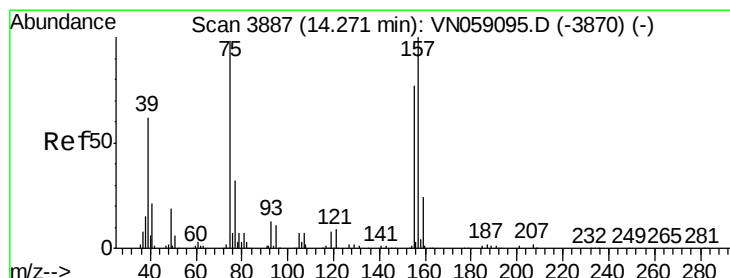
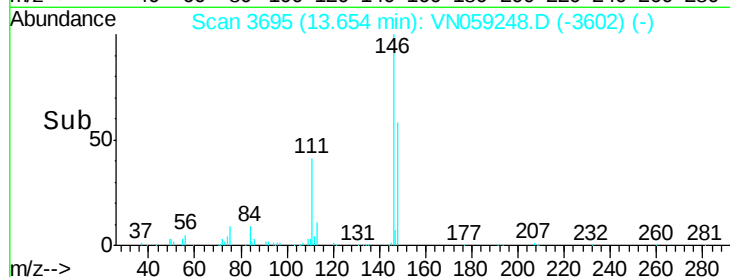
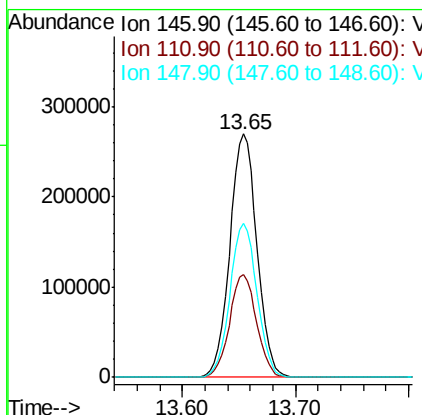
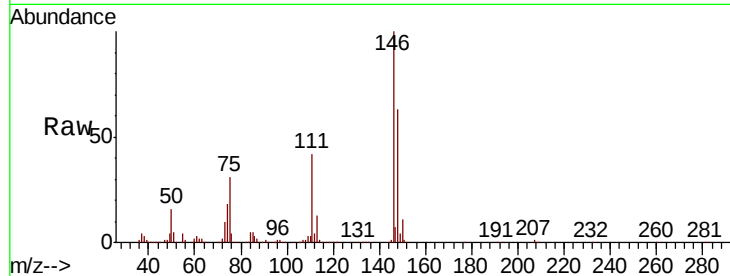
#91
 1,2-Dichlorobenzene
 Concen: 53.374 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.4	31.6	94.7

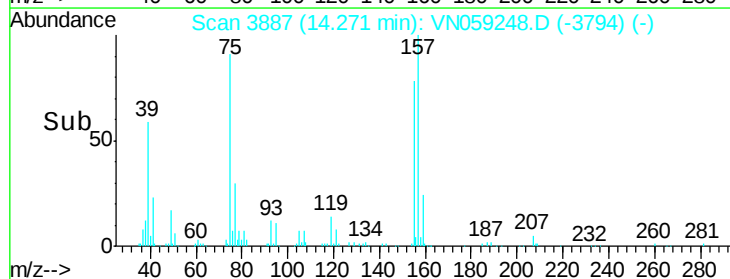
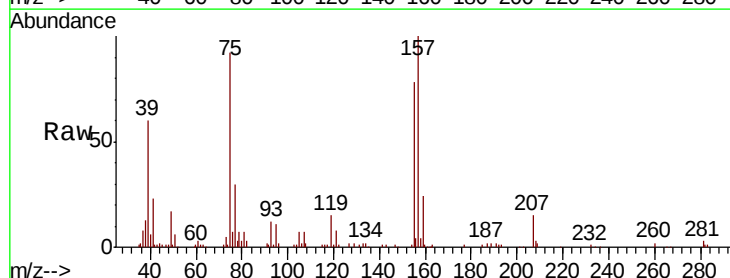
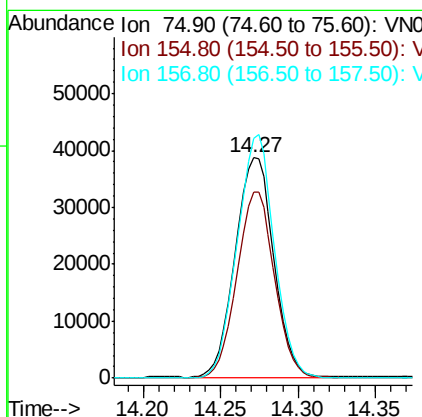
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.722 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	40.2	120.6
157	106.6	51.8	155.5





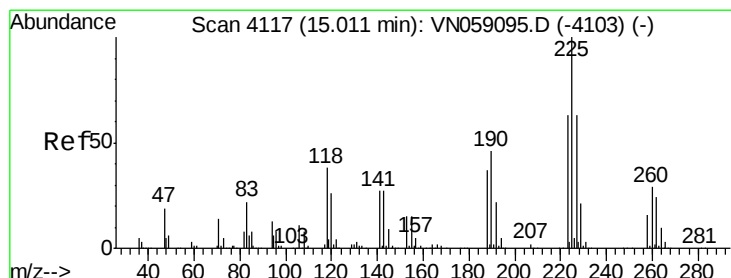
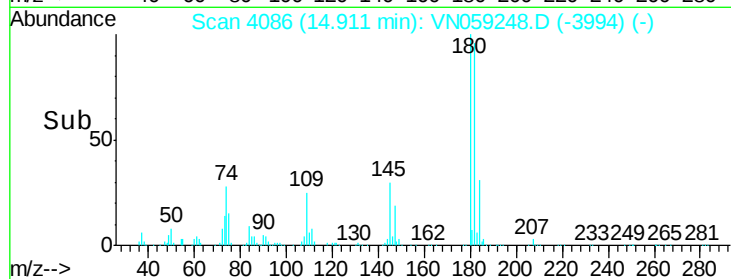
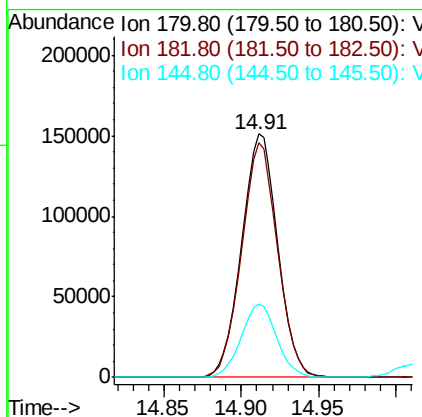
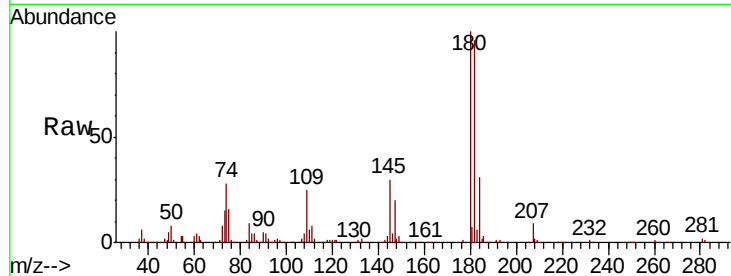
#93
 1,2,4-Trichlorobenzene
 Concen: 48.372 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245826		
182	95.5	48.1	144.3	
145	29.7	15.1	45.3	

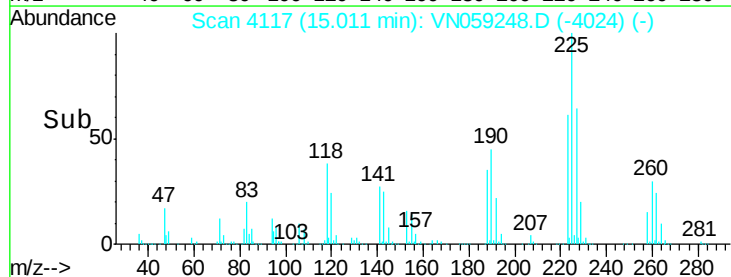
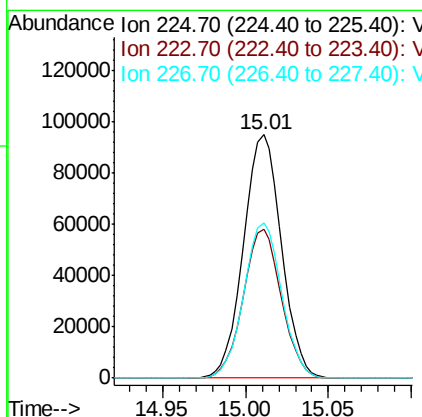
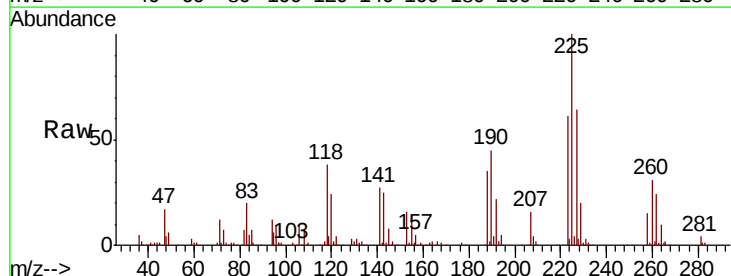
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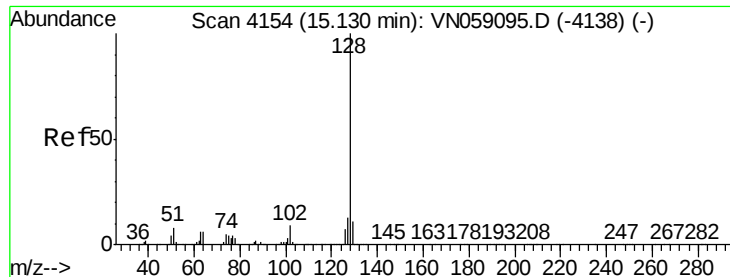
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#94
 Hexachlorobutadiene
 Concen: 52.180 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059248.D
 Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151034		
223	61.1	31.3	93.9	
227	63.5	31.5	94.5	





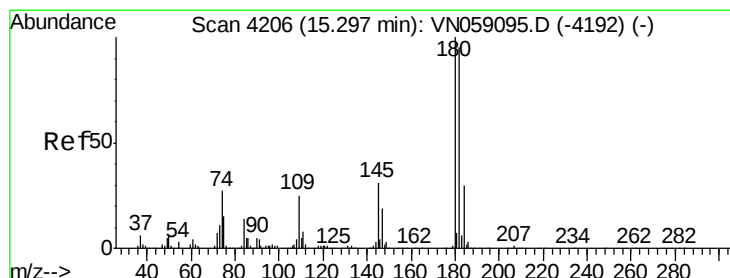
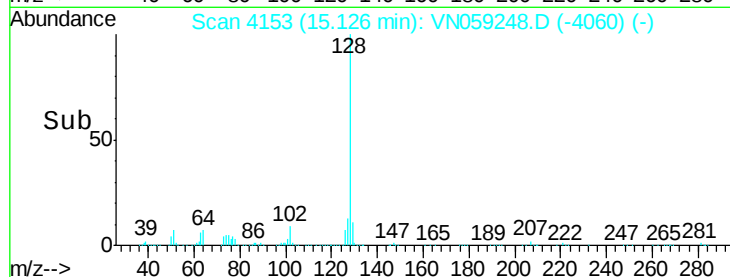
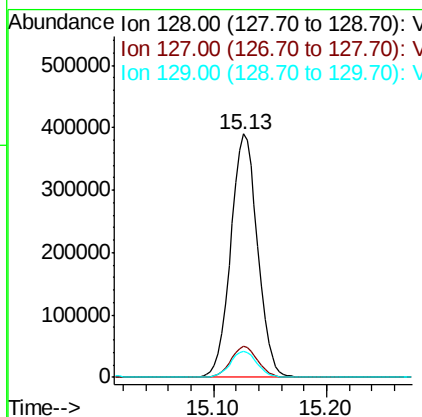
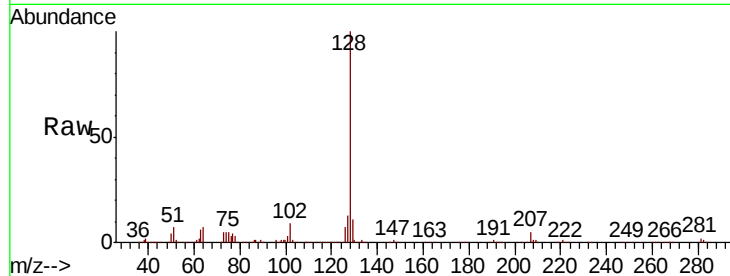
#95
Naphthalene
Concen: 45.733 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:10:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.184 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059248.D
Acq: 15 Nov 2019 8:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	32.2	15.8	47.3

