

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059273.D
 Acq On : 18 Nov 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 10:59:28 AM

Quant Time: Nov 18 14:31:53 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	356631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	548590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	199132	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
35) Dibromofluoromethane	7.57	113	162292	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.08	98	617482	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	231852	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	158145	44.012	ug/l	100
3) Chloromethane	2.04	50	208465	42.680	ug/l	99
4) Vinyl Chloride	2.17	62	209000	44.135	ug/l	100
5) Bromomethane	2.54	94	127748	46.878	ug/l	100
6) Chloroethane	2.68	64	129147	46.103	ug/l	100
7) Trichlorofluoromethane	3.00	101	273072	48.210	ug/l	100
8) Diethyl Ether	3.38	74	119487	51.917	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174527	51.104	ug/l	99
10) Methyl Iodide	3.93	142	215126	50.890	ug/l	99
11) Tert butyl alcohol	4.74	59	209806	251.121	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	163780	49.230	ug/l	99
13) Acrolein	3.58	56	93276	216.540	ug/l	99
14) Allyl chloride	4.29	41	334014	48.877	ug/l	96
15) Acrylonitrile	4.95	53	552769	265.854	ug/l	100
16) Acetone	3.79	43	634448	278.301	ug/l	98
17) Carbon Disulfide	4.02	76	423279	40.987	ug/l	98
18) Methyl Acetate	4.29	43	291370	53.846	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	614353	53.638	ug/l	100
20) Methylene Chloride	4.52	84	201930	50.843	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	175443	49.130	ug/l	96
22) Diisopropyl ether	5.92	45	681951	52.832	ug/l	98
23) Vinyl Acetate	5.86	43	2751659	275.061	ug/l	100
24) 1,1-Dichloroethane	5.82	63	365131	50.647	ug/l	98
25) 2-Butanone	6.81	43	804608	267.798	ug/l	99
26) 2,2-Dichloropropane	6.80	77	312550	49.580	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	215130	51.927	ug/l	98
28) Bromochloromethane	7.17	49	103454	47.697	ug/l	98
29) Tetrahydrofuran	7.18	42	486066	254.607	ug/l	98
30) Chloroform	7.35	83	360306	52.099	ug/l	99
31) Cyclohexane	7.63	56	306185	44.862	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	295577	50.835	ug/l	99
36) 1,1-Dichloropropene	7.77	75	260124	50.729	ug/l	99
37) Ethyl Acetate	6.90	43	298535	52.334	ug/l	99
38) Carbon Tetrachloride	7.75	117	262609	51.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	302889	50.896	ug/l	99
40) Benzene	8.02	78	805315	52.153	ug/l	100
41) Methacrylonitrile	7.16	41	146793m	59.178	ug/l	
42) 1,2-Dichloroethane	8.10	62	271644	51.293	ug/l	100
43) Isopropyl Acetate	8.14	43	473138	52.026	ug/l	99
44) Trichloroethene	8.82	130	200100	52.717	ug/l	97
45) 1,2-Dichloropropane	9.10	63	224779	53.594	ug/l	99
46) Dibromomethane	9.19	93	134697	51.537	ug/l	97
47) Bromodichloromethane	9.39	83	286960	54.985	ug/l	100
48) Methyl methacrylate	9.18	41	216202	53.149	ug/l	98
49) 1,4-Dioxane	9.18	88	82202	1137.087	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1478168	287.258	ug/l	99
52) Toluene	10.14	92	493262	53.296	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	326391	54.132	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	354331	54.632	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	199312	53.212	ug/l	98
56) Ethyl methacrylate	10.42	69	312665	50.046	ug/l	97
57) 1,3-Dichloropropane	10.70	76	351131	54.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	505162	242.338	ug/l	99
59) 2-Hexanone	10.74	43	1126928	285.325	ug/l	98
60) Dibromochloromethane	10.90	129	223715	56.491	ug/l	99
61) 1,2-Dibromoethane	11.00	107	204112	53.831	ug/l	99
64) Tetrachloroethene	10.62	164	174107	51.646	ug/l	99
65) Chlorobenzene	11.43	112	532604	55.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	202495	55.855	ug/l	99
67) Ethyl Benzene	11.51	91	963598	56.196	ug/l	99
68) m/p-Xylenes	11.62	106	714854	111.295	ug/l	100
69) o-Xylene	11.95	106	345104	55.597	ug/l	98
70) Styrene	11.96	104	571424	58.533	ug/l	99
71) Bromoform	12.12	173	161936	57.425	ug/l #	100
73) Isopropylbenzene	12.25	105	932270	52.599	ug/l	99
74) N-amyl acetate	12.07	43	392803	52.302	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	315817	52.324	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	317200m	57.180	ug/l	
77) Bromobenzene	12.53	156	230244	51.705	ug/l	98
78) n-propylbenzene	12.59	91	1099497	54.179	ug/l	100
79) 2-Chlorotoluene	12.67	91	652394	51.821	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	804178	53.546	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110347	52.540	ug/l	97
82) 4-Chlorotoluene	12.77	91	669840	53.049	ug/l	100
83) tert-Butylbenzene	12.99	119	692834	53.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	803079	55.269	ug/l	99
85) sec-Butylbenzene	13.17	105	920116	54.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	840558	56.438	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416306	54.595	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	405161	53.105	ug/l	99
89) n-Butylbenzene	13.62	91	716425	54.960	ug/l	100
90) Hexachloroethane	13.88	117	154968	51.817	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	407440	54.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59683	49.562	ug/l	97

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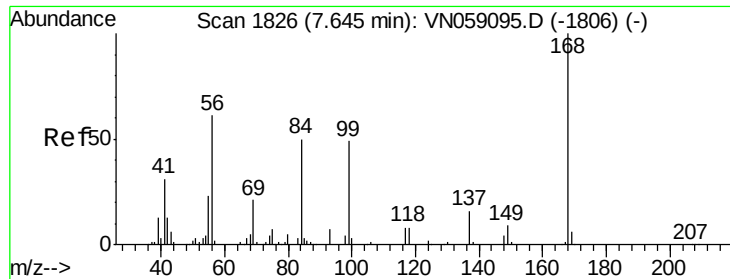
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234085	51.348	ug/l	99
94) Hexachlorobutadiene	15.01	225	143531	55.494	ug/l	99
95) Naphthalene	15.13	128	610820	48.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	232298	55.259	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 356631

Ion Ratio Lower Upper

168 100

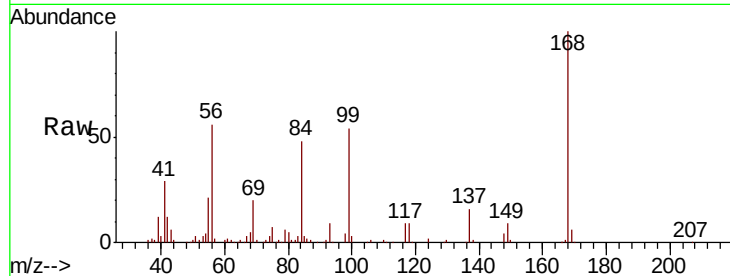
99 54.4 45.7 68.5

Manual Integrations

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11/19/2019 10:59:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

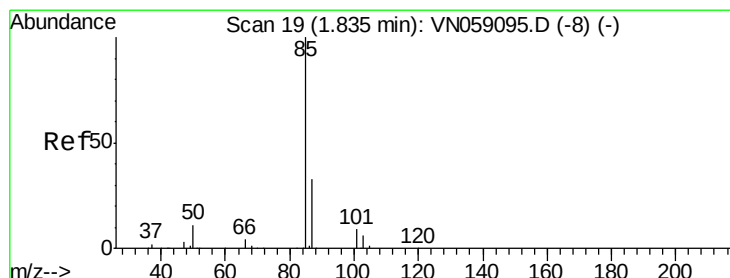
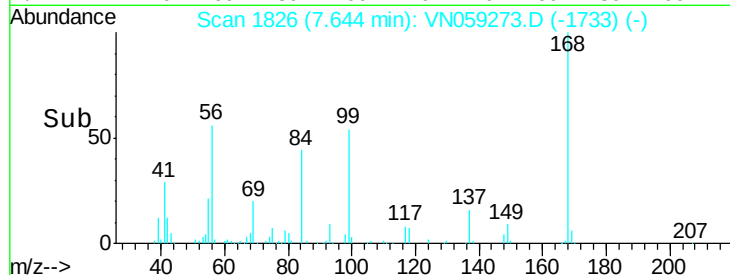
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.012 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059273.D

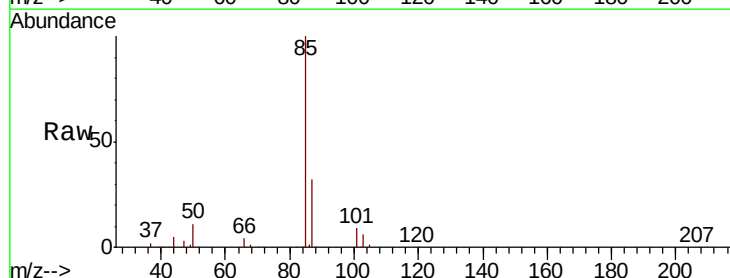
Acq: 18 Nov 2019 10:47

Tgt Ion: 85 Resp: 158145

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

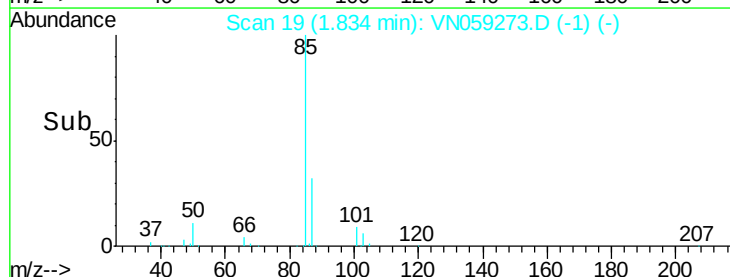
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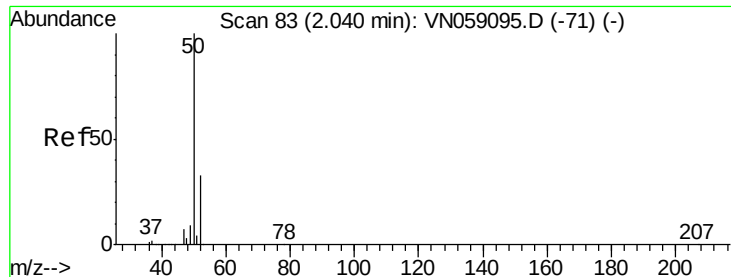
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.680 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 208465

Ion Ratio Lower Upper

50 100

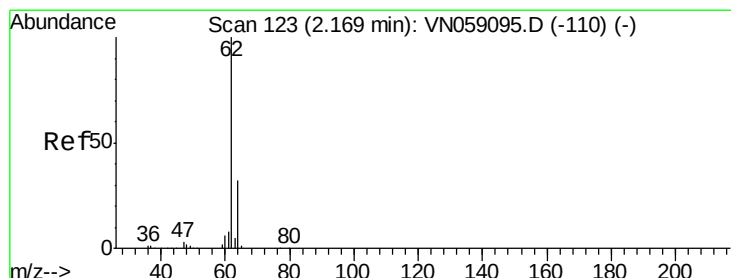
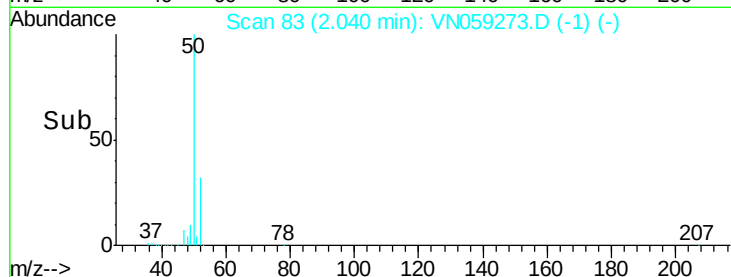
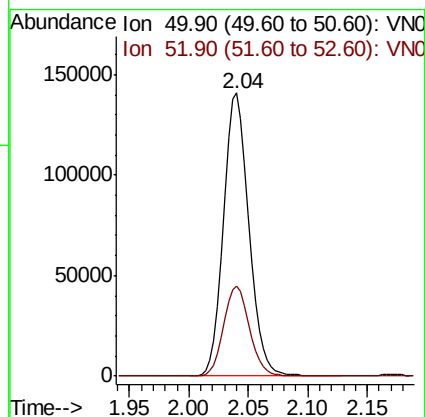
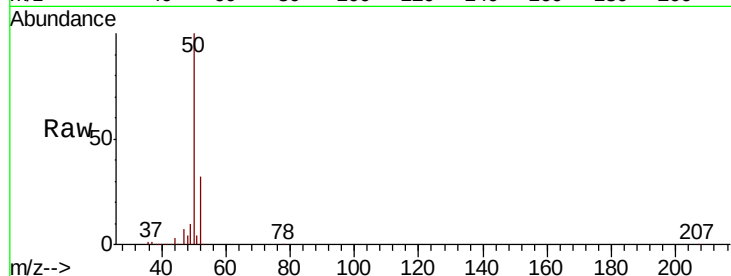
52 31.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.135 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059273.D

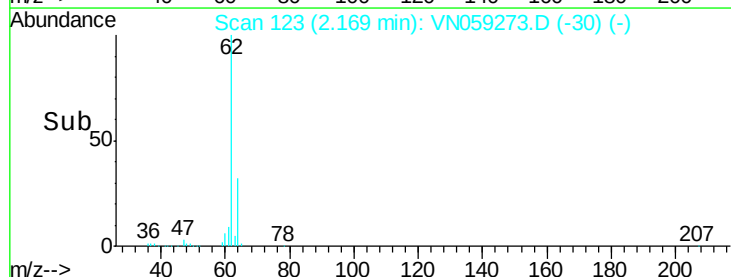
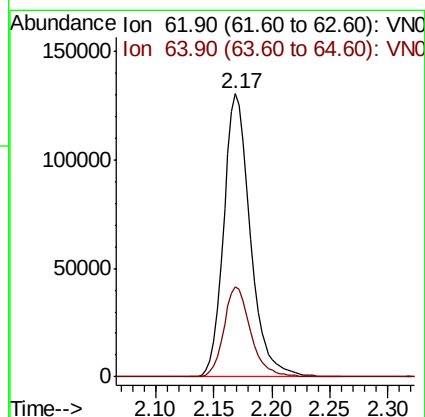
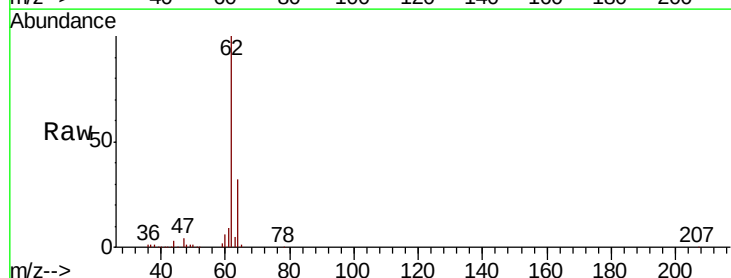
Acq: 18 Nov 2019 10:47

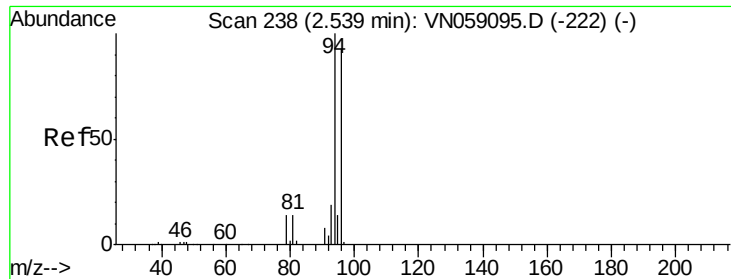
Tgt Ion: 62 Resp: 209000

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 46.878 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 127748

Ion Ratio Lower Upper

94 100

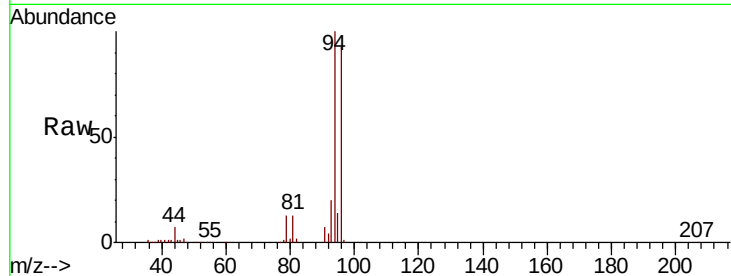
96 92.7 74.2 111.2

Manual Integrations

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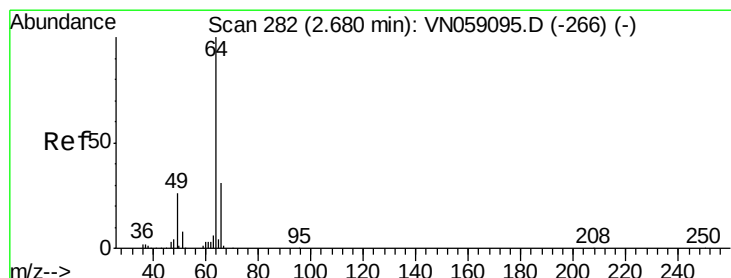
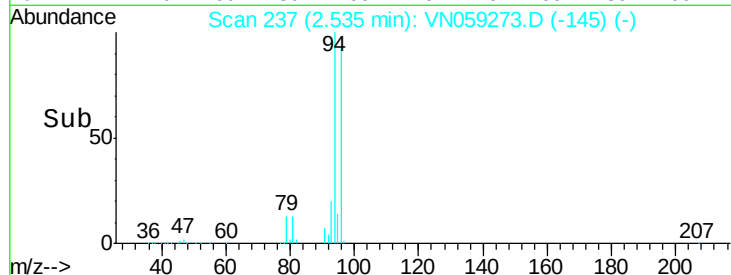
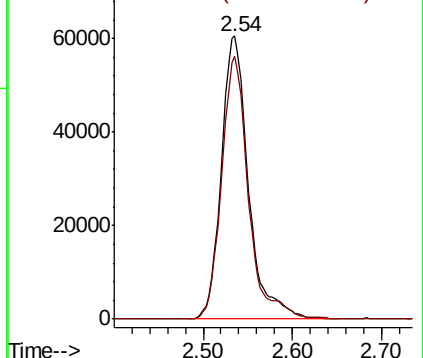
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.103 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059273.D

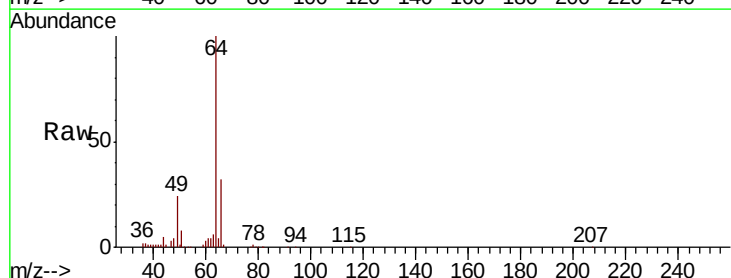
Acq: 18 Nov 2019 10:47

Tgt Ion: 64 Resp: 129147

Ion Ratio Lower Upper

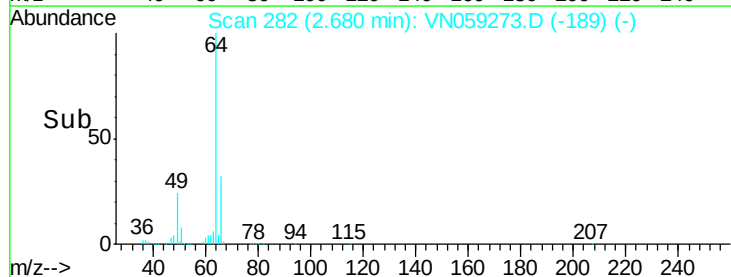
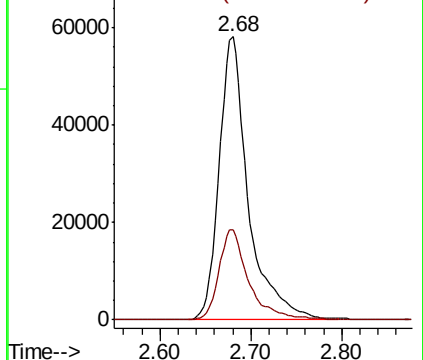
64 100

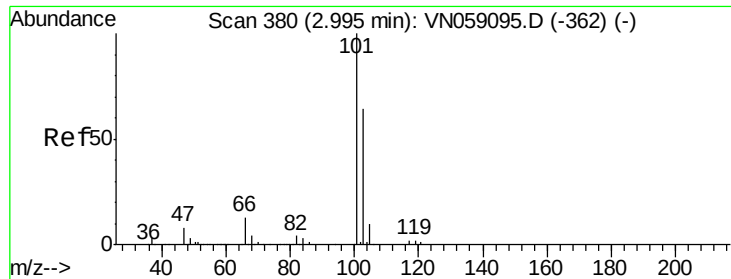
66 31.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

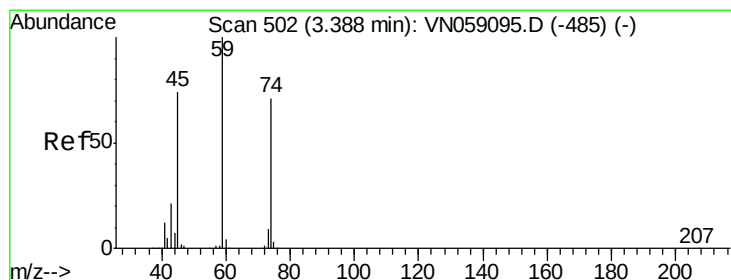
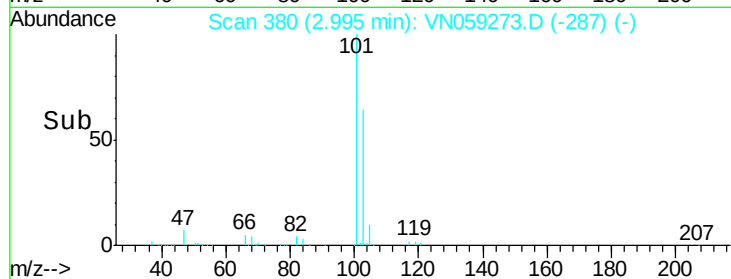
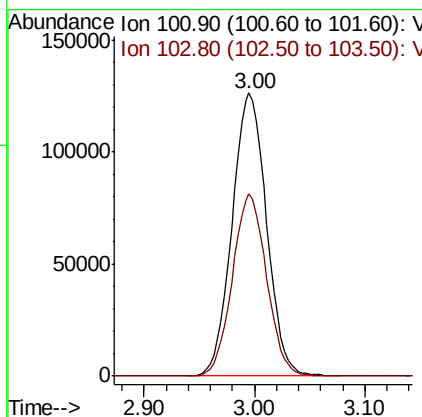
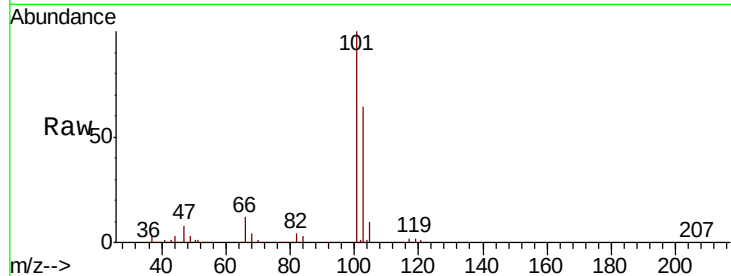
Trichlorofluoromethane
 Concen: 48.210 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

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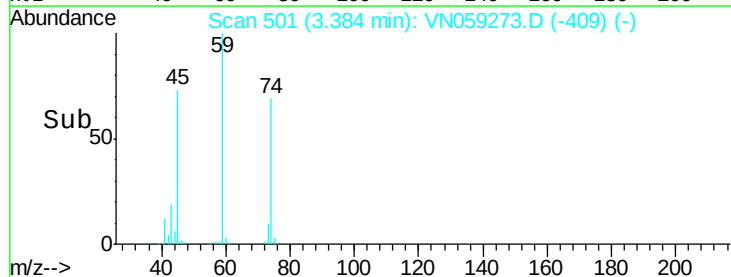
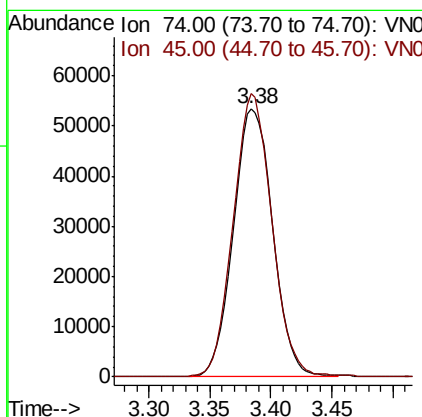
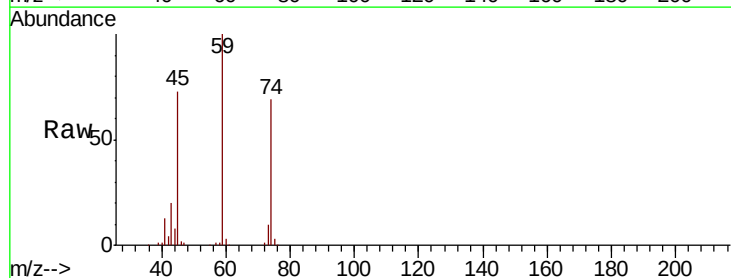
MMDADODA
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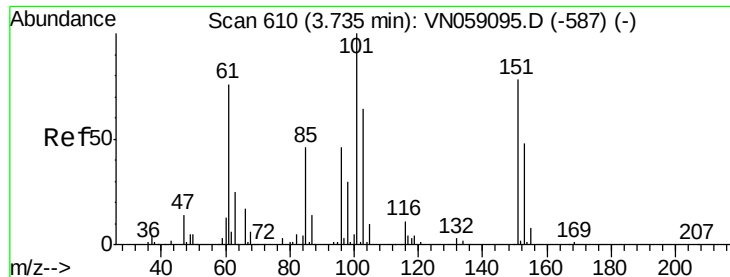


#8

Diethyl Ether
 Concen: 51.917 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.104 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

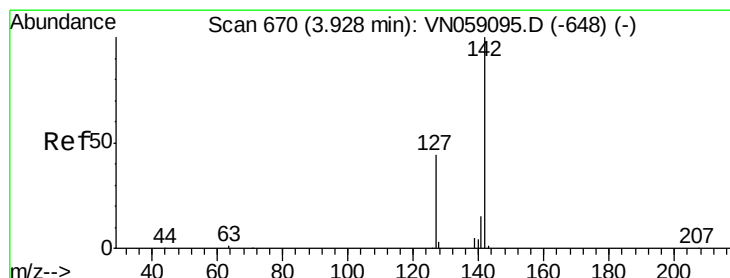
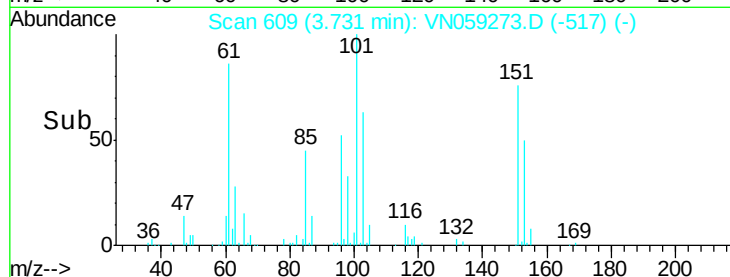
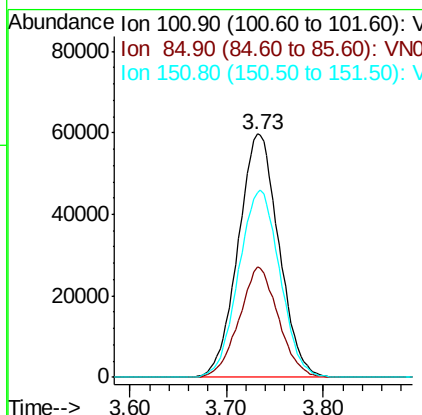
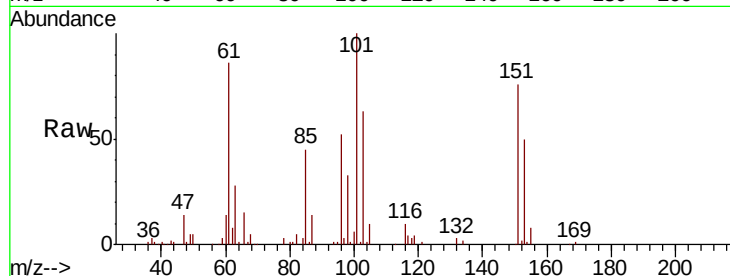
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	174527
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.5	53.3
151	78.3	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.890 ug/l

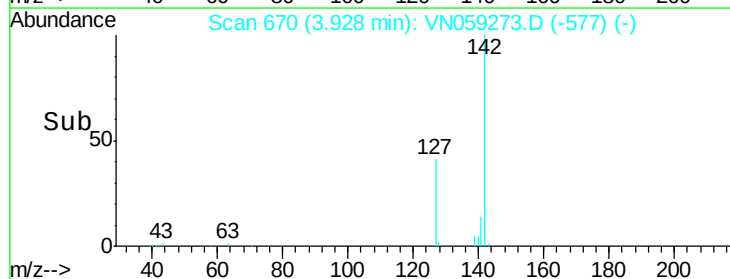
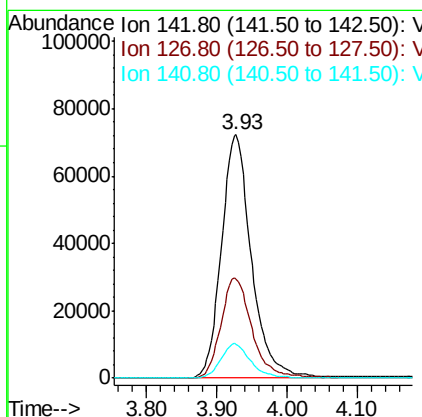
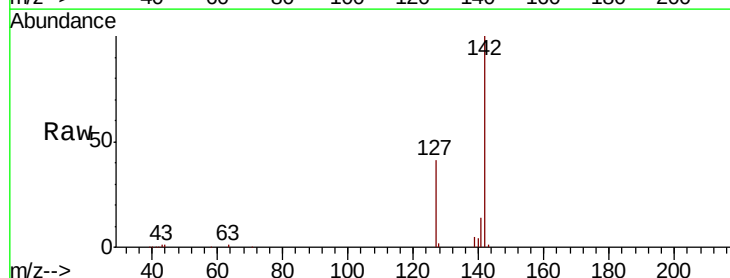
RT: 3.93 min Scan# 670

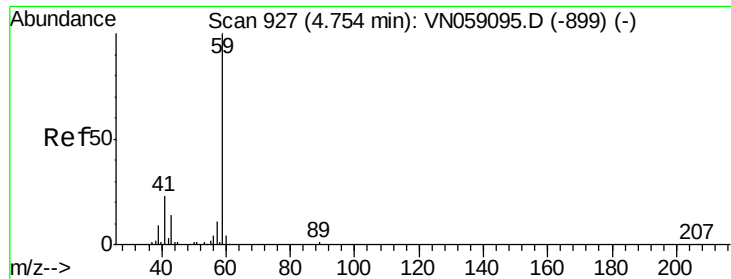
Delta R.T. -0.00 min

Lab File: VN059273.D

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Tgt Ion:	142	Resp:	215126
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.2	51.2
141	13.9	11.4	17.0





#11

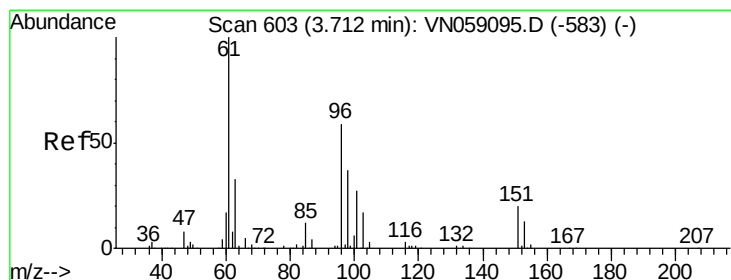
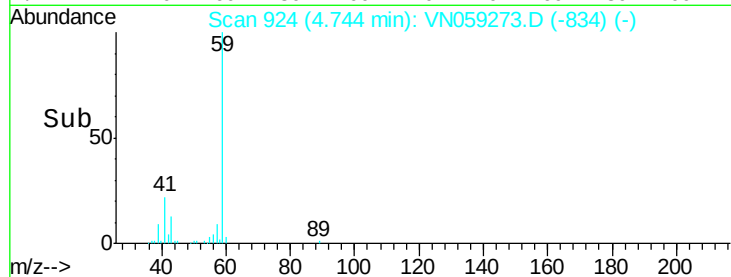
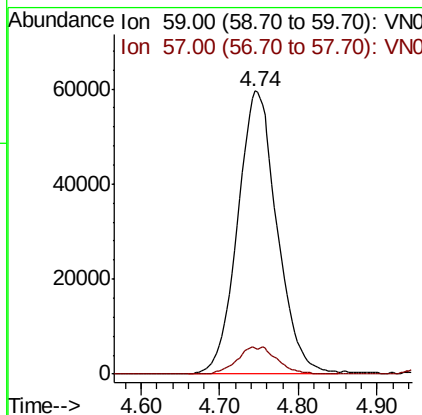
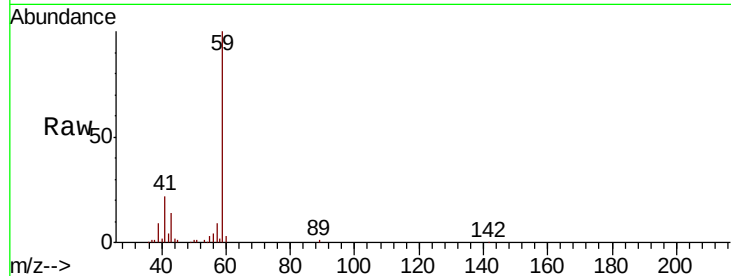
Tert butyl alcohol
 Concen: 251.121 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	209806		
57	5.0		8.3	12.5#

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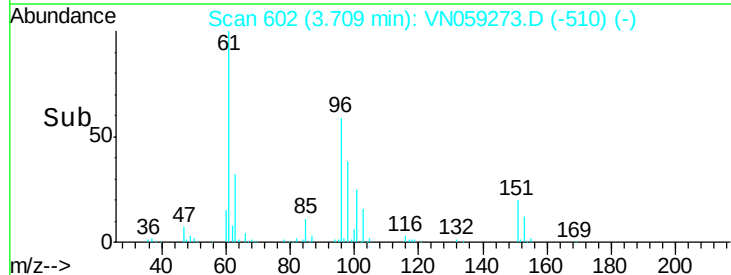
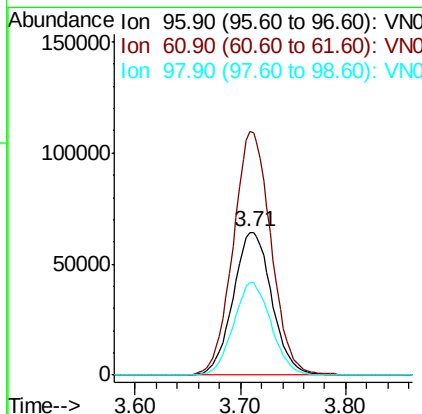
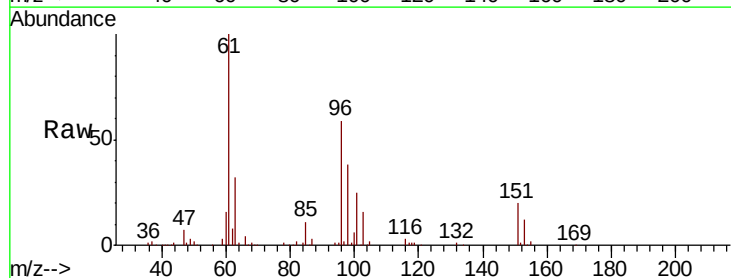
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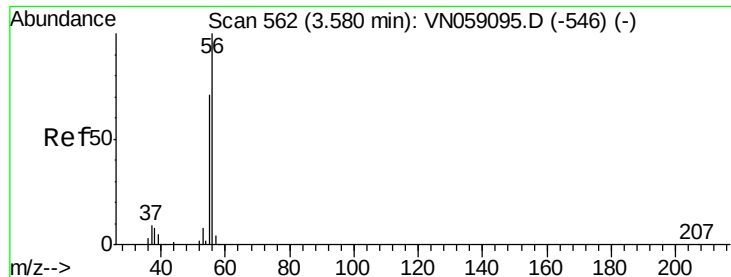


#12

1,1-Dichloroethene
 Concen: 49.230 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	163780		
61	170.0		136.5	204.7
98	65.1		50.2	75.4





#13

Acrolein

Concen: 216.540 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93276

Ion Ratio Lower Upper

56 100

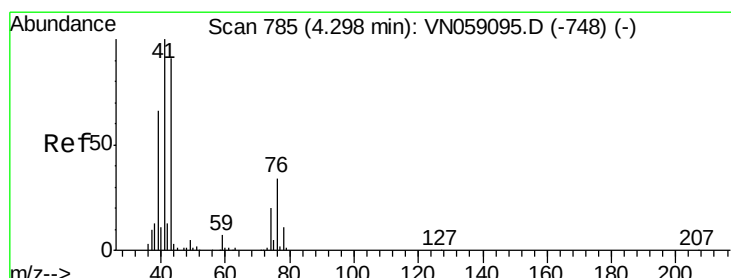
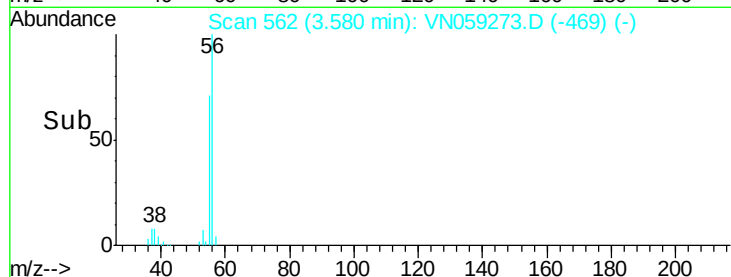
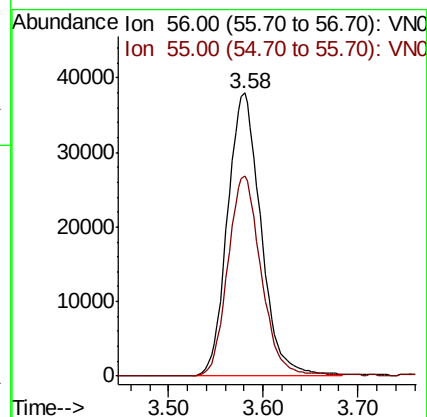
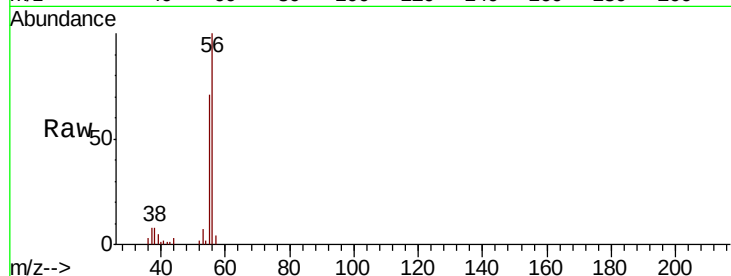
55 70.0 56.4 84.6

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#14

Allyl chloride

Concen: 48.877 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

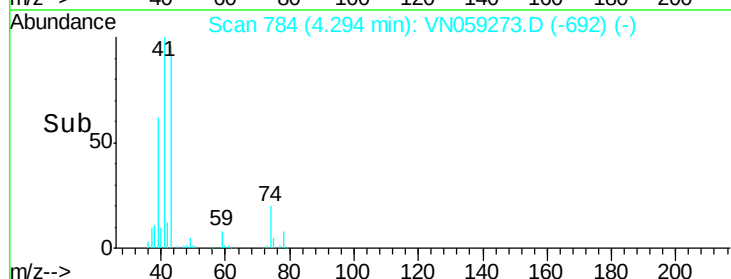
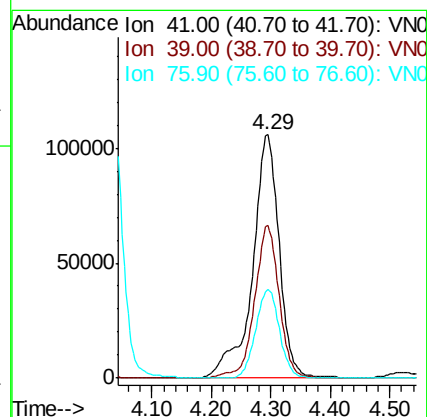
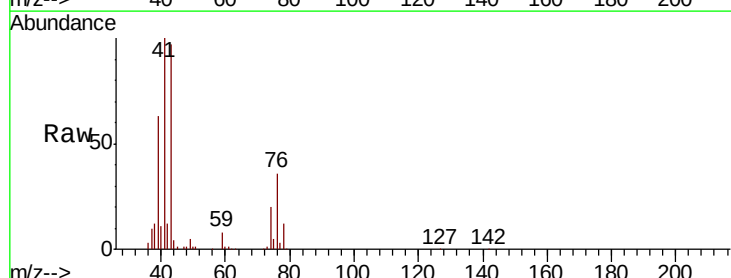
Tgt Ion: 41 Resp: 334014

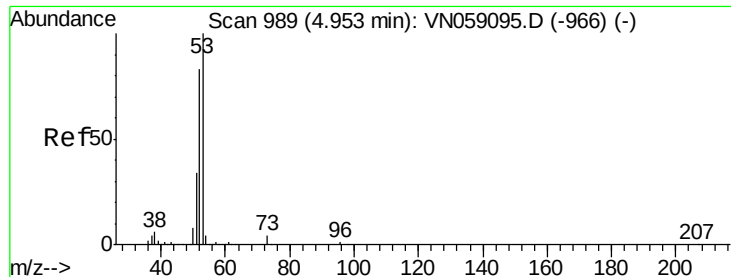
Ion Ratio Lower Upper

41 100

39 57.3 49.1 73.7

76 32.3 24.9 37.3





#15

Acrylonitrile

Concen: 265.854 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

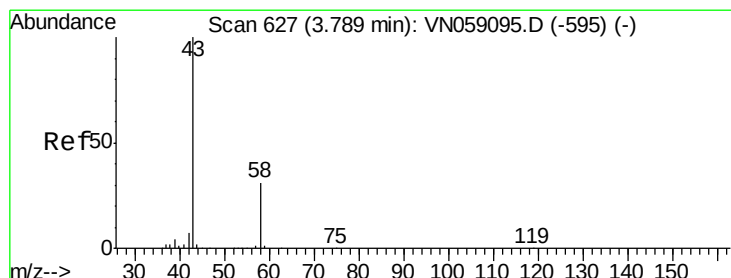
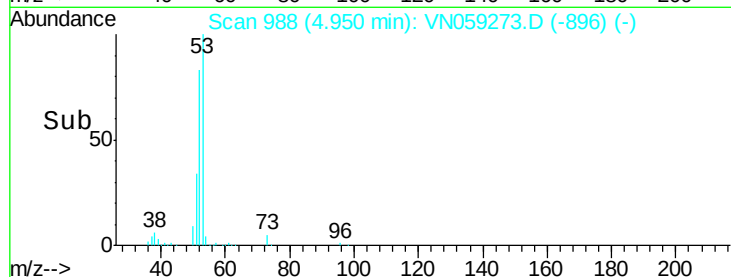
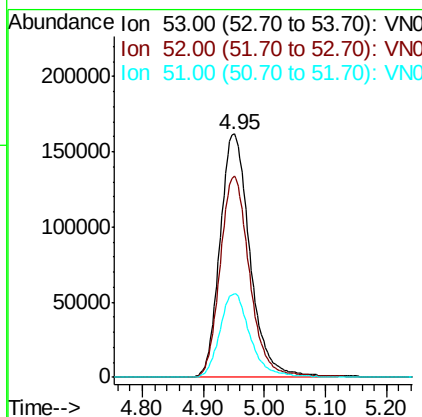
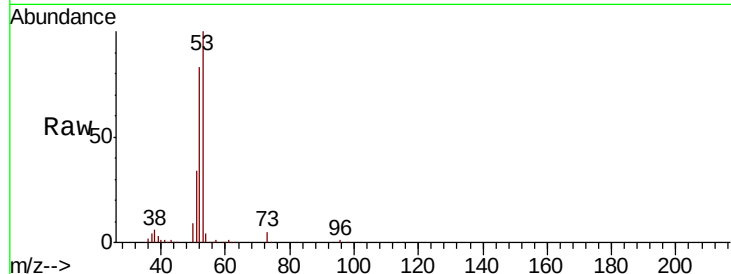
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	552769
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.0	97.6
51	35.0	28.0	42.0

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#16

Acetone

Concen: 278.301 ug/l

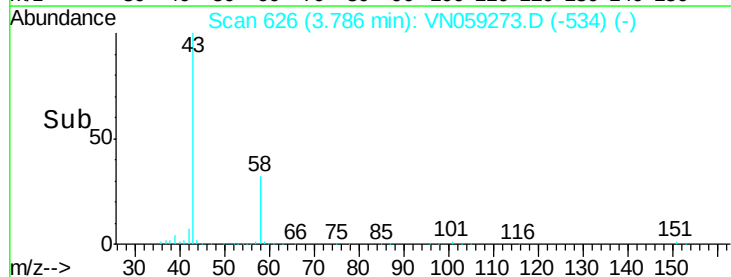
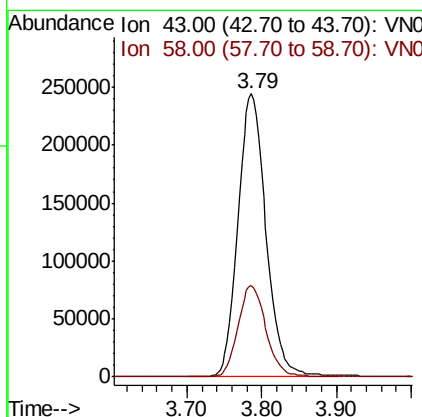
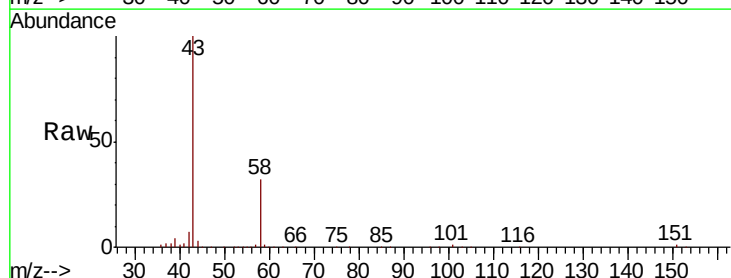
RT: 3.79 min Scan# 626

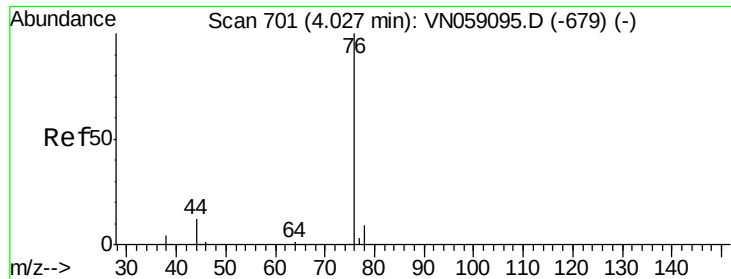
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	43	Resp:	634448
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.9	37.3





#17

Carbon Disulfide

Concen: 40.987 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 423279

Ion Ratio Lower Upper

76 100

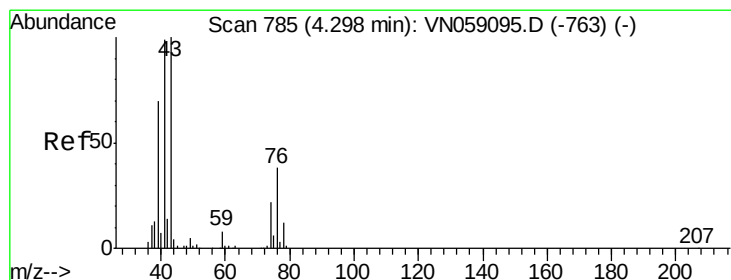
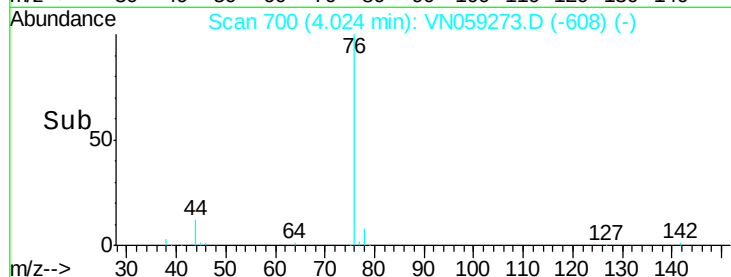
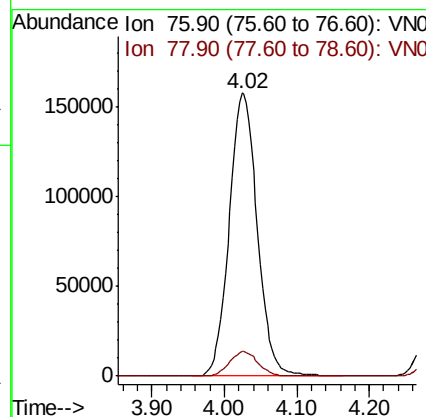
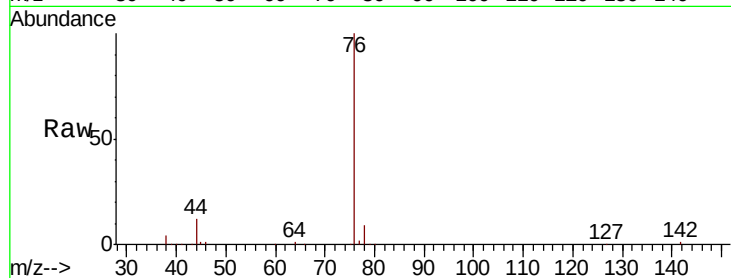
78 8.7 7.4 11.0

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#18

Methyl Acetate

Concen: 53.846 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059273.D

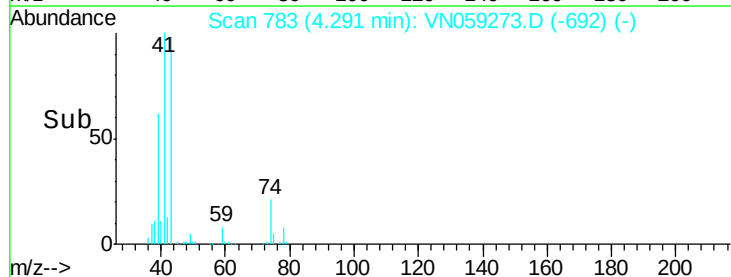
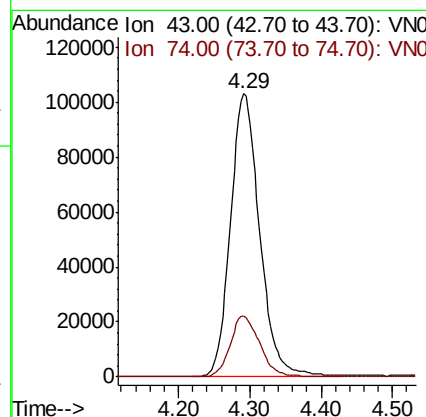
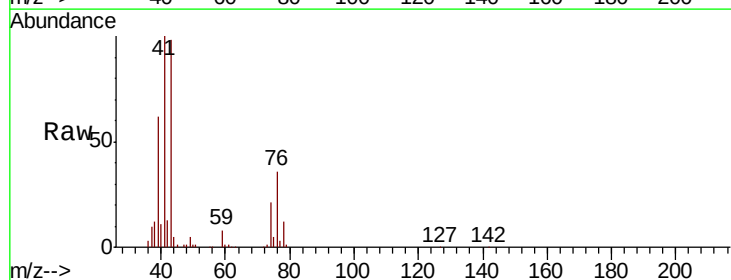
Acq: 18 Nov 2019 10:47

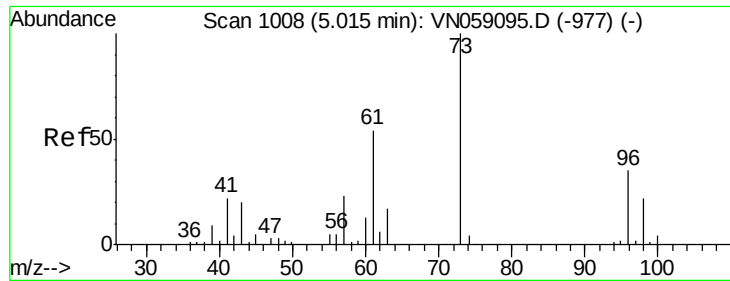
Tgt Ion: 43 Resp: 291370

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8





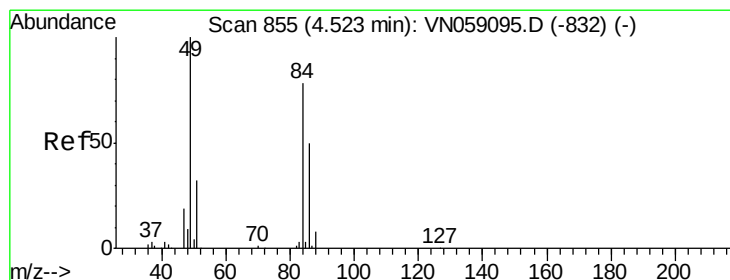
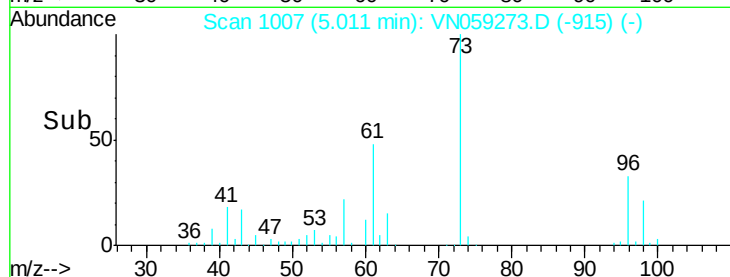
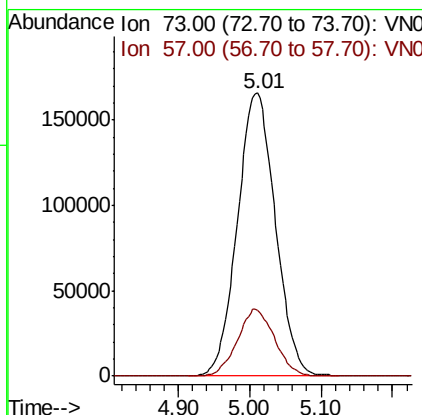
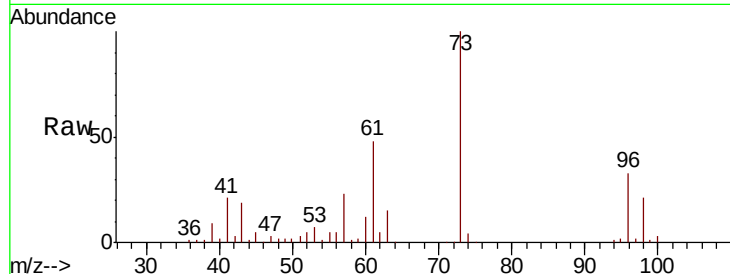
#19
Methyl tert-butyl Ether
Concen: 53.638 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 614353
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

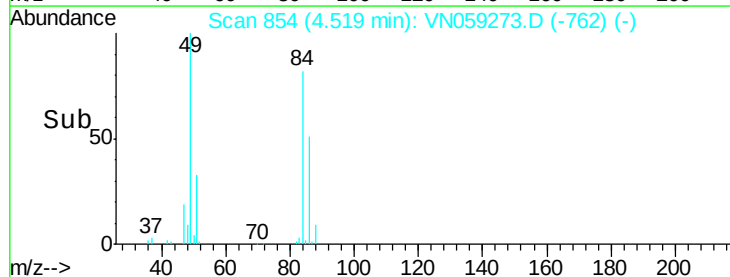
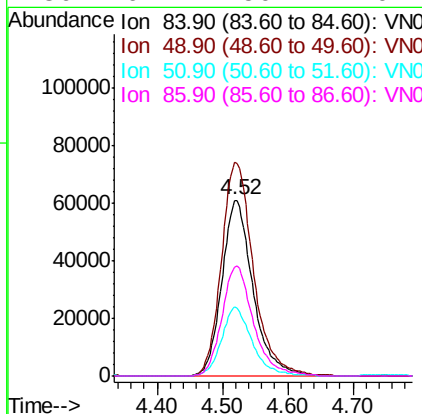
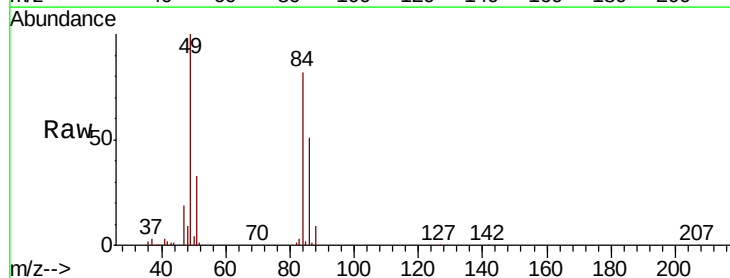
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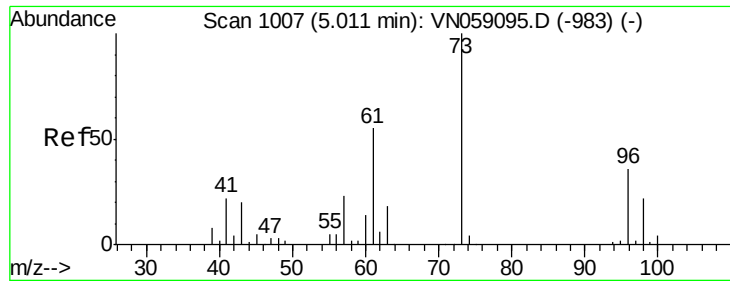
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#20
Methylene Chloride
Concen: 50.843 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 84 Resp: 201930
Ion Ratio Lower Upper
84 100
49 121.6 102.0 153.0
51 39.5 32.2 48.2
86 61.7 50.7 76.1





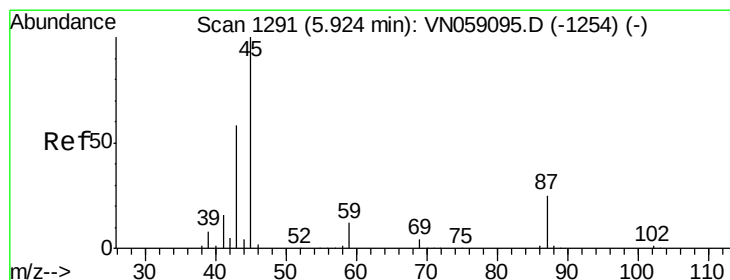
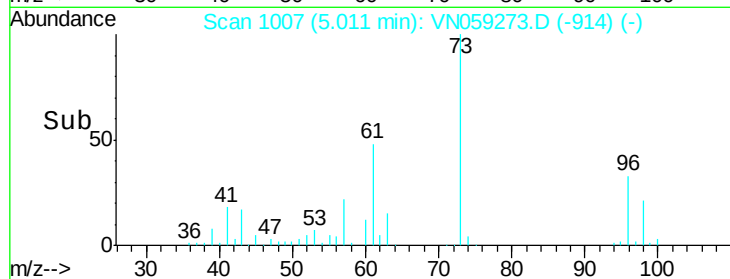
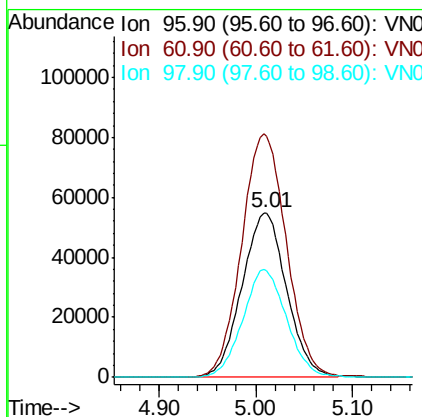
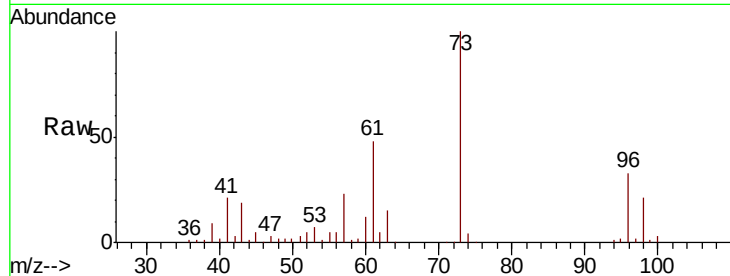
#21
trans-1,2-Dichloroethene
Concen: 49.130 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	122.6	183.8
98	64.6	50.3	75.5

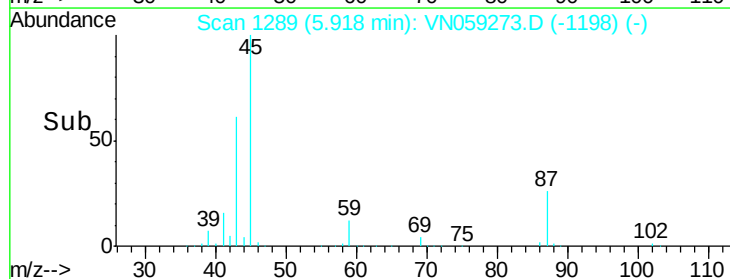
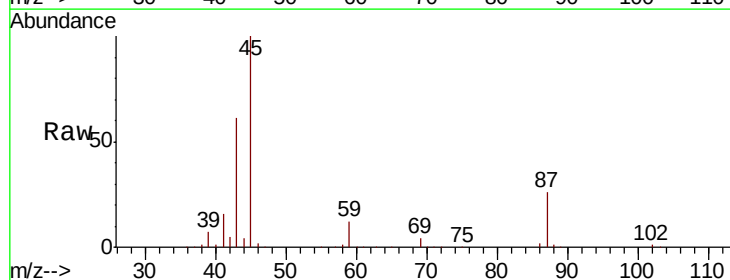
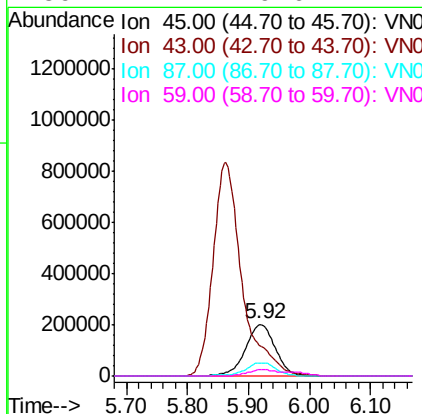
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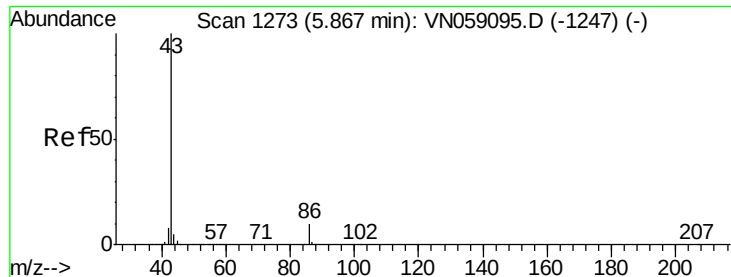
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#22
Diisopropyl ether
Concen: 52.832 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	46.7	70.1
87	26.0	20.5	30.7
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 275.061 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2751659

Ion Ratio Lower Upper

43 100

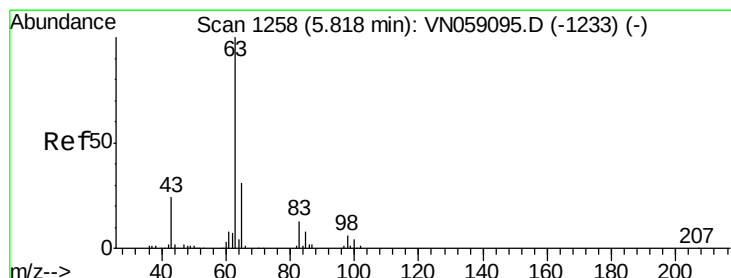
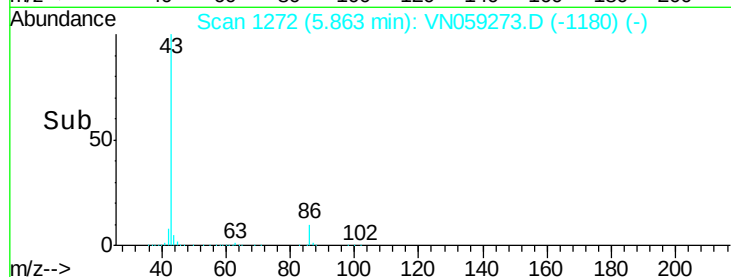
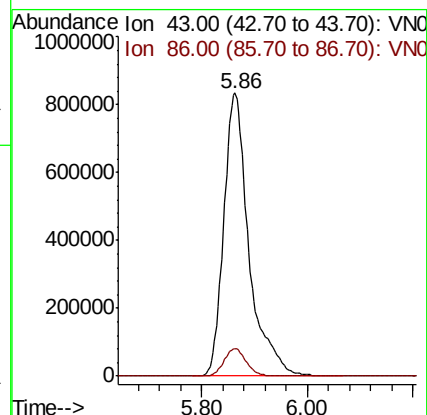
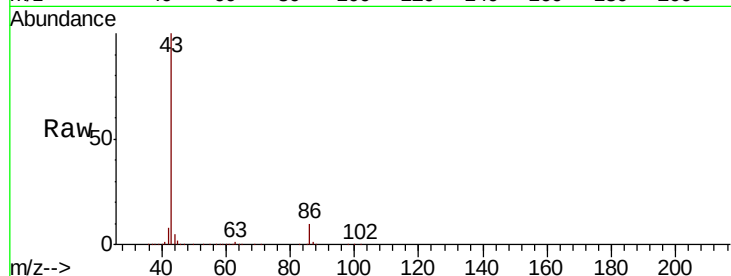
86 9.7 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 50.647 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

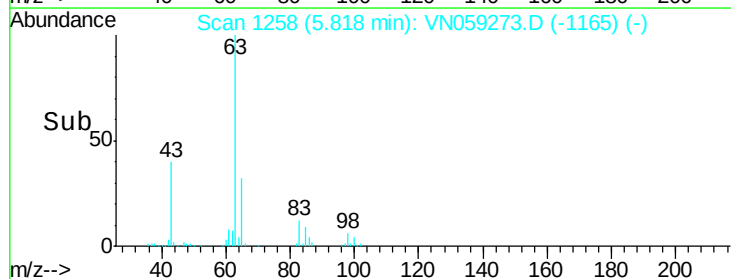
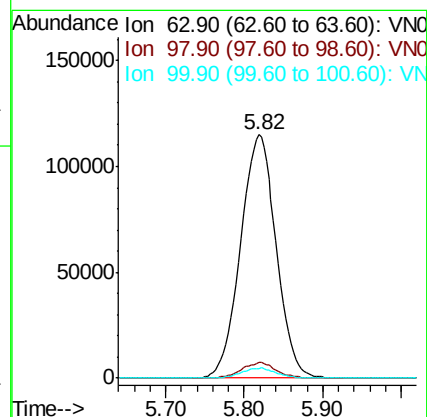
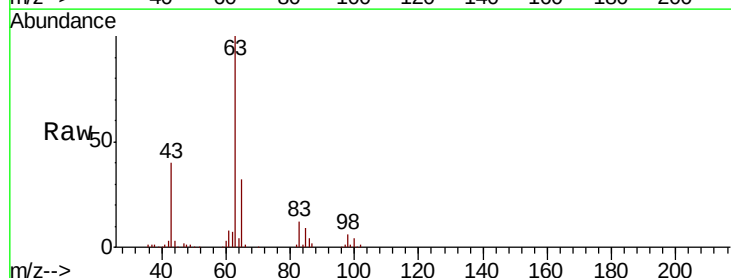
Tgt Ion: 63 Resp: 365131

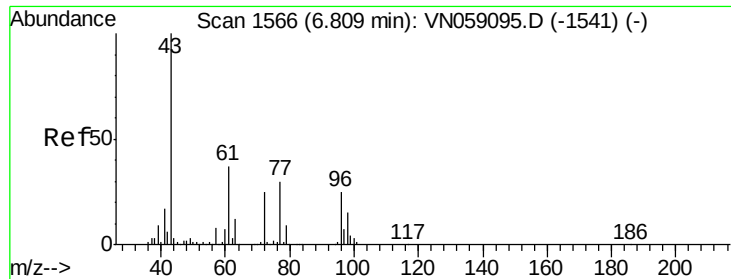
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 4.1 1.9 5.7





#25

2-Butanone

Concen: 267.798 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 804608

Ion Ratio Lower Upper

43 100

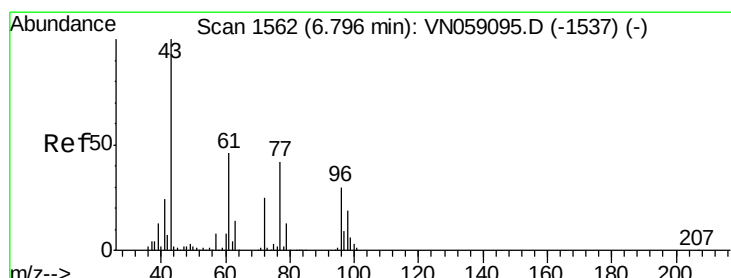
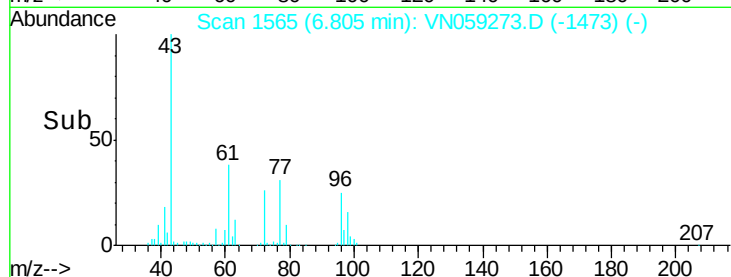
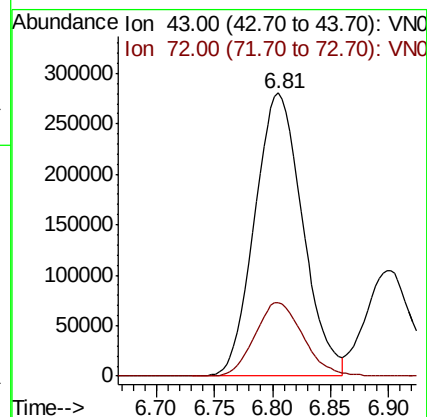
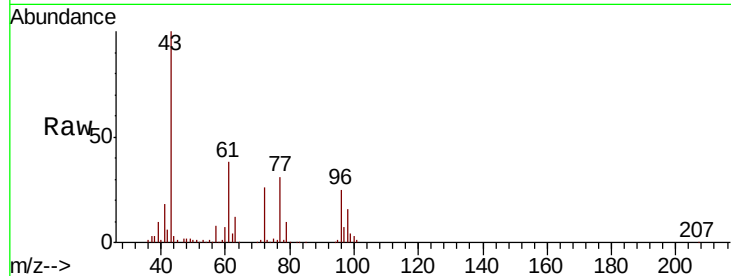
72 26.1 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 49.580 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059273.D

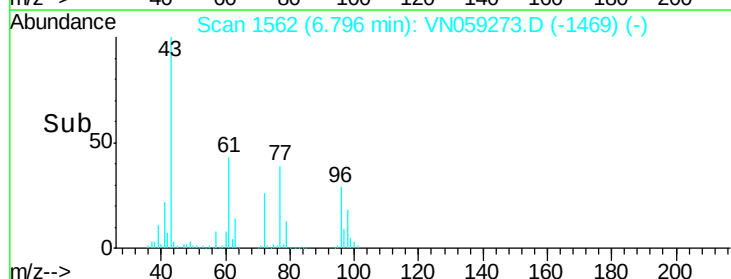
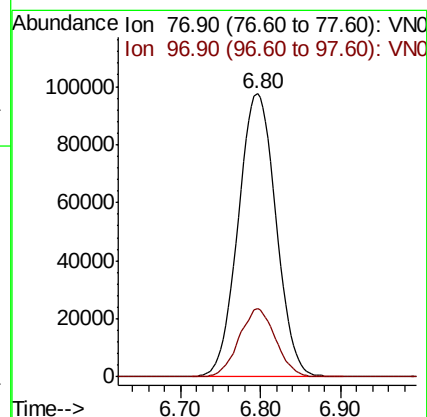
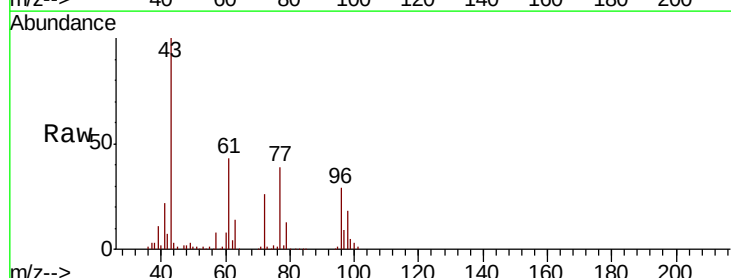
Acq: 18 Nov 2019 10:47

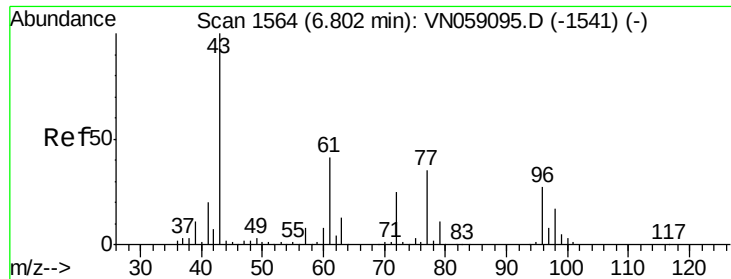
Tgt Ion: 77 Resp: 312550

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.927 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

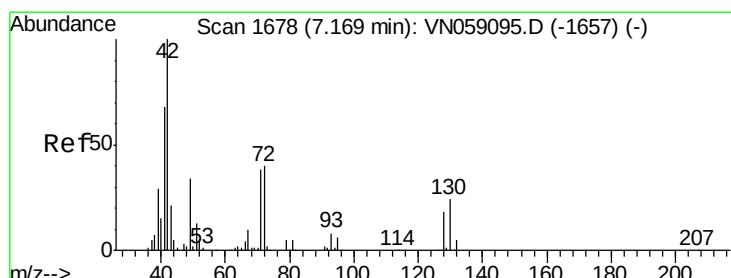
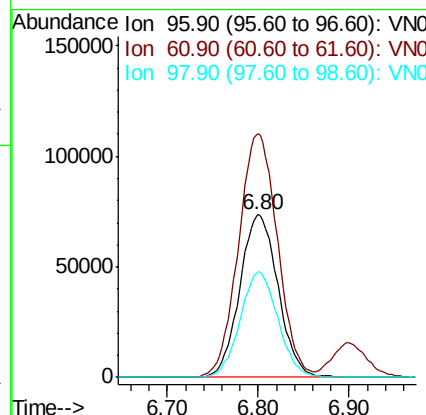
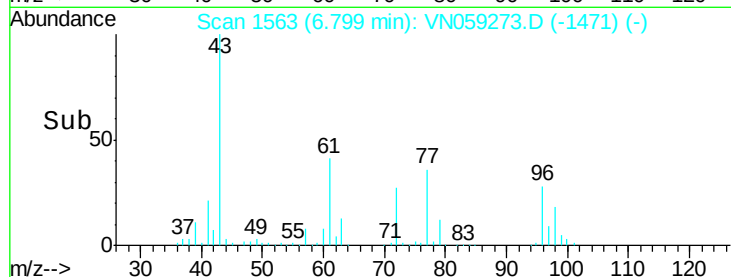
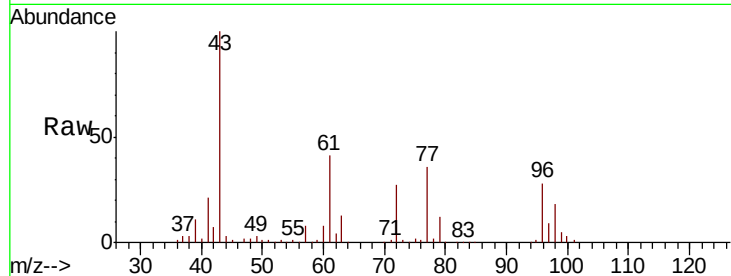
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	215130
Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	311.6
98	64.0	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.697 ug/l

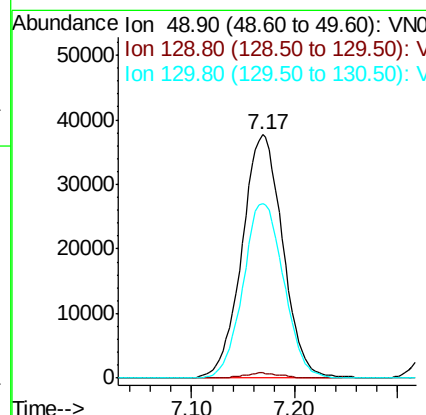
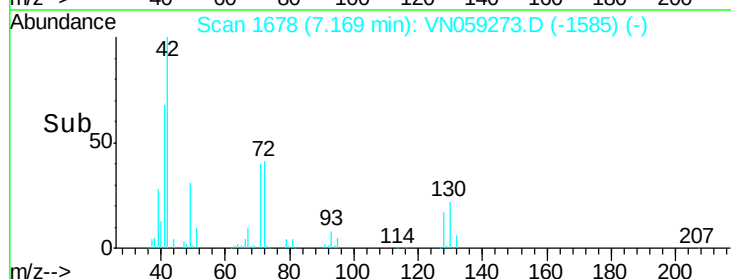
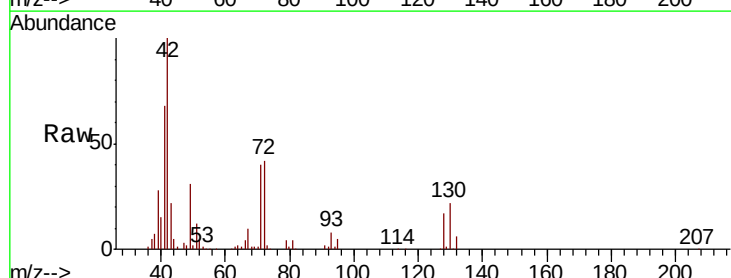
RT: 7.17 min Scan# 1678

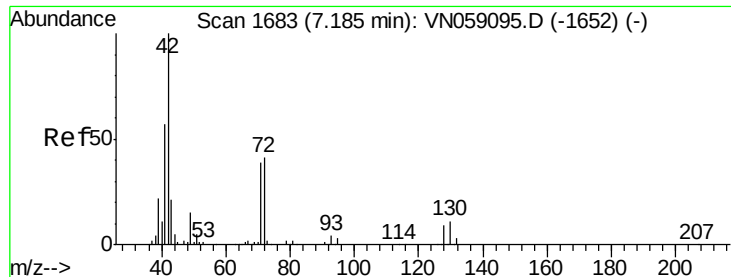
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	49	Resp:	103454
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	71.6	55.6	83.4





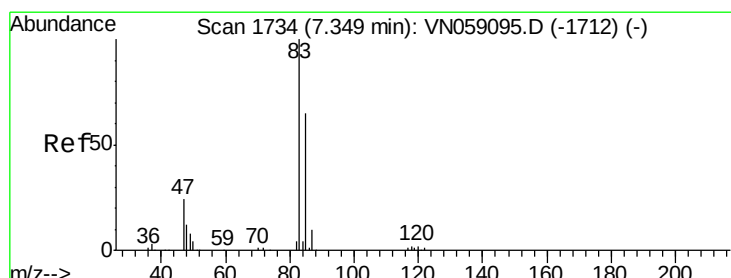
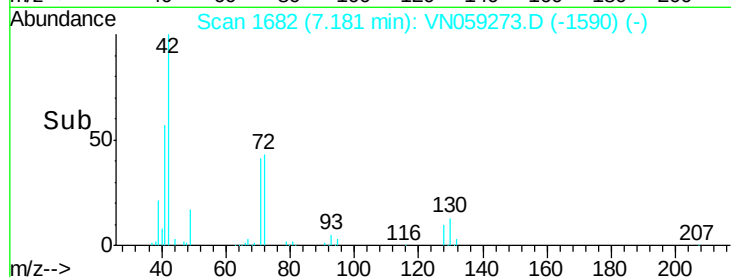
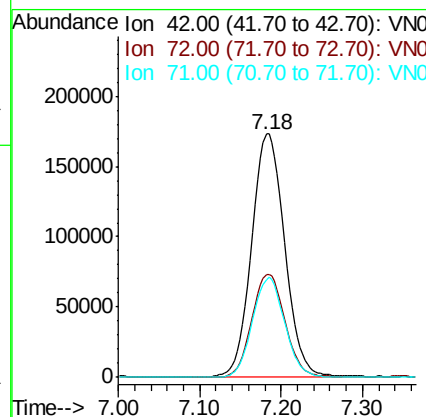
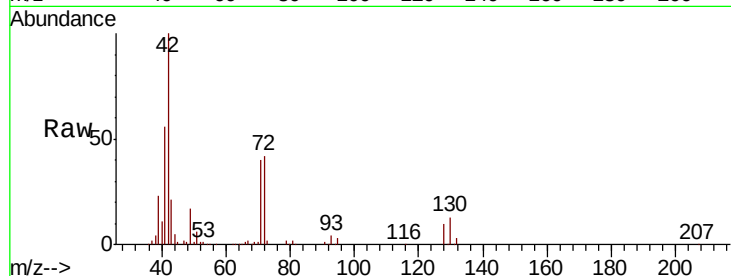
#29
Tetrahydrofuran
Concen: 254.607 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.1	49.7
71	40.0	30.9	46.3

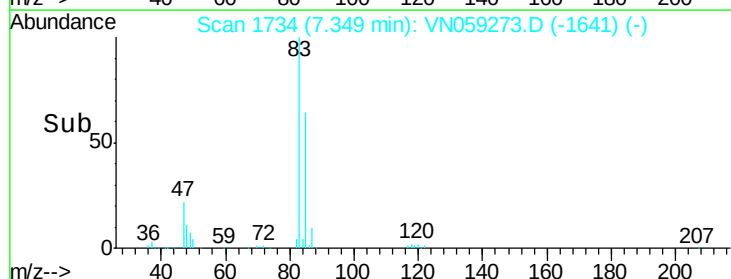
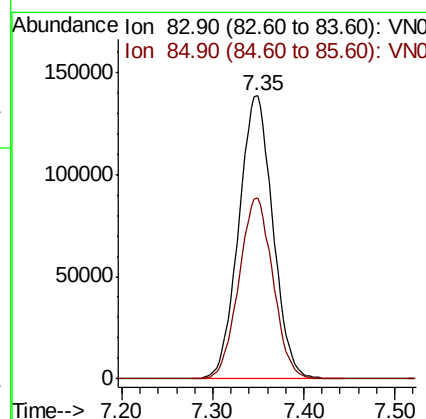
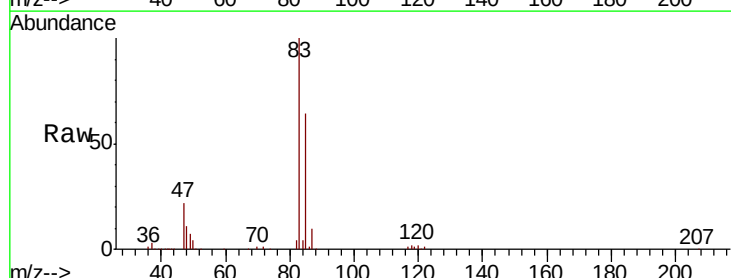
Manual Integrations
APPROVED

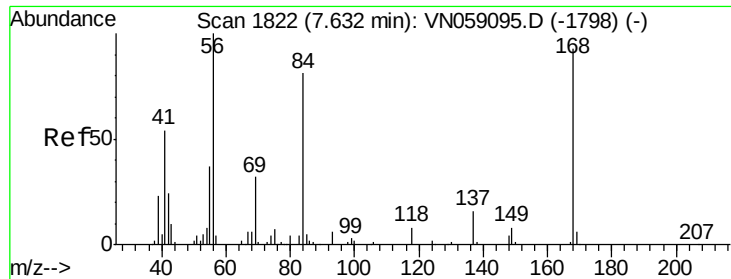
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11/19/2019 10:59:28 AM



#30
Chloroform
Concen: 52.099 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





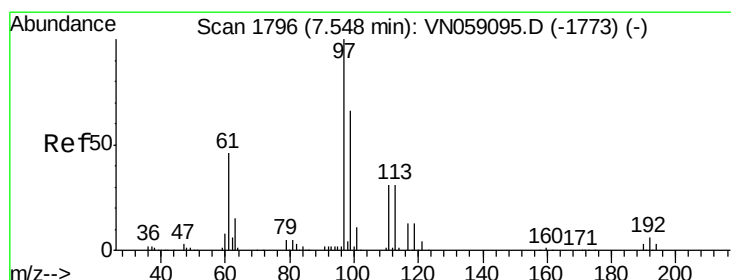
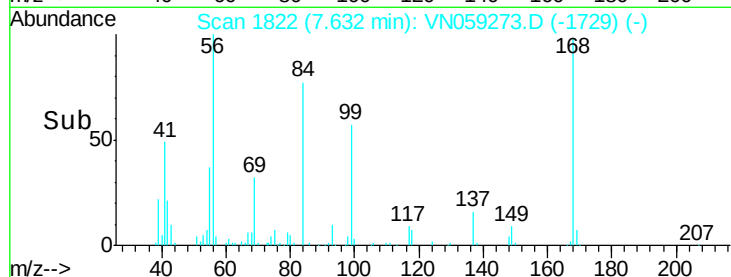
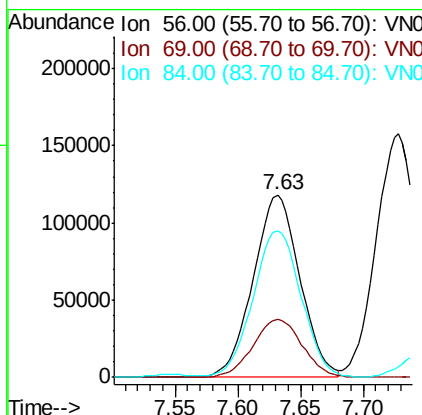
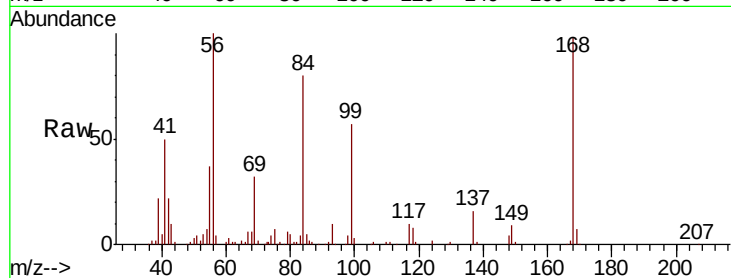
#31
Cyclohexane
Concen: 44.862 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.8	38.8
84	79.0	65.0	97.4

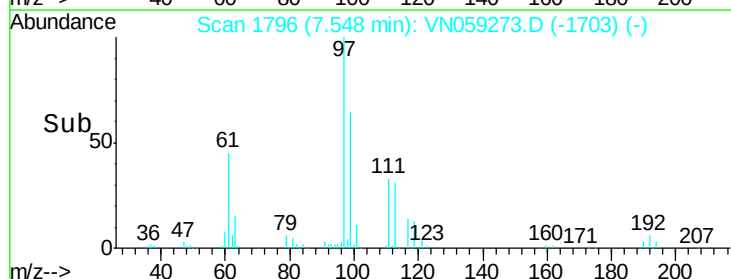
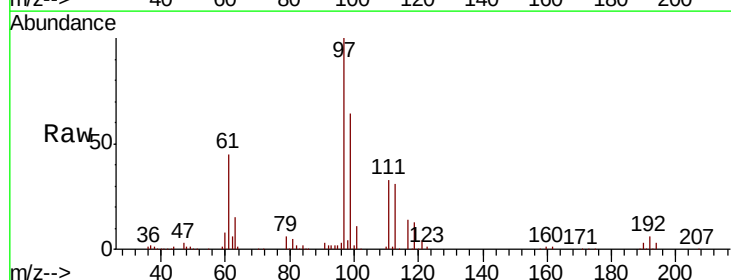
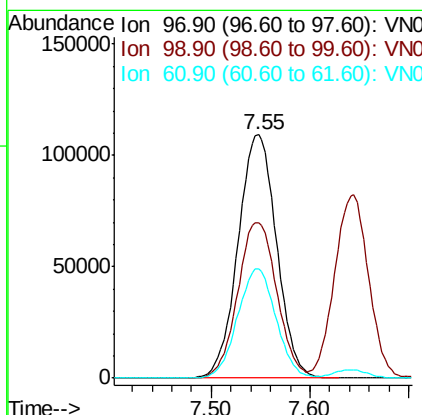
Manual Integrations
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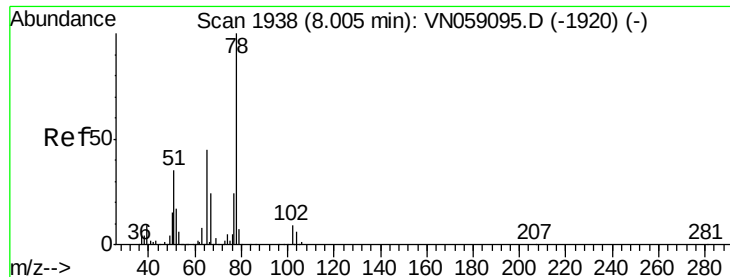
MMDADODA
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#32
1,1,1-Trichloroethane
Concen: 50.835 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	44.9	35.8	53.8





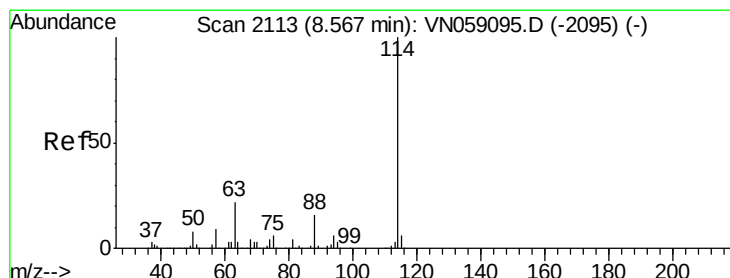
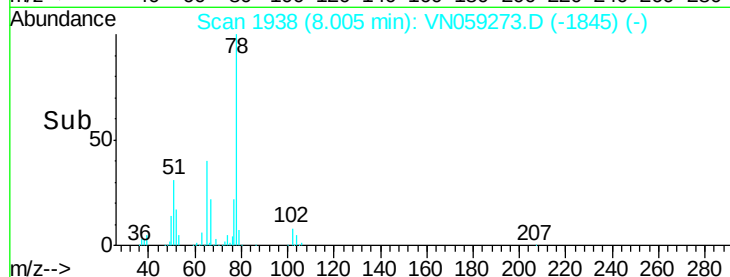
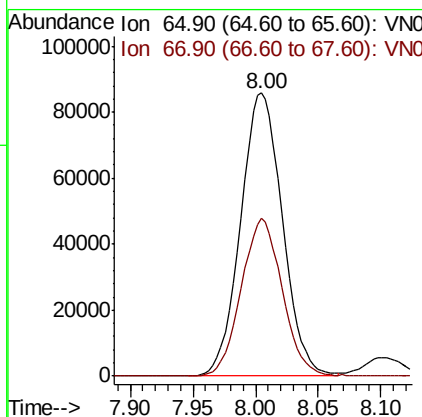
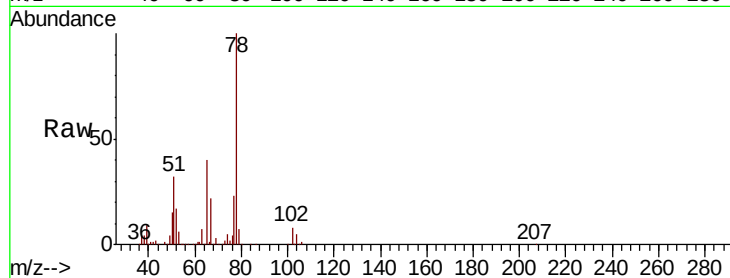
#33
 1,2-Dichloroethane-d4
 Concen: 45.423 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199132		
67	54.4	0.0	107.4	

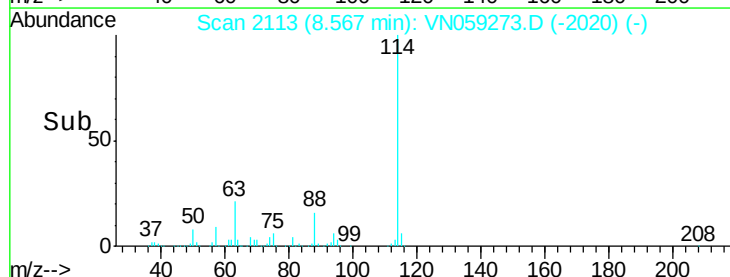
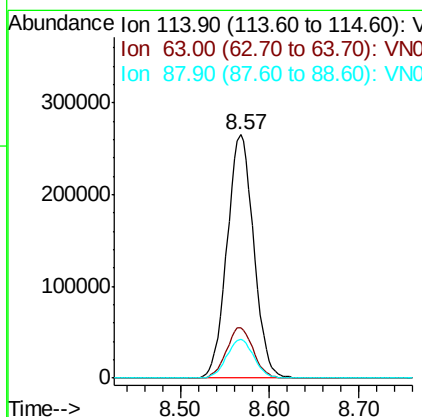
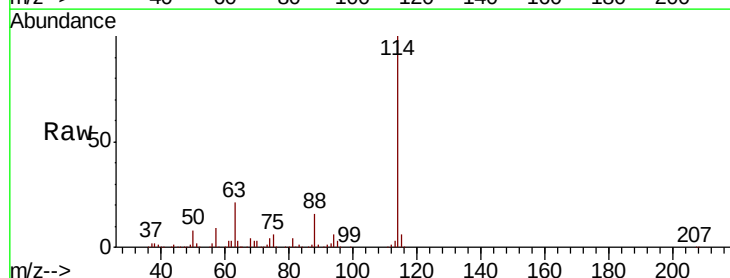
Manual Integrations
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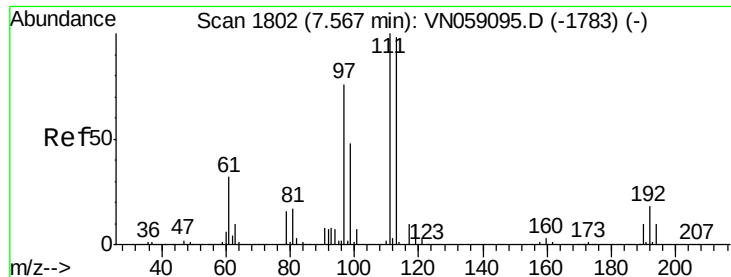
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	548590		
63	20.7	0.0	43.4	
88	15.9	0.0	32.2	





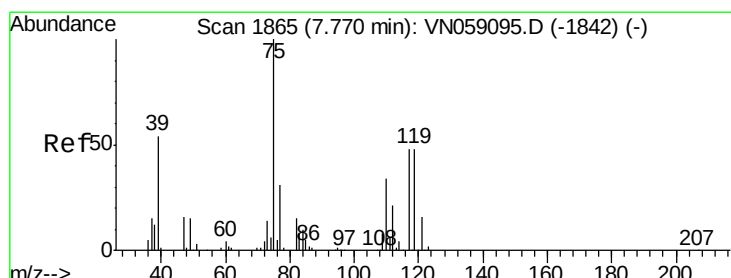
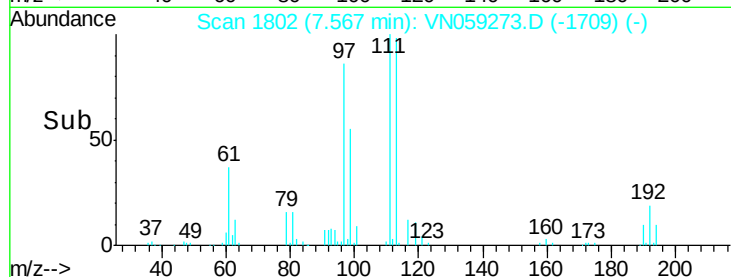
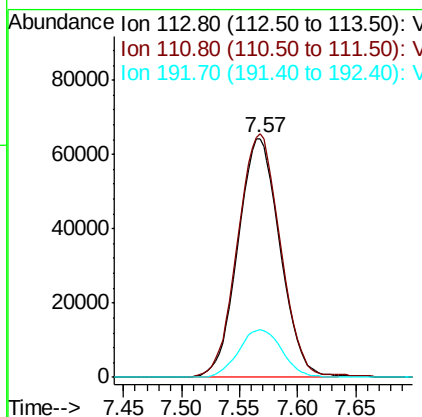
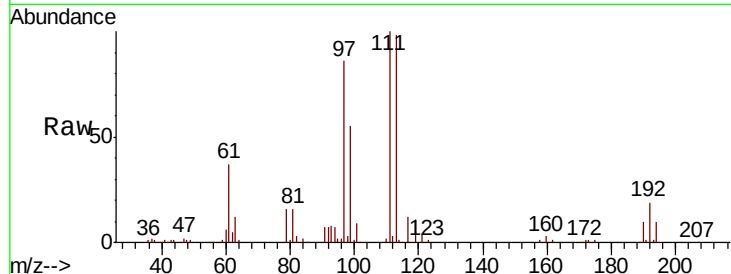
#35
Dibromofluoromethane
Concen: 49.545 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162292		
111	103.2	82.8	124.2	
192	20.6	16.1	24.1	

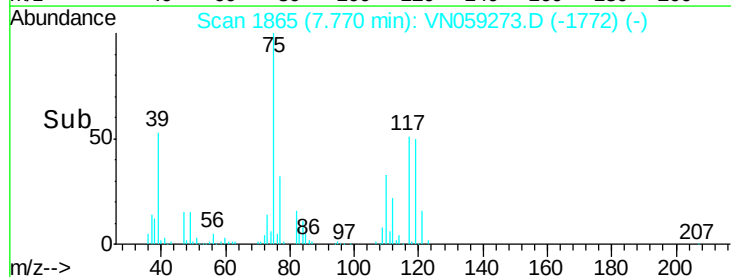
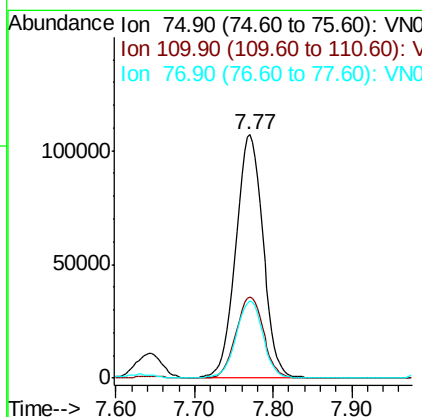
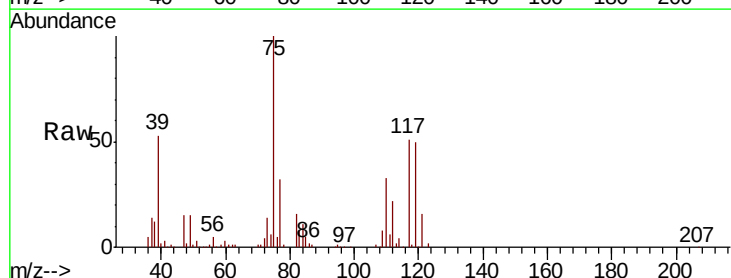
Manual Integrations
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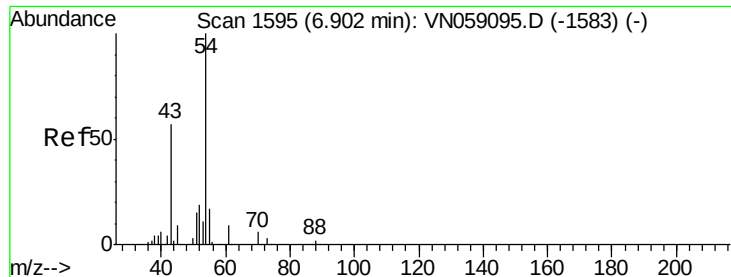
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#36
1,1-Dichloropropene
Concen: 50.729 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	260124		
110	33.9	17.1	51.2	
77	31.5	24.8	37.2	





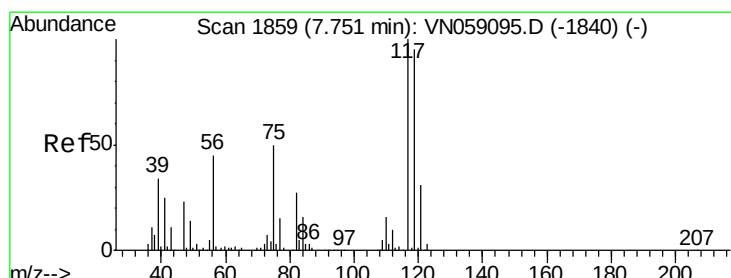
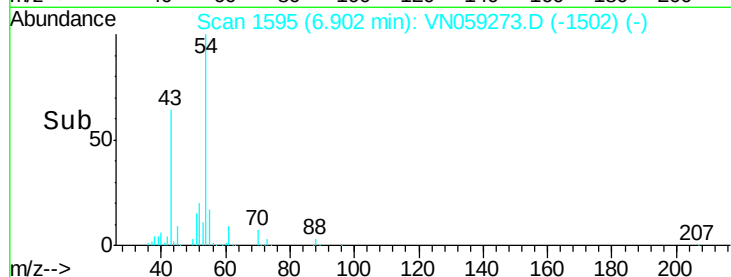
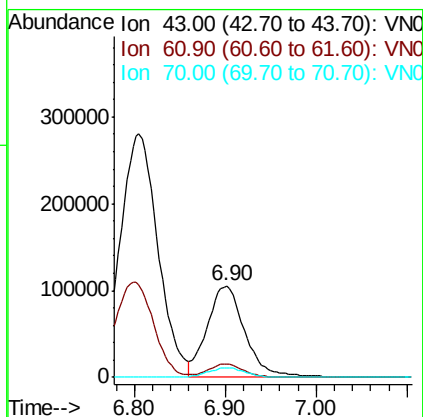
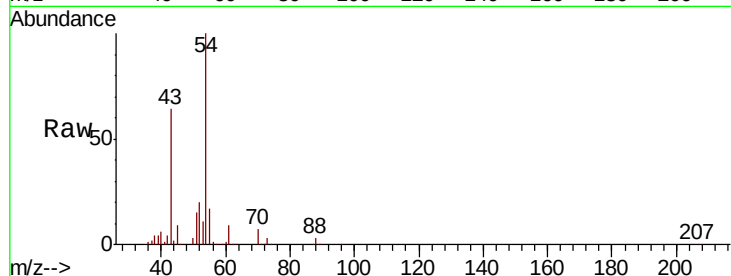
#37
Ethyl Acetate
Concen: 52.334 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	10.3	7.8	11.8

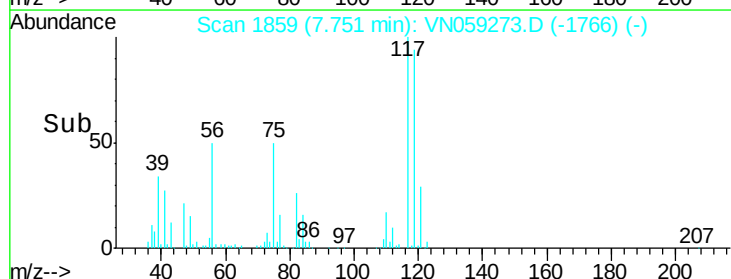
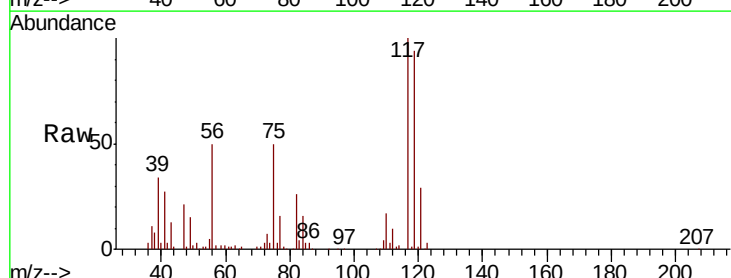
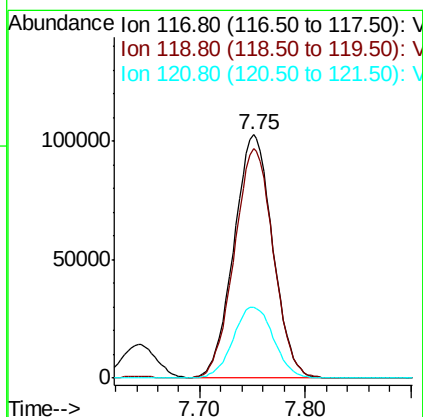
Manual Integrations
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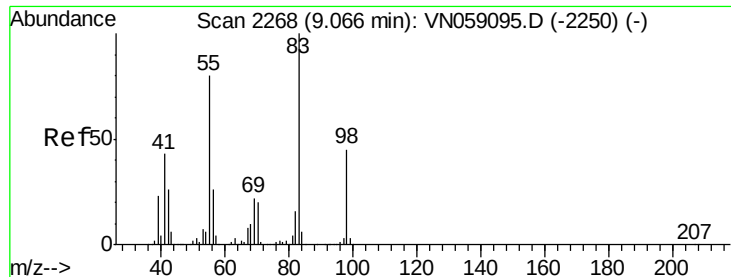
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#38
Carbon Tetrachloride
Concen: 51.455 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.6	113.4
121	29.2	24.6	36.8





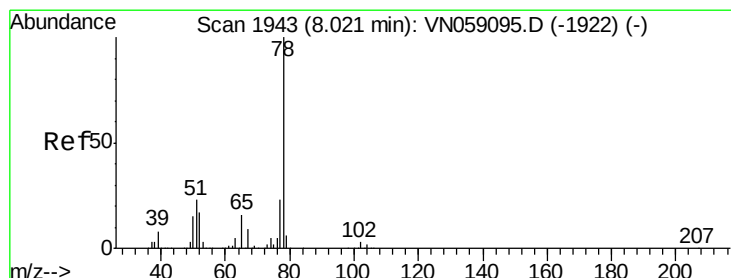
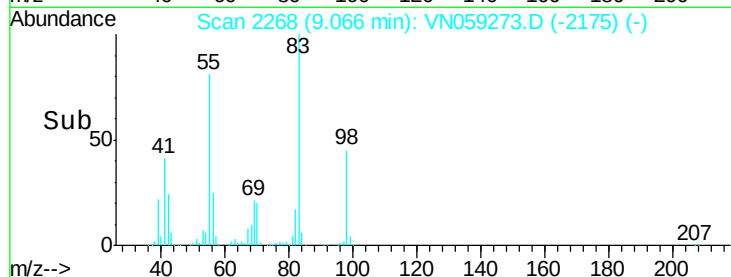
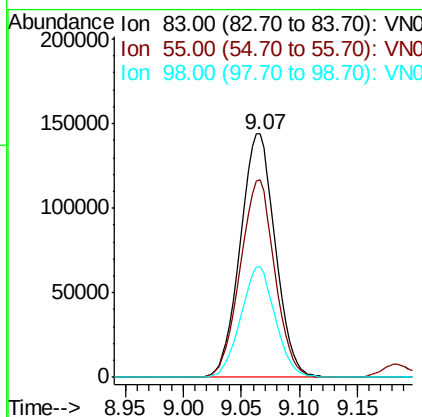
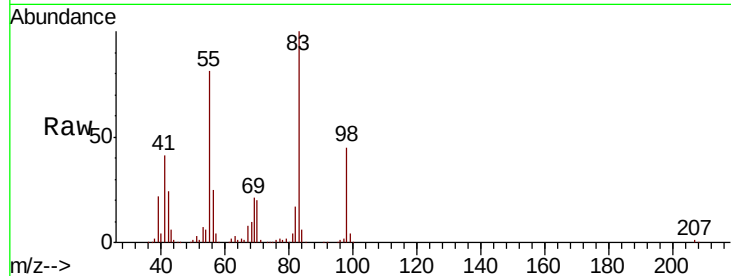
#39
Methylvlcyclohexane
Concen: 50.896 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.9	63.9	95.9	
98	45.5	35.6	53.4	

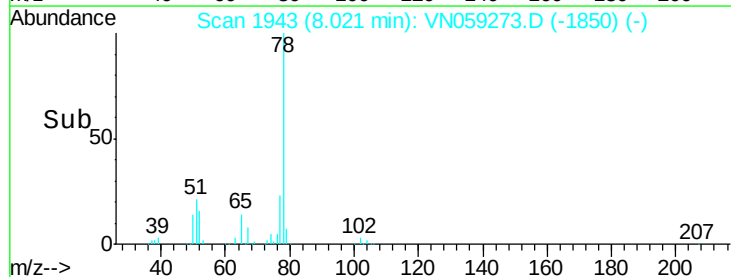
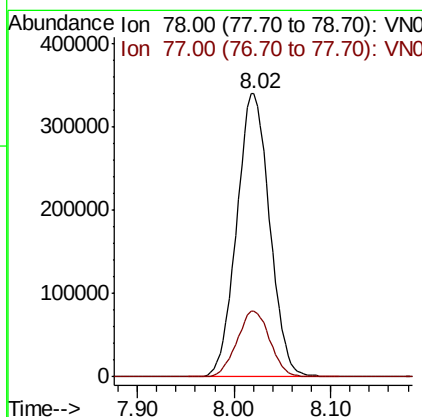
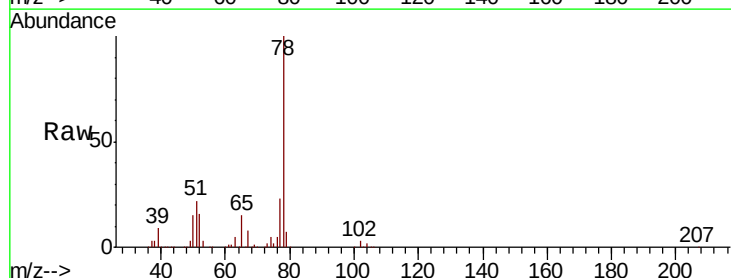
Manual Integrations
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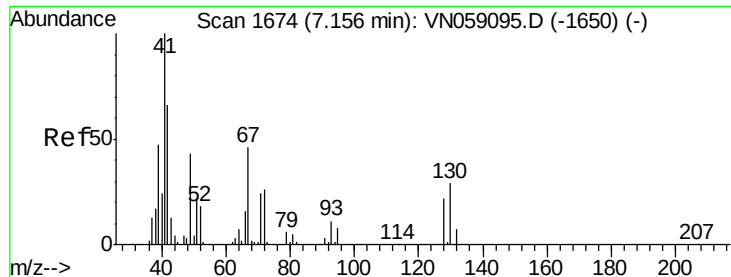
MMDADODA
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#40
Benzene
Concen: 52.153 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.8	28.2	





#41

Methacrylonitrile

Concen: 59.178 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

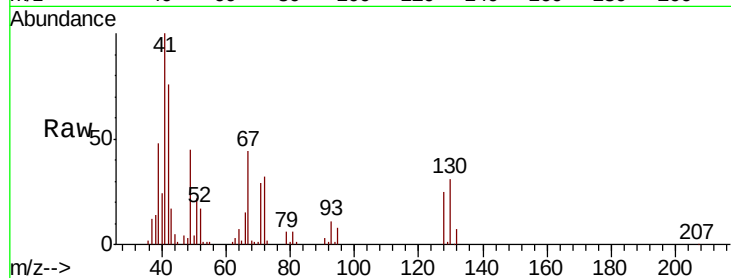
VSTDCCC050

Tot Ion: 41 Resp: 146793

Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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MMDADODA
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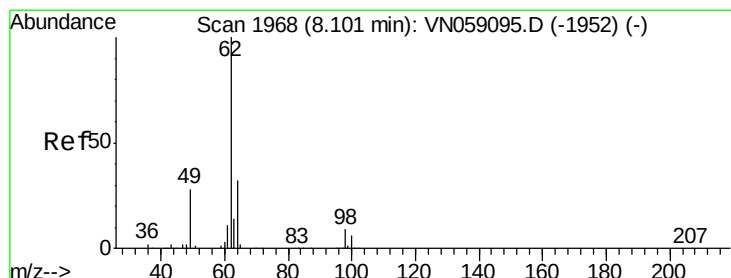
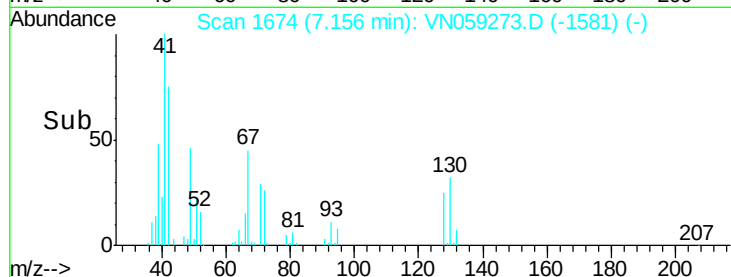
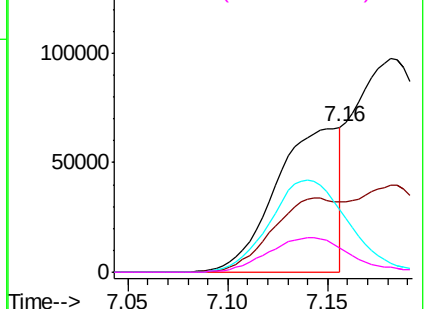


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 51.293 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059273.D

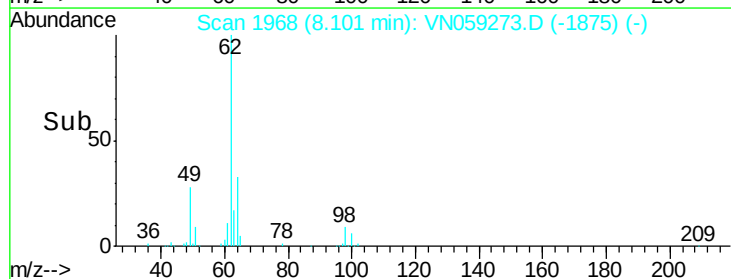
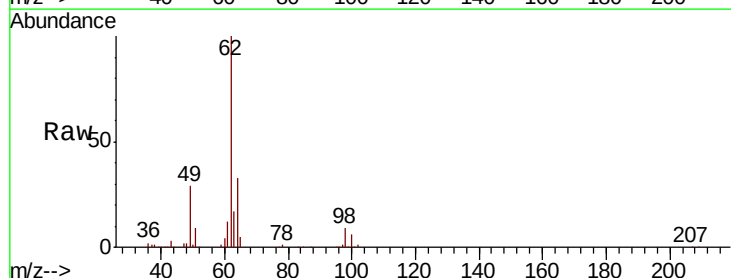
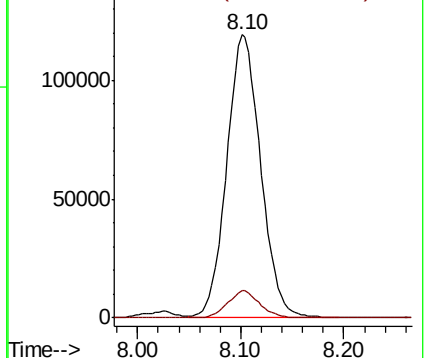
Acq: 18 Nov 2019 10:47

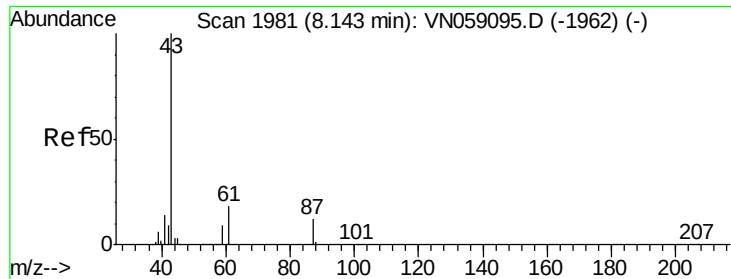
Tgt Ion: 62 Resp: 271644

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8

Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





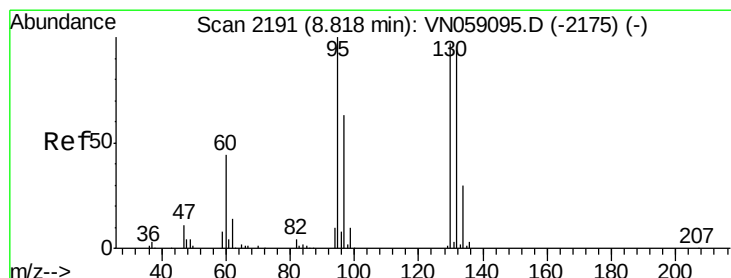
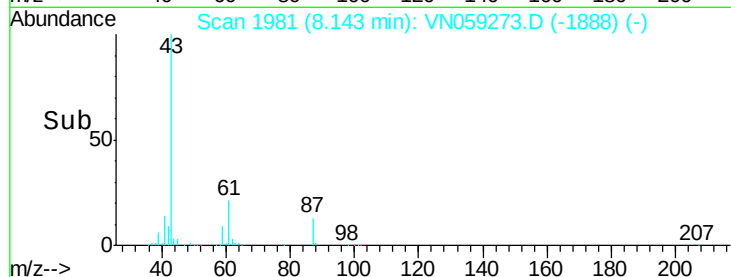
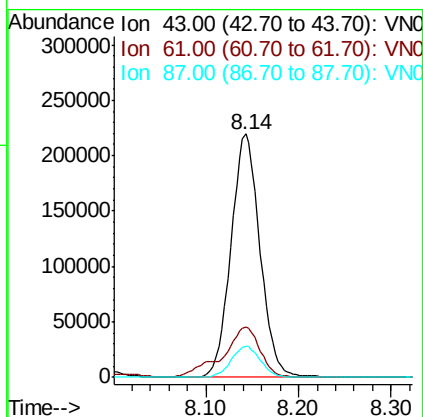
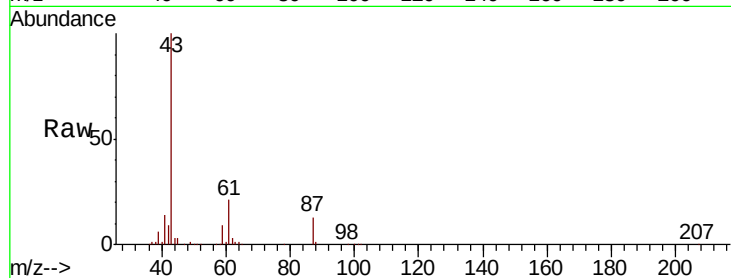
#43
Isopropyl Acetate
Concen: 52.026 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.9	9.8	14.6

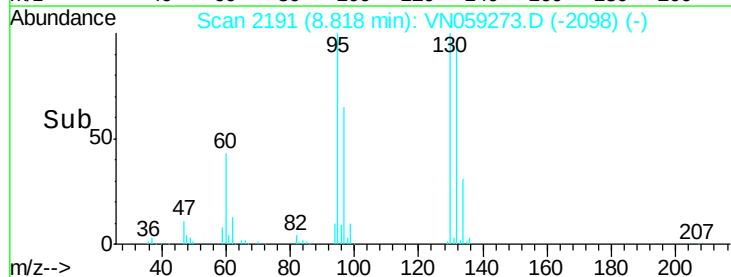
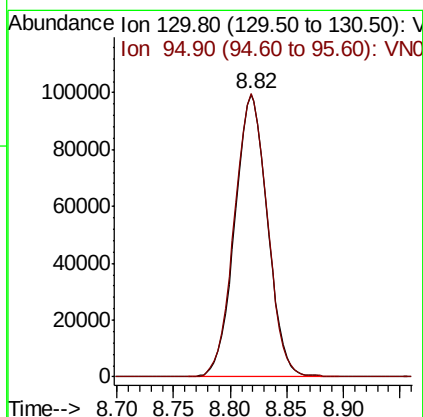
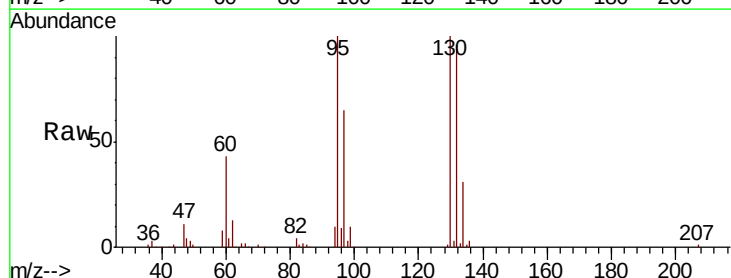
Manual Integrations
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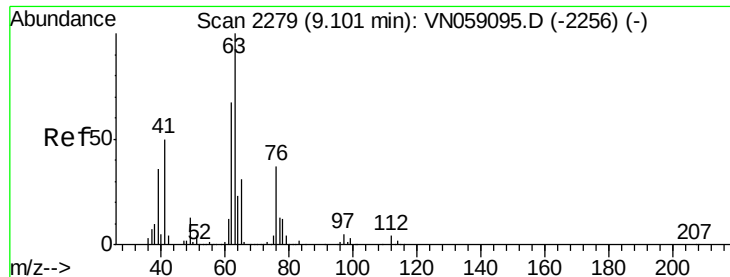
MMDADODA
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#44
Trichloroethene
Concen: 52.717 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	206.4





#45

1,2-Dichloropropane

Concen: 53.594 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 224779

Ion Ratio Lower Upper

63 100

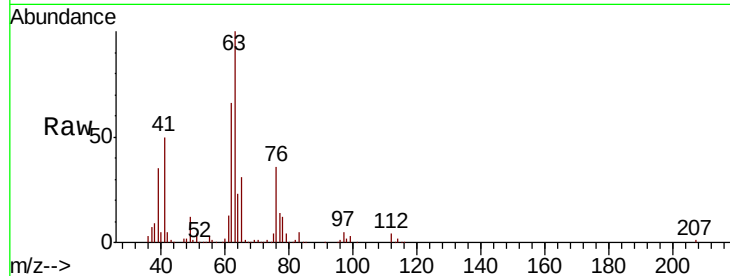
65 31.2 24.6 37.0

Manual Integrations

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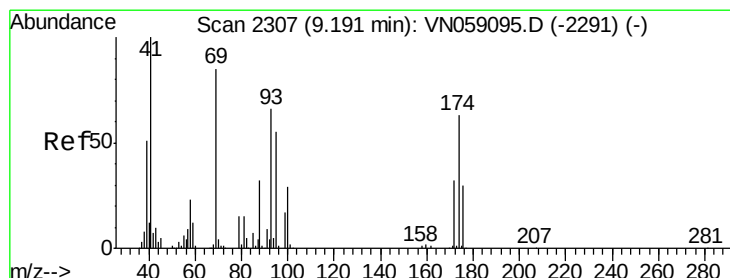
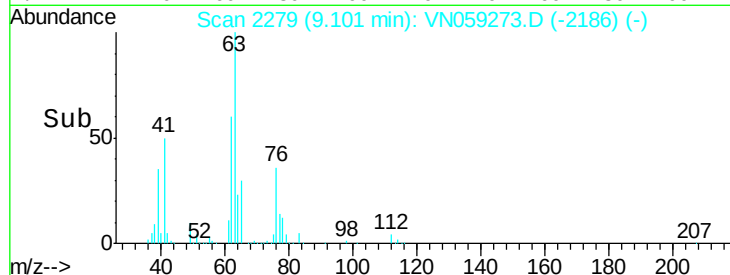
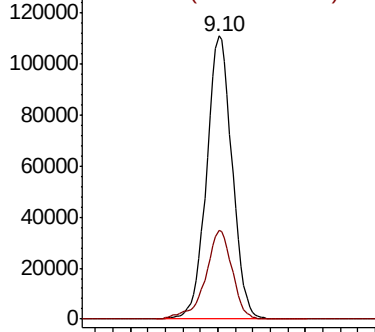
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.537 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

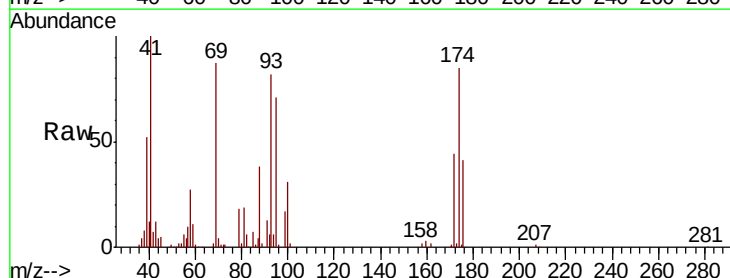
Tgt Ion: 93 Resp: 134697

Ion Ratio Lower Upper

93 100

95 84.7 66.6 100.0

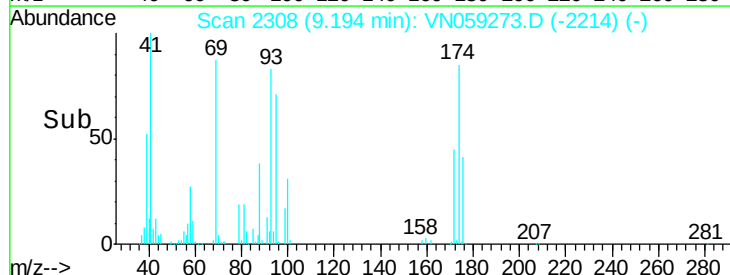
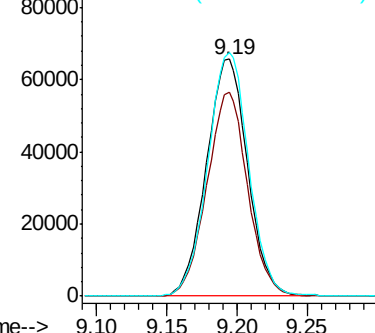
174 102.3 78.2 117.2

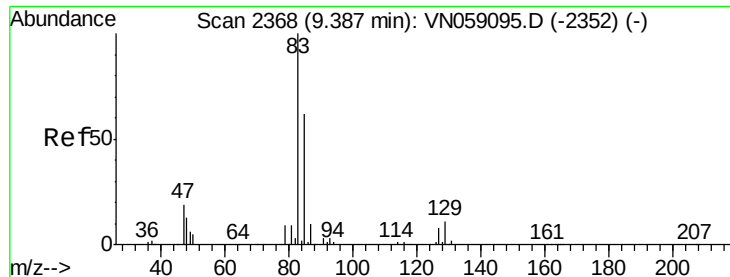


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.985 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

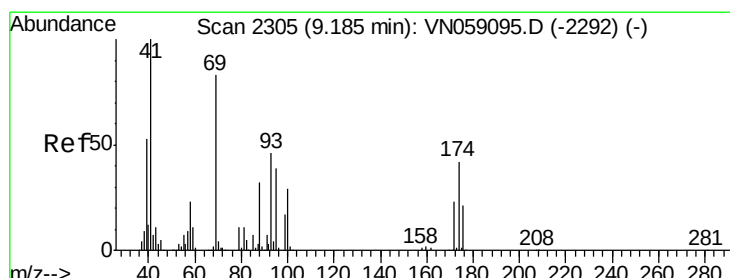
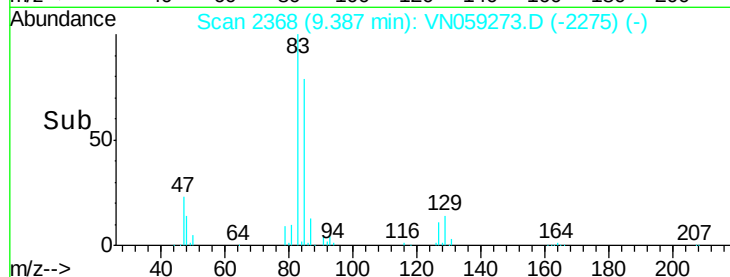
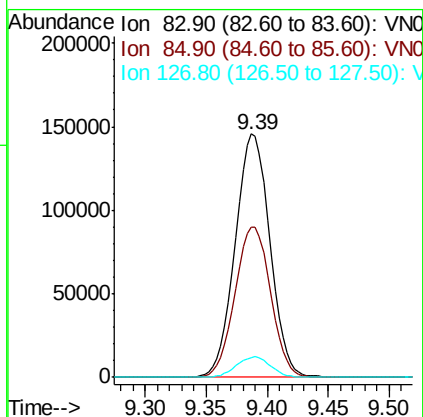
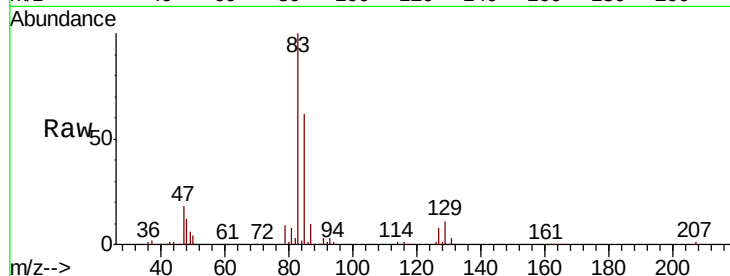
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	286960
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.7	74.5
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.149 ug/l

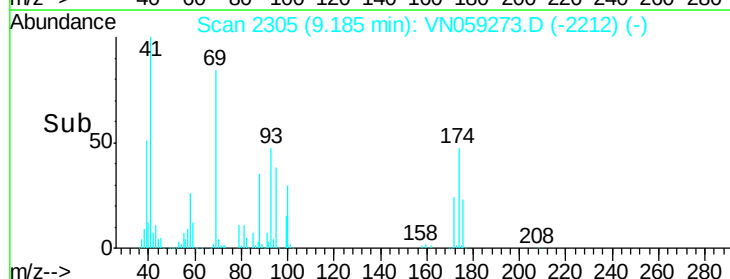
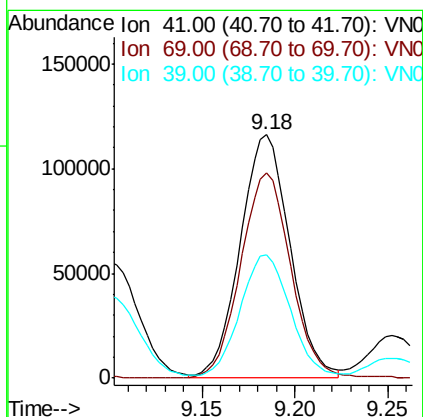
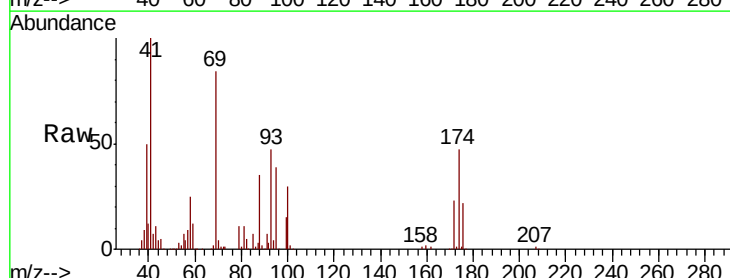
RT: 9.18 min Scan# 2305

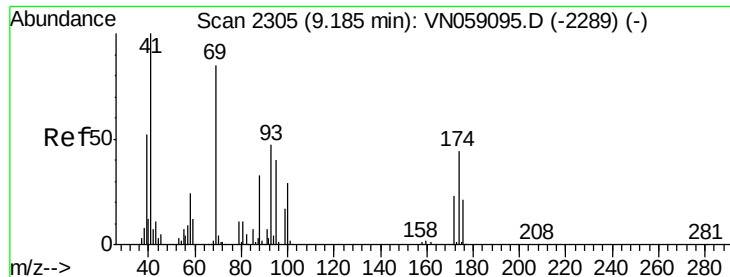
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	41	Resp:	216202
Ion	Ratio	Lower	Upper
41	100		
69	85.4	67.3	100.9
39	51.6	43.3	64.9





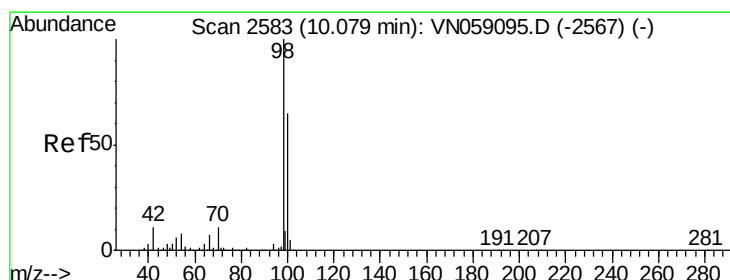
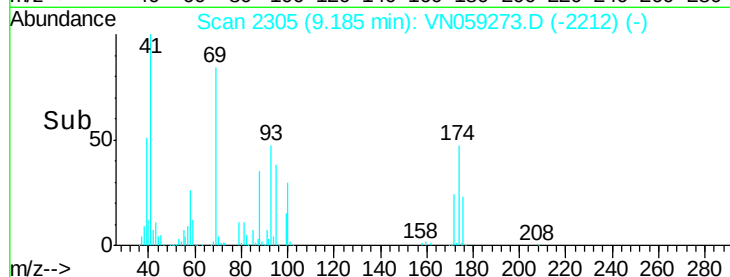
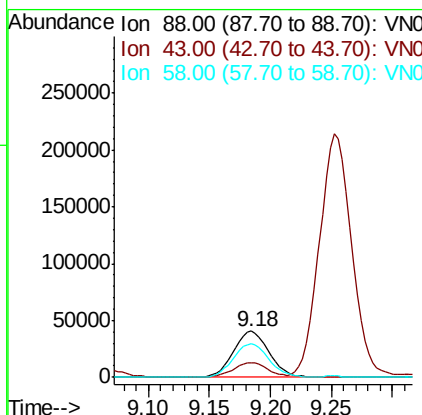
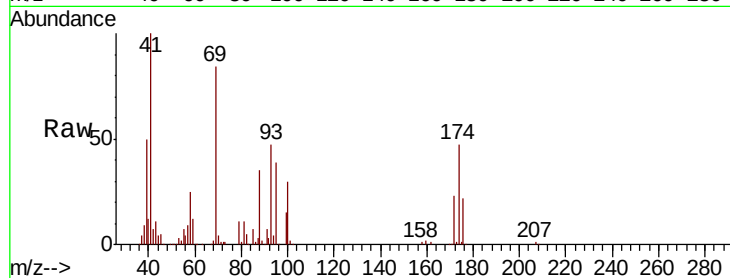
#49
1,4-Dioxane
Concen: 1137.087 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.3	39.5
58	72.9	60.6	90.8

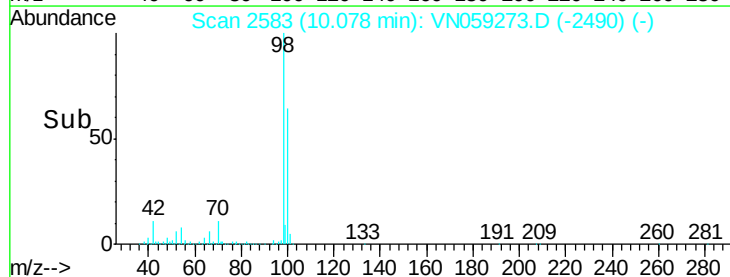
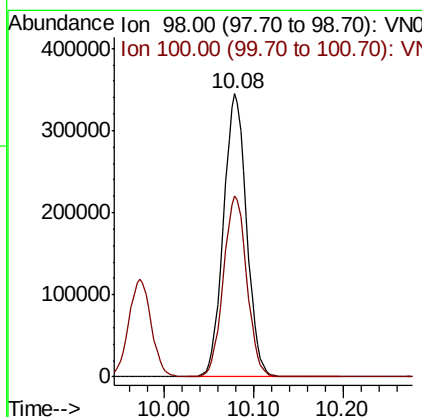
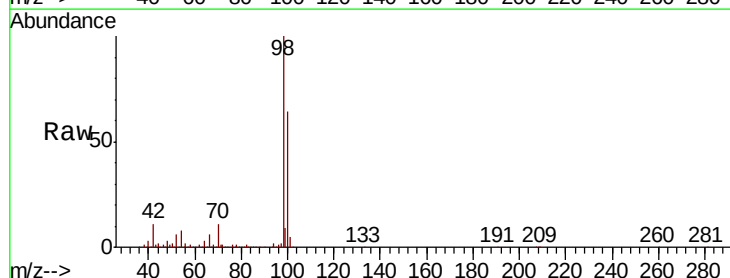
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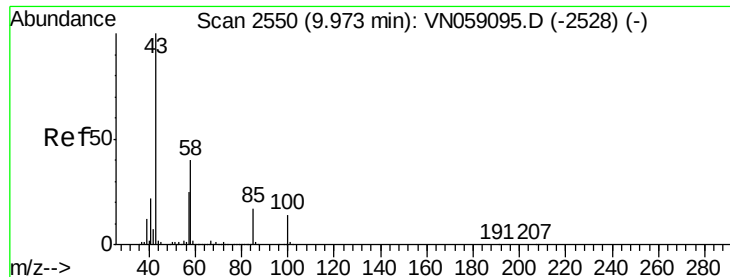
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#50
Toluene-d8
Concen: 47.858 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





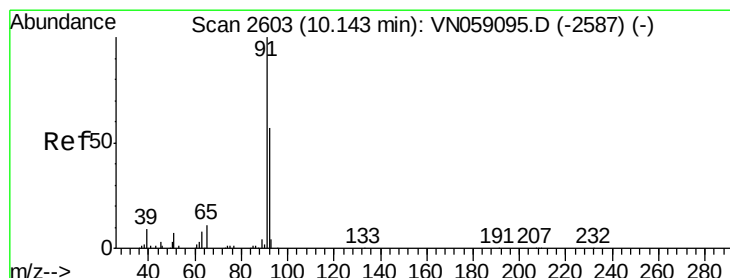
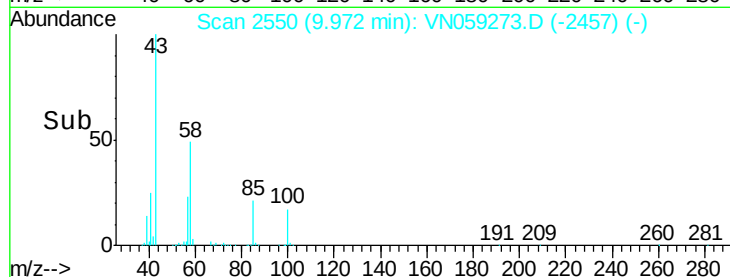
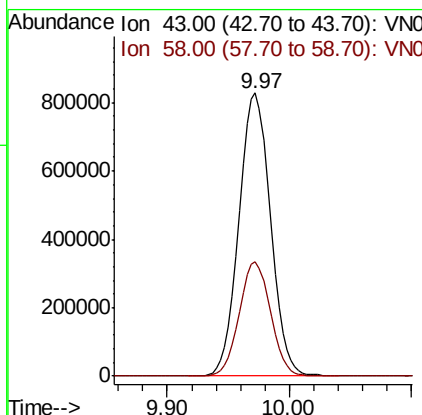
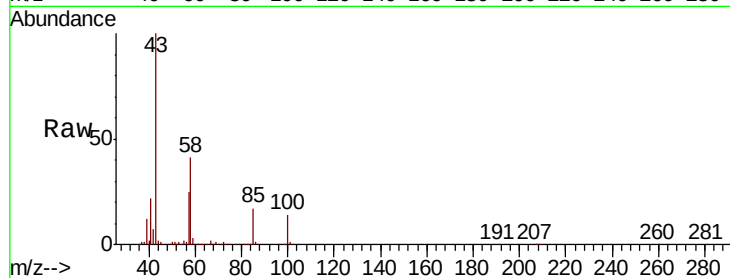
#51
4-Methyl-2-Pentanone
Concen: 287.258 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1478168
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3

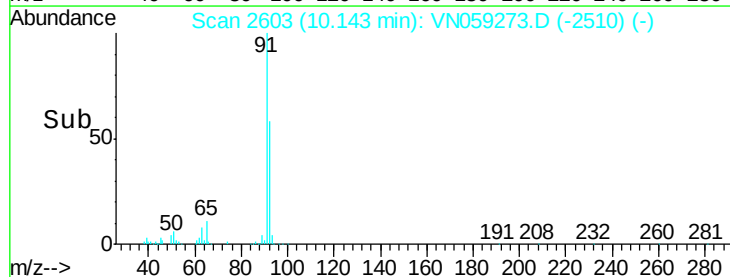
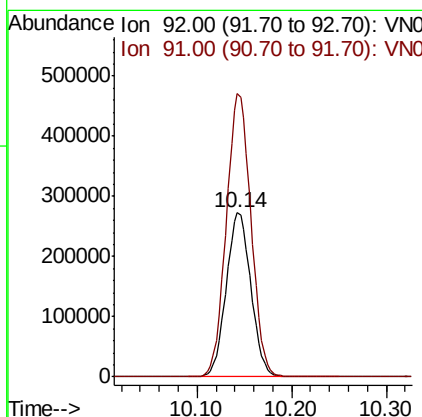
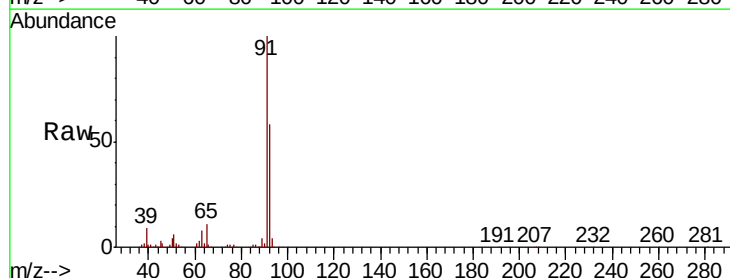
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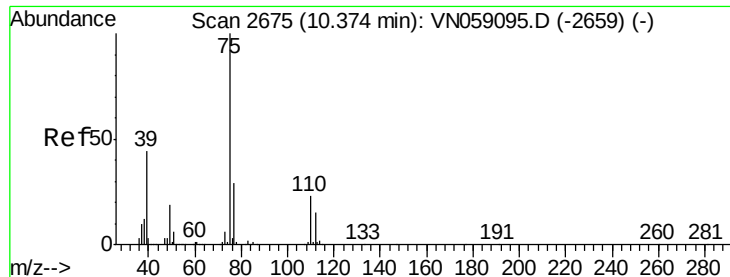
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#52
Toluene
Concen: 53.296 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 92 Resp: 493262
Ion Ratio Lower Upper
92 100
91 173.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 54.132 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 326391

Ion Ratio Lower Upper

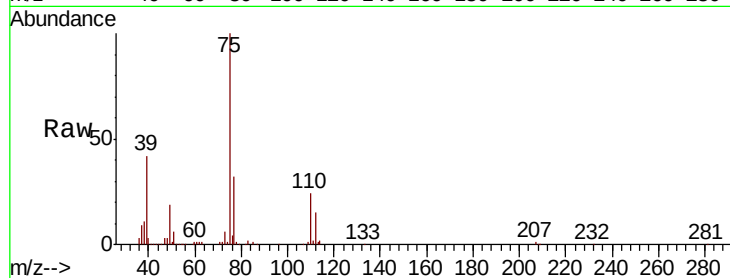
75 100

77 31.3 25.3 37.9

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

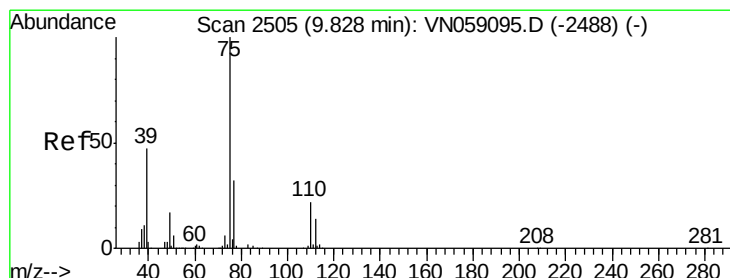
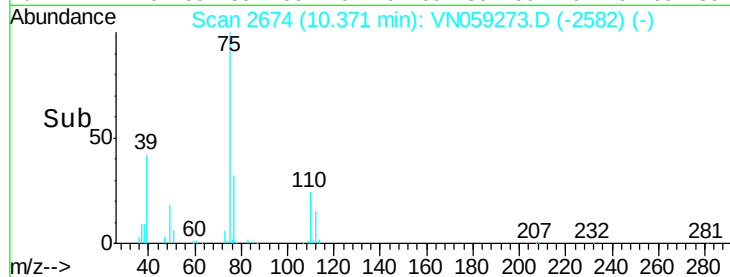
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.632 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

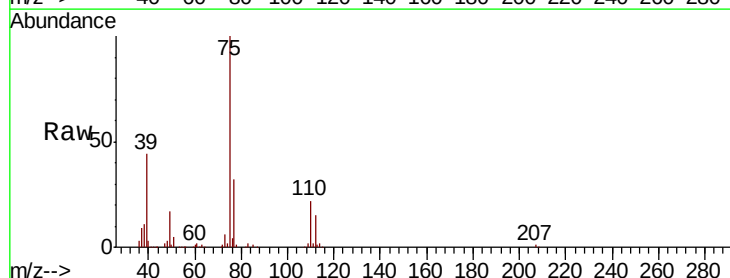
Tgt Ion: 75 Resp: 354331

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 44.0 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

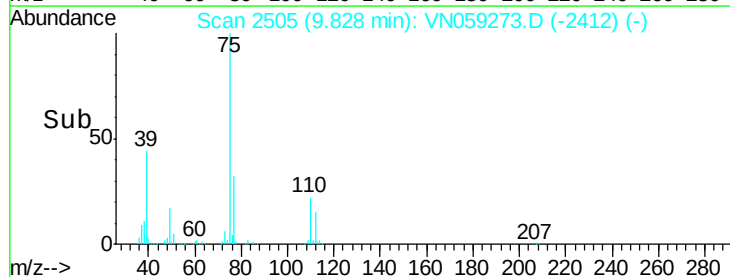
150000

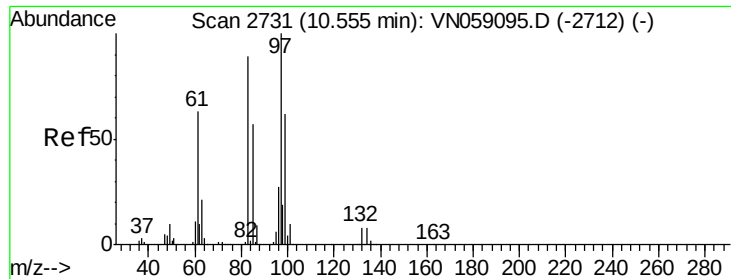
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.212 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 199312

Ion Ratio Lower Upper

97 100

83 90.2 71.0 106.4

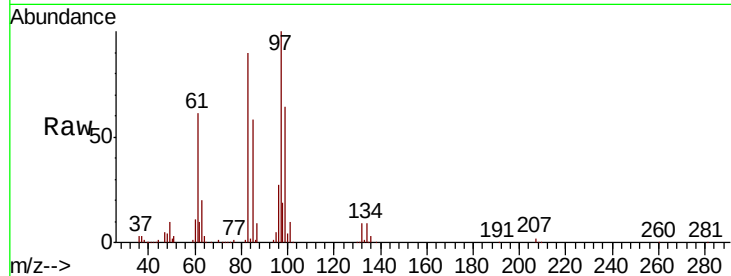
85 57.6 45.8 68.8

99 64.4 49.4 74.0

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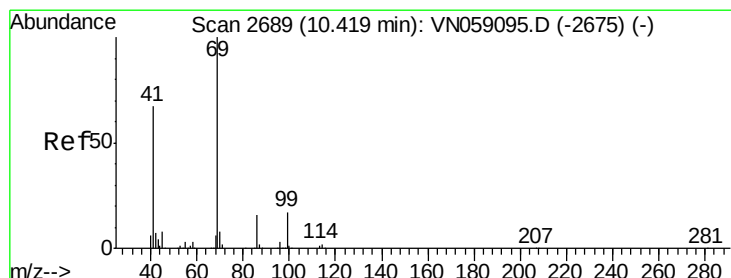
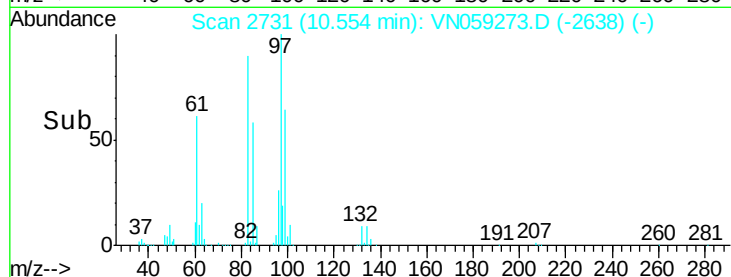
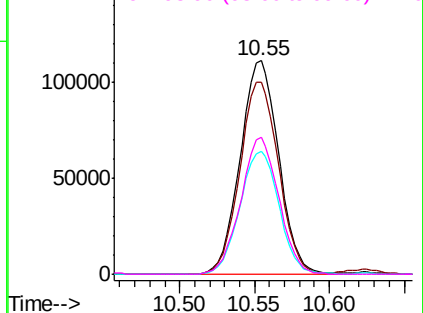


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.046 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion: 69 Resp: 312665

Ion Ratio Lower Upper

69 100

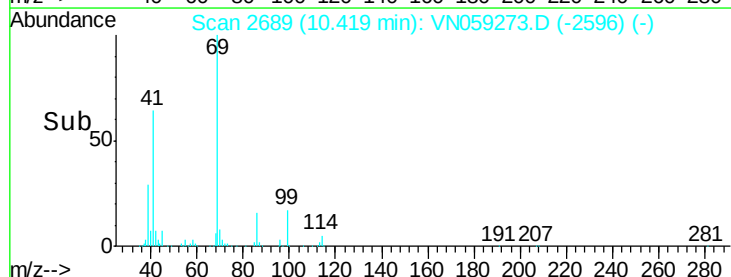
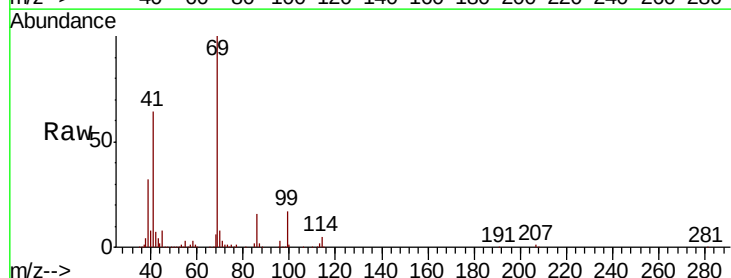
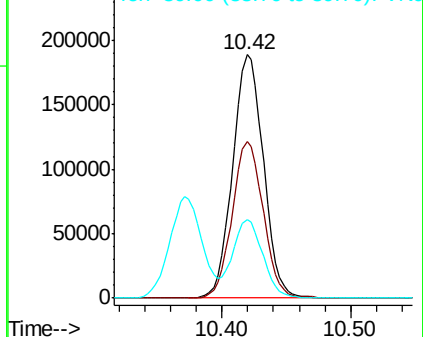
41 64.1 53.6 80.4

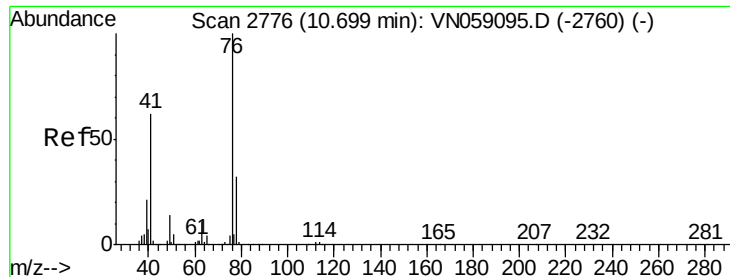
39 31.8 26.2 39.4

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





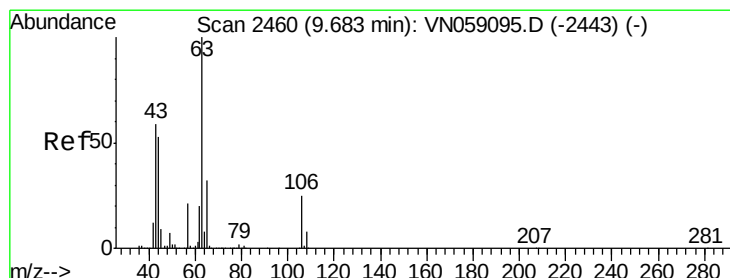
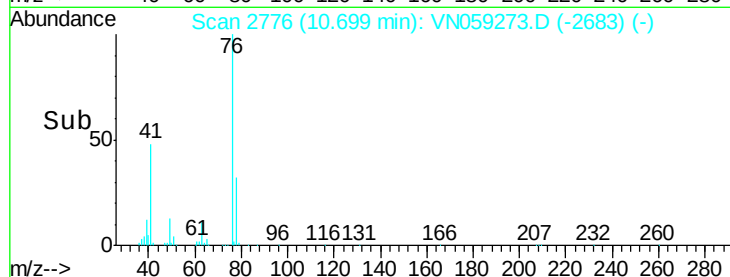
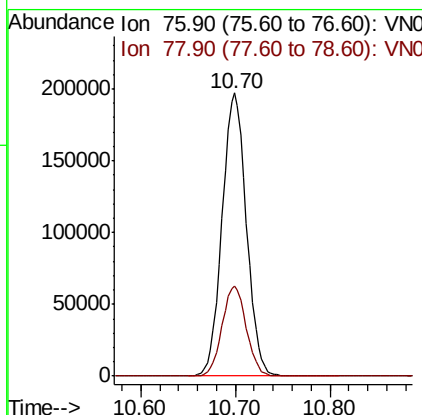
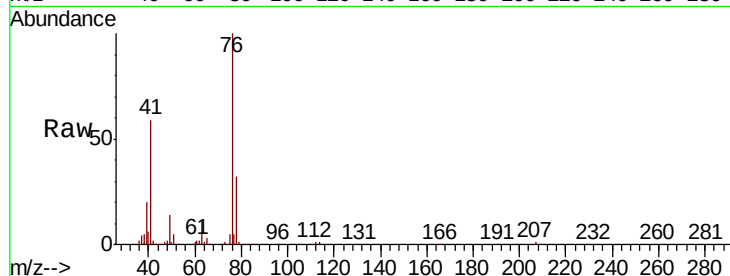
#57
 1,3-Dichloropropane
 Concen: 54.468 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

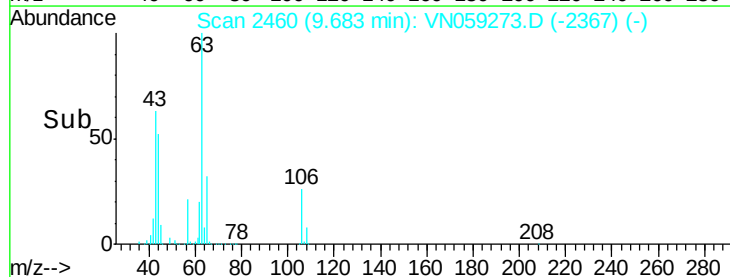
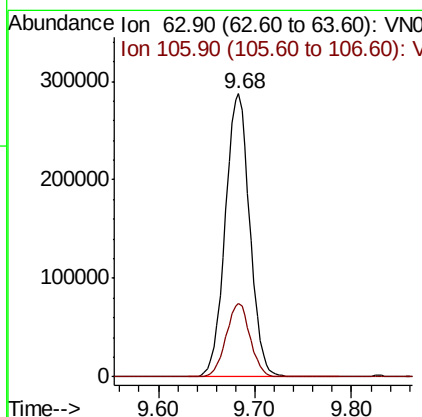
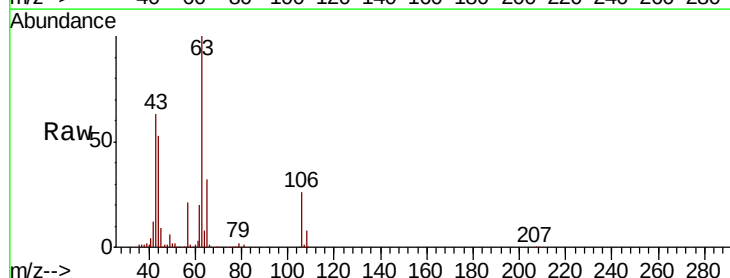
Manual Integrations
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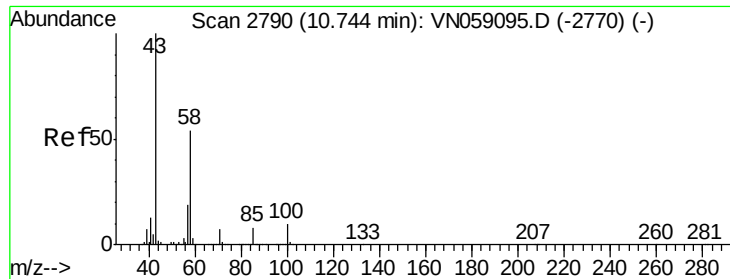
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.338 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	20.2	30.2





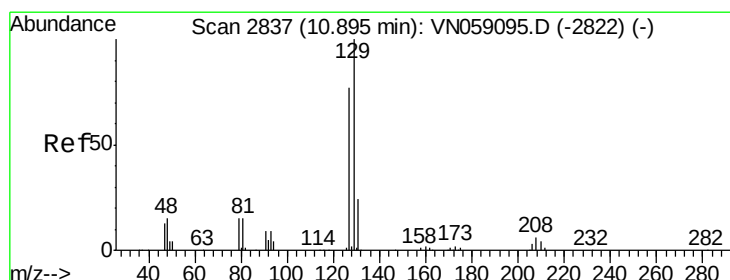
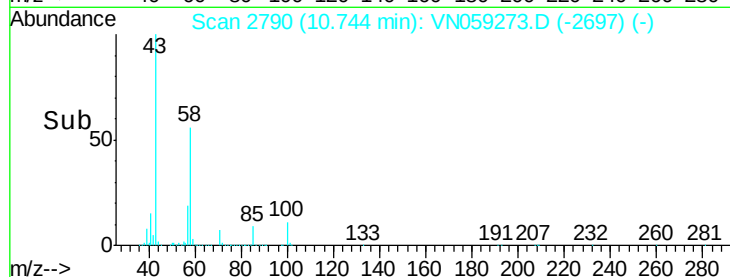
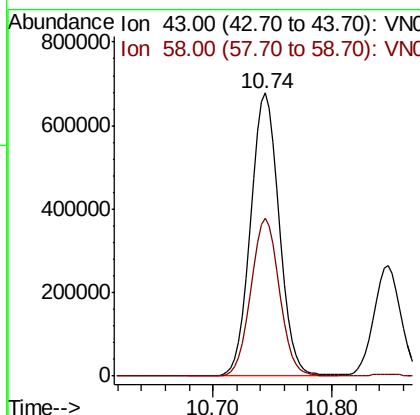
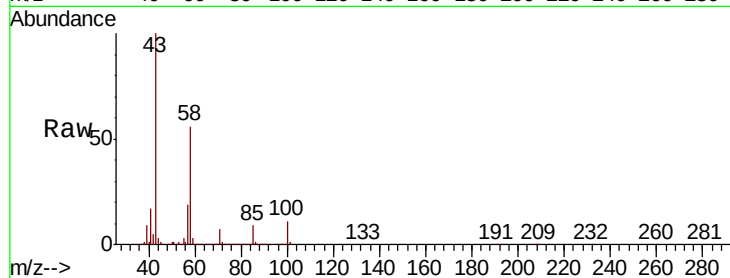
#59
2-Hexanone
Concen: 285.325 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1126928
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.8

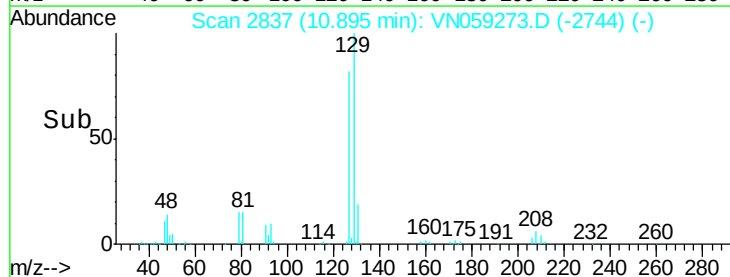
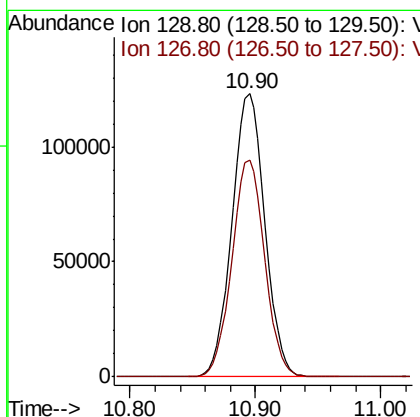
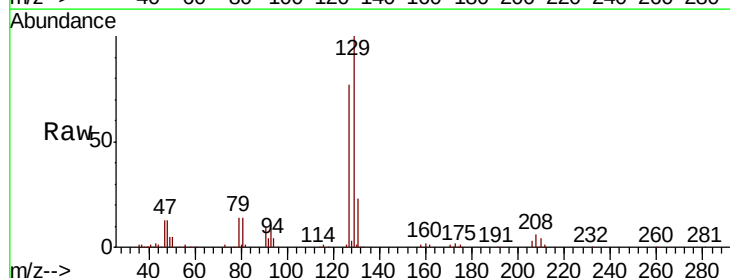
Manual Integrations
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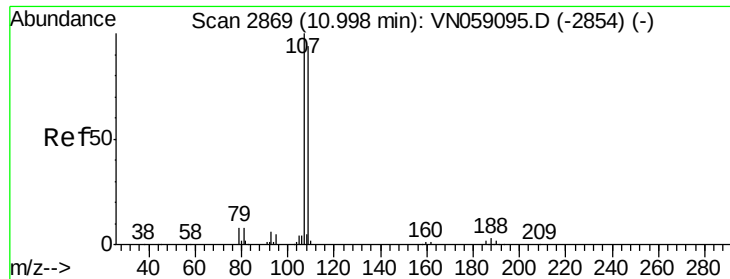
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#60
Dibromochloromethane
Concen: 56.491 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion: 129 Resp: 223715
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





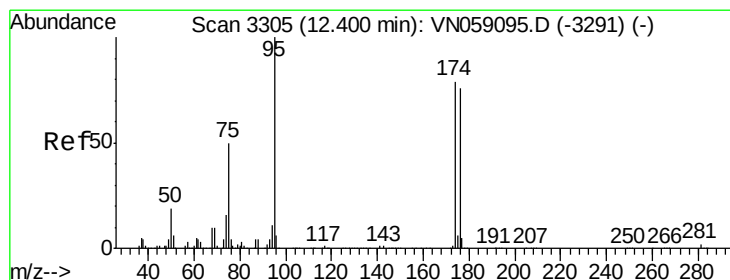
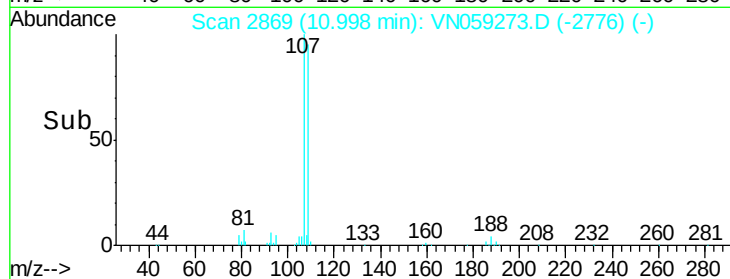
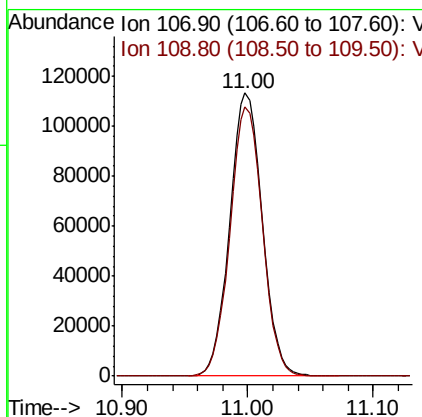
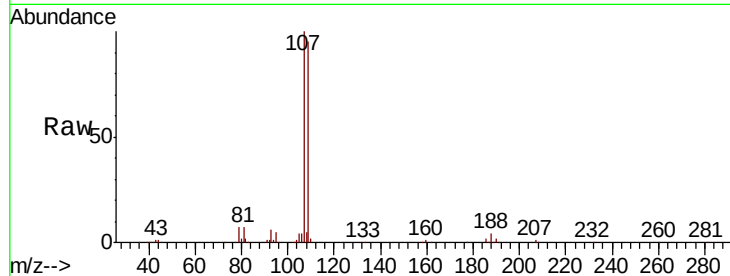
#61
 1,2-Dibromoethane
 Concen: 53.831 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.5	113.3

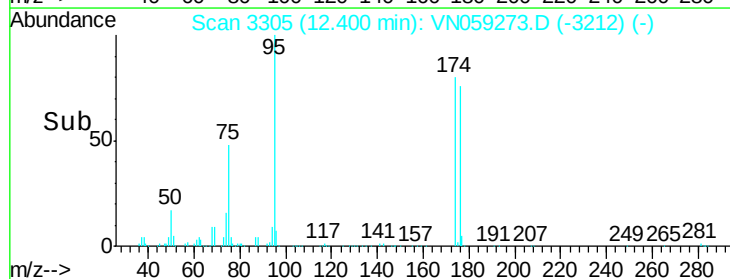
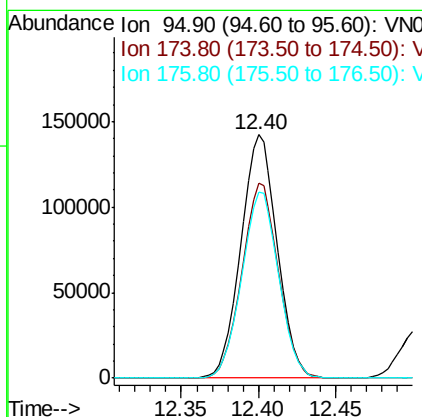
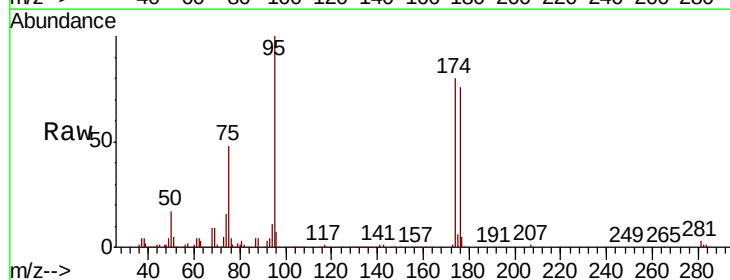
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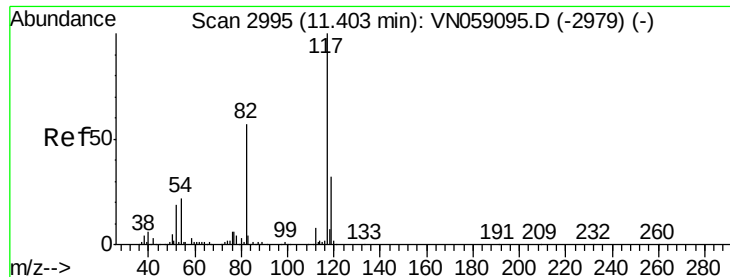
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#62
 4-Bromofluorobenzene
 Concen: 49.838 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	158.2
176	77.9	0.0	151.8





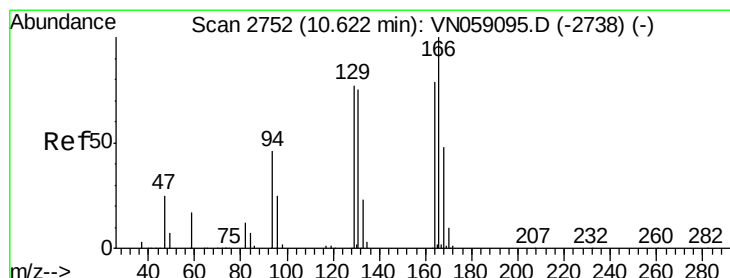
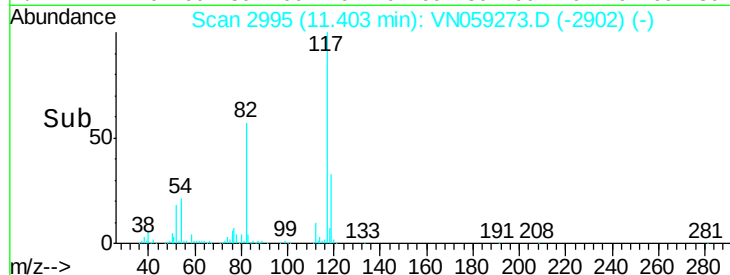
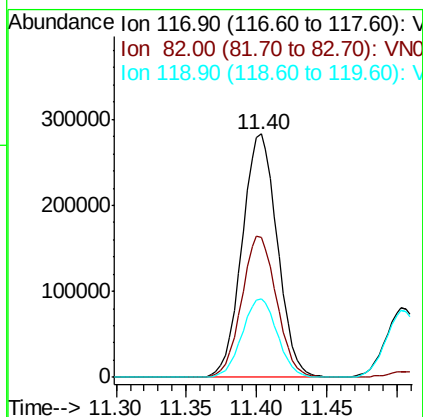
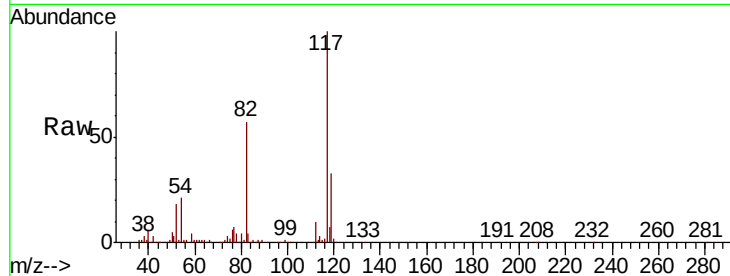
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.8
119	32.5	25.8	38.6

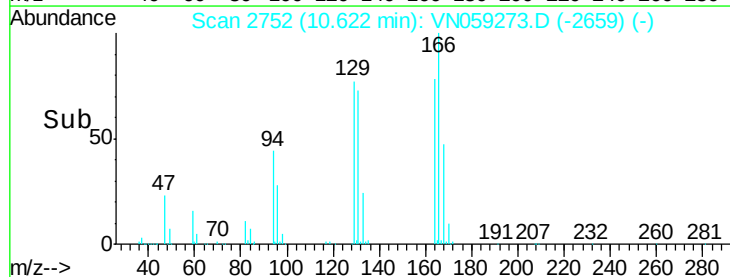
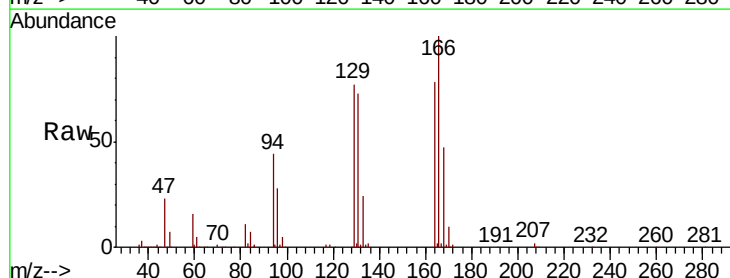
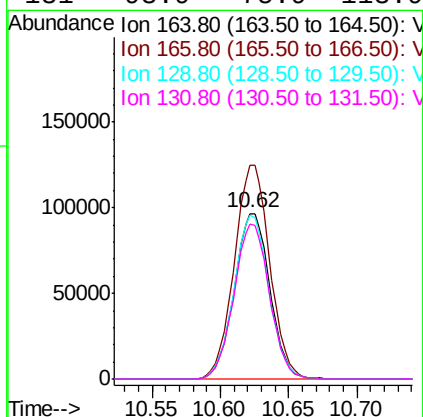
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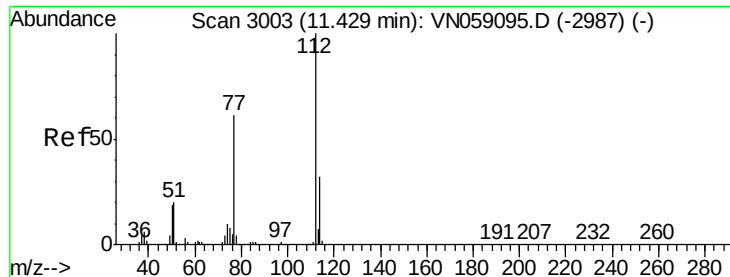
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#64
Tetrachloroethene
Concen: 51.646 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.5	152.3
129	99.2	78.3	117.5
131	93.9	75.9	113.9





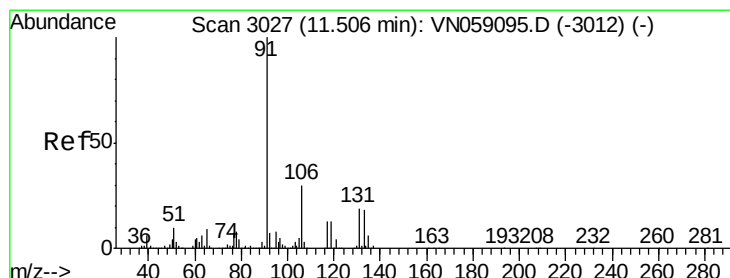
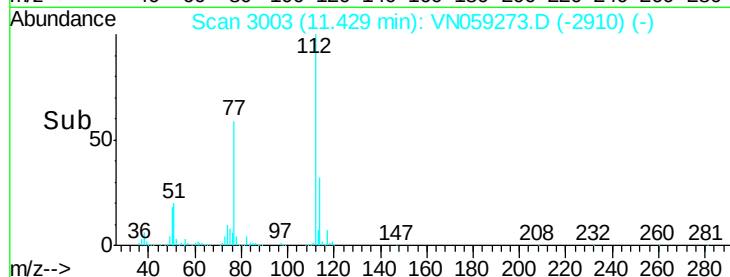
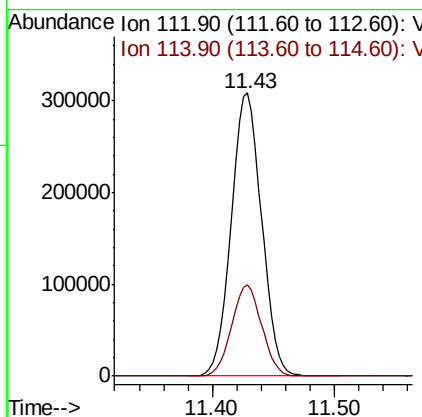
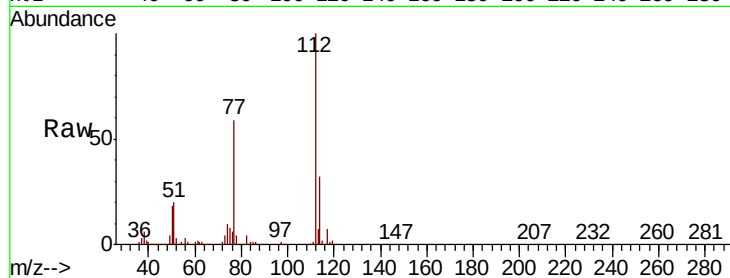
#65
Chlorobenzene
Concen: 55.109 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8

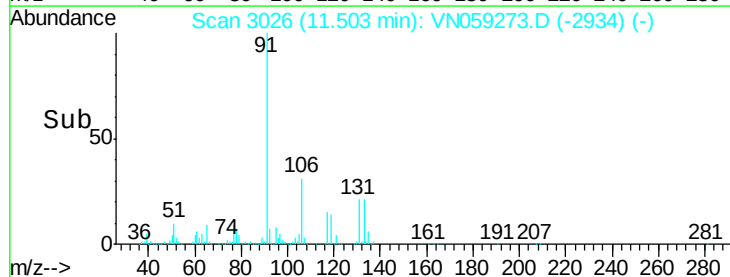
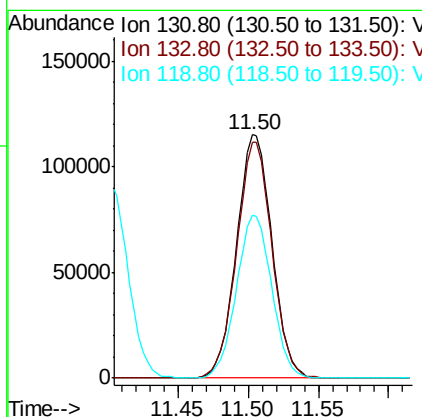
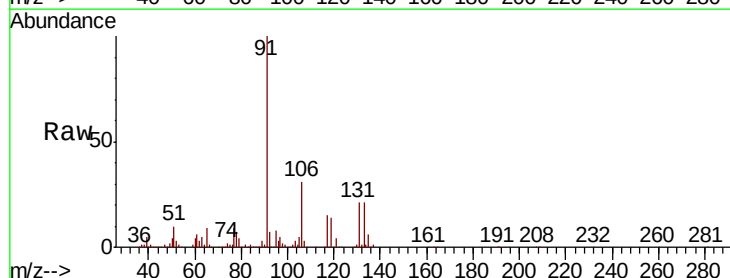
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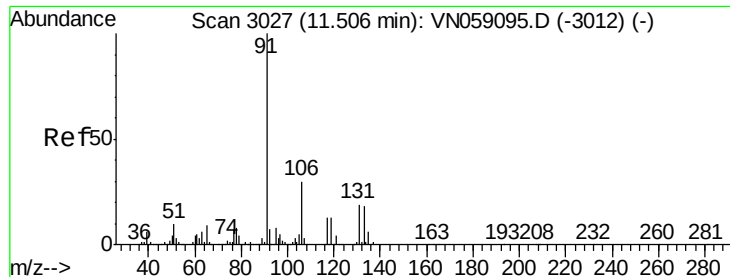
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.855 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.4	142.3
119	66.7	33.2	99.6





#67

Ethyl Benzene

Concen: 56.196 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 963598

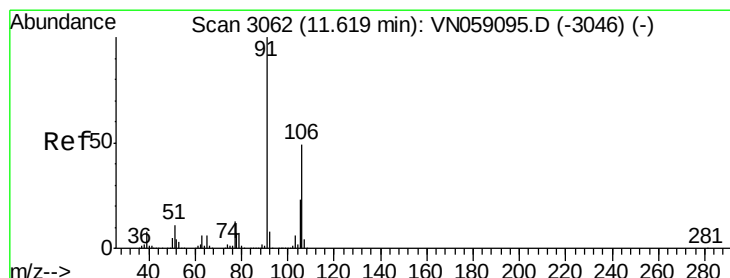
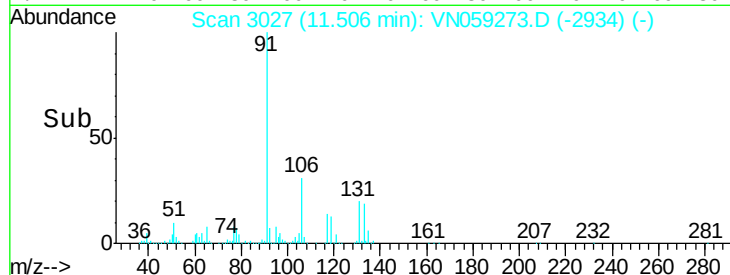
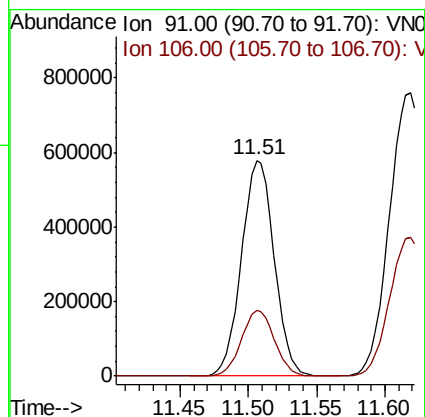
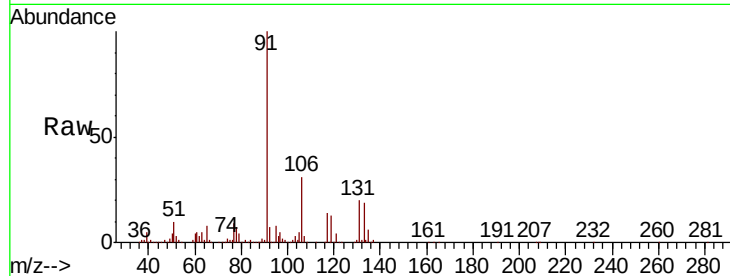
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

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#68

m/p-Xylenes

Concen: 111.295 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059273.D

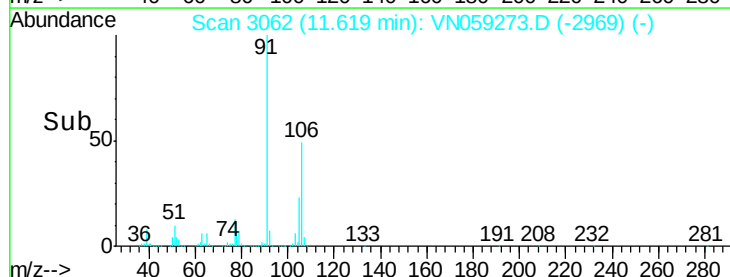
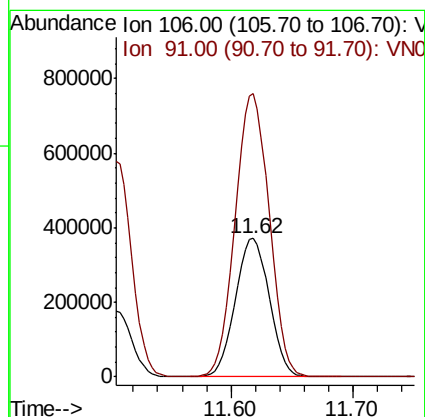
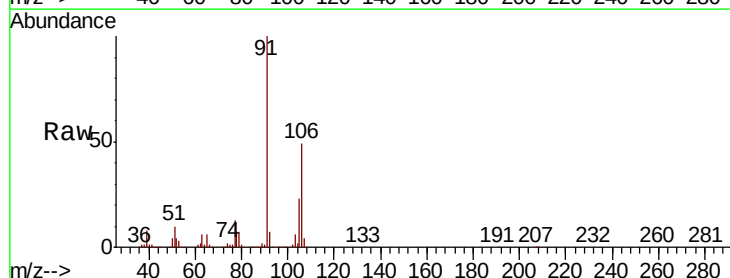
Acq: 18 Nov 2019 10:47

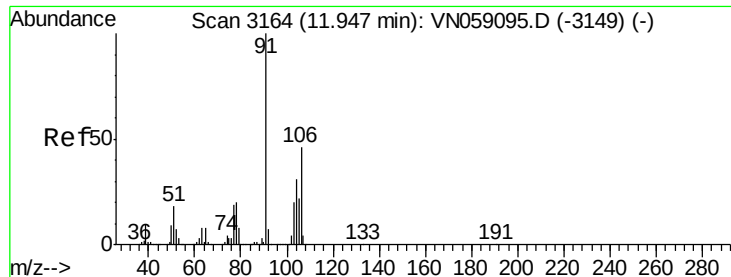
Tgt Ion: 106 Resp: 714854

Ion Ratio Lower Upper

106 100

91 205.8 164.7 247.1





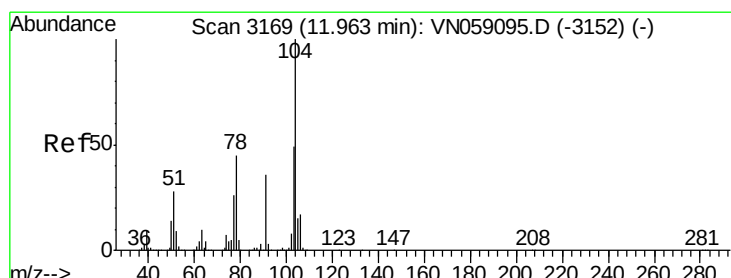
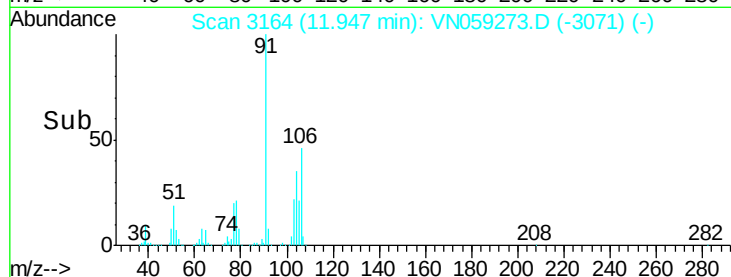
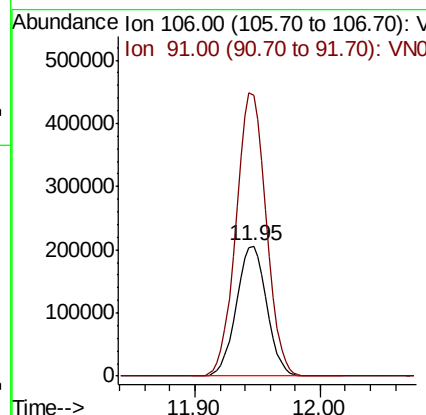
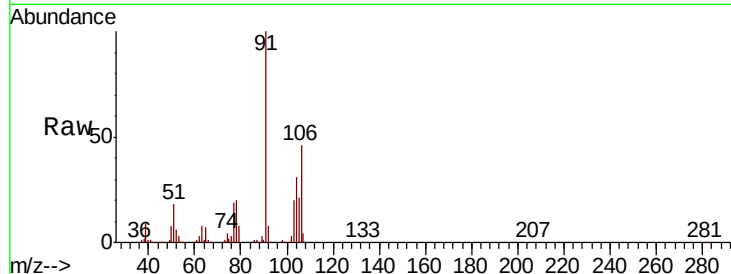
#69
o-Xylene
Concen: 55.597 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
345104	106	100		
	91	216.8	110.1	330.3

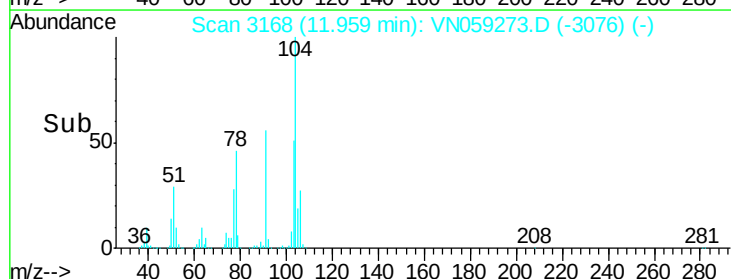
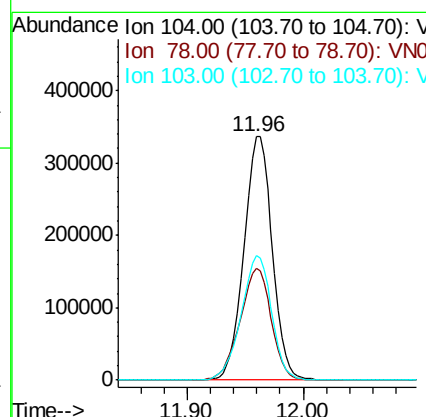
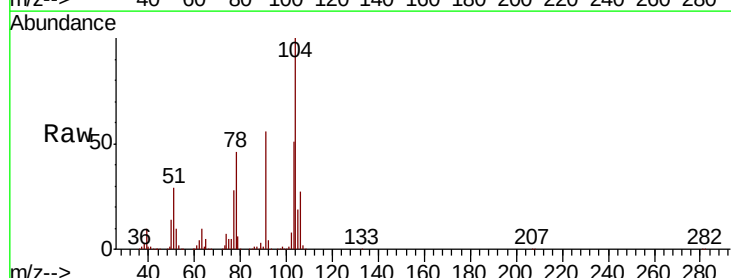
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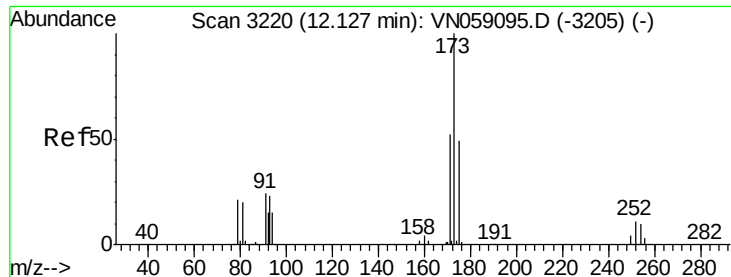
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#70
Styrene
Concen: 58.533 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ion	Ratio	Lower	Upper
571424	104	100		
	78	50.5	41.2	61.8
	103	54.8	43.8	65.6





#71

Bromoform

Concen: 57.425 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

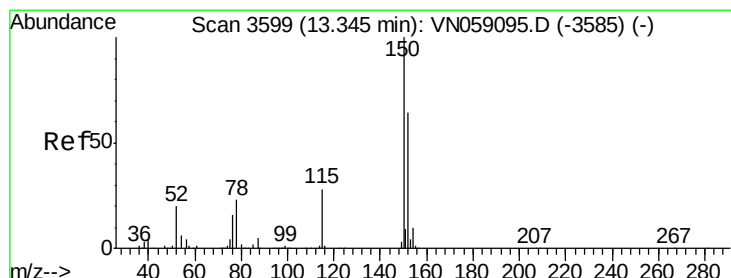
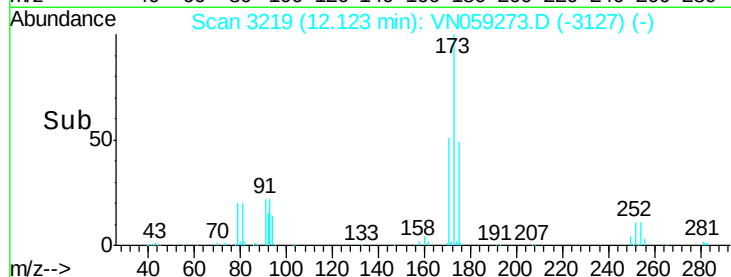
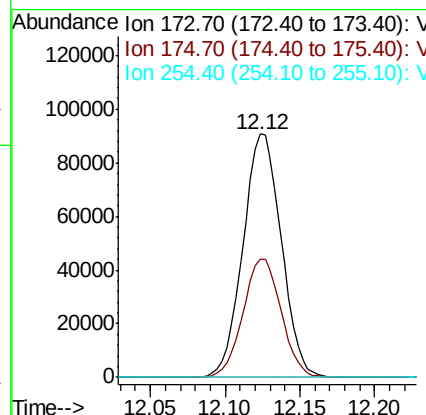
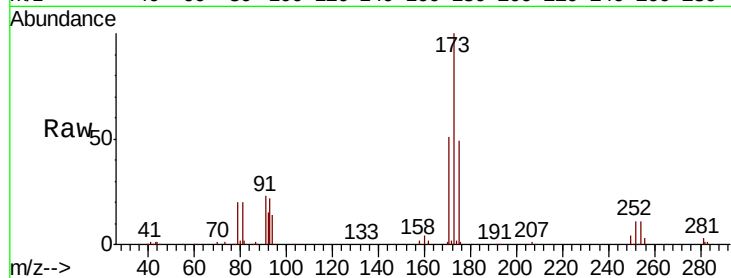
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

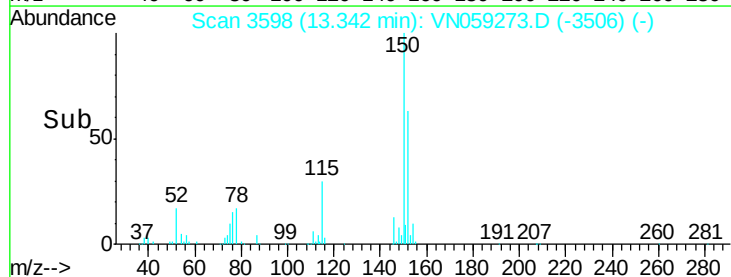
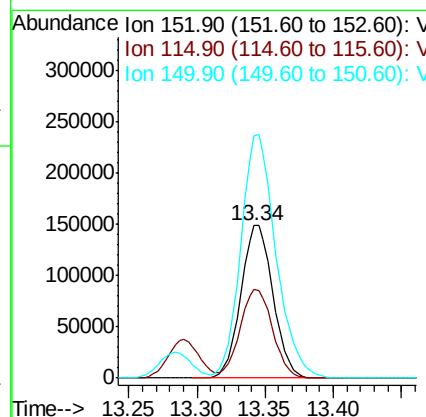
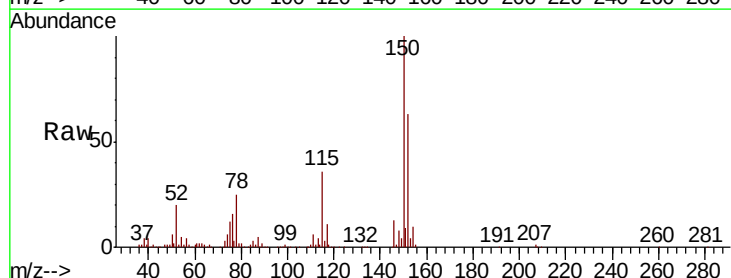
RT: 13.34 min Scan# 3598

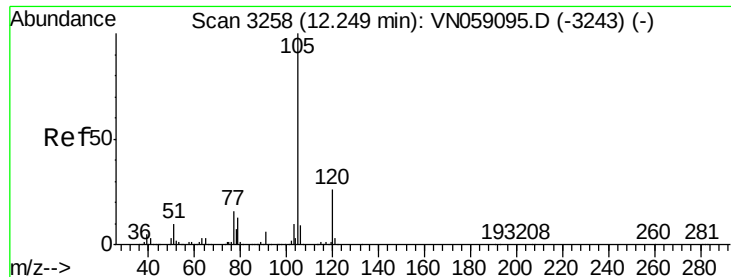
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.4	88.2
150	173.9	0.0	345.8





#73

Isopropylbenzene

Concen: 52.599 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 932270

Ion Ratio Lower Upper

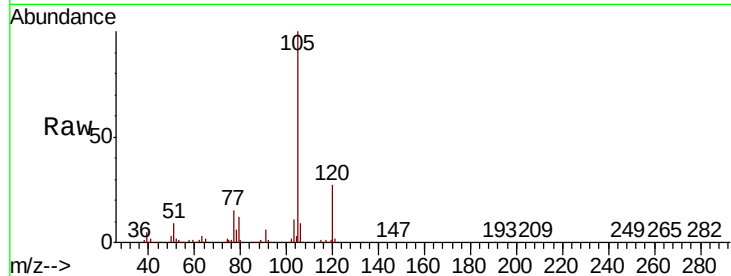
105 100

120 26.5 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

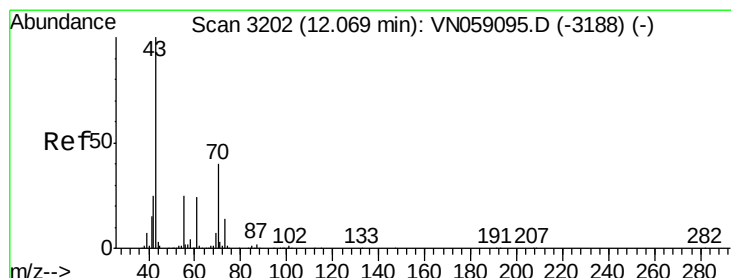
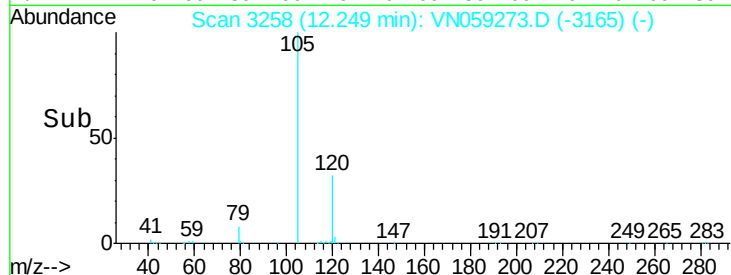
200000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 52.302 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion: 43 Resp: 392803

Ion Ratio Lower Upper

43 100

70 42.8 32.2 48.4

55 26.5 20.4 30.6

61 24.6 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

400000

300000

200000

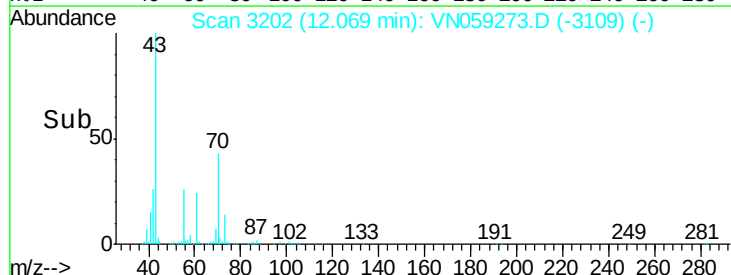
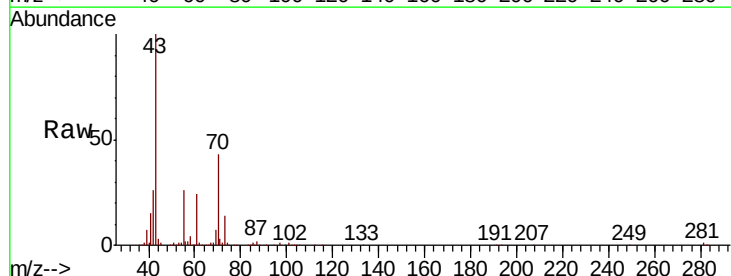
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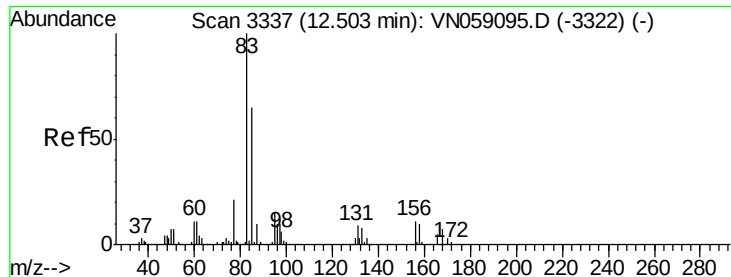
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

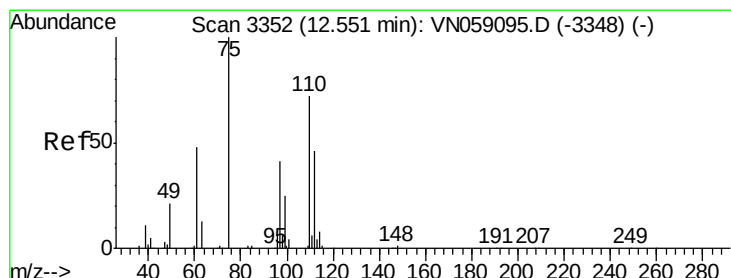
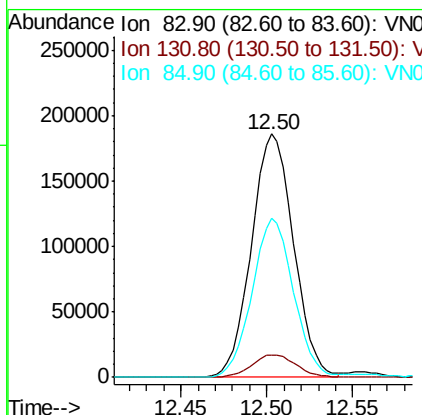
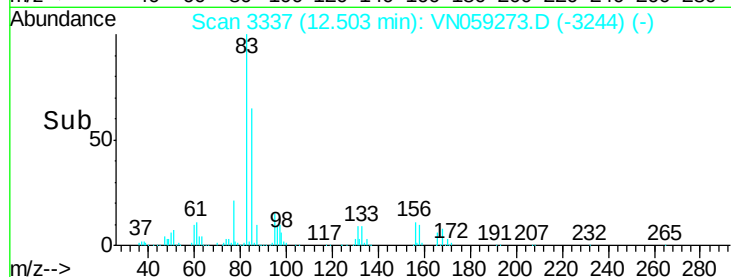
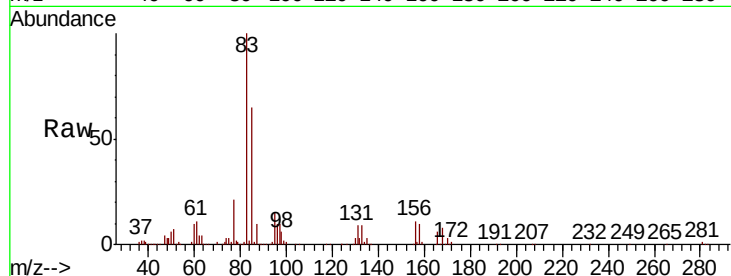
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	315817
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 57.180 ug/l m

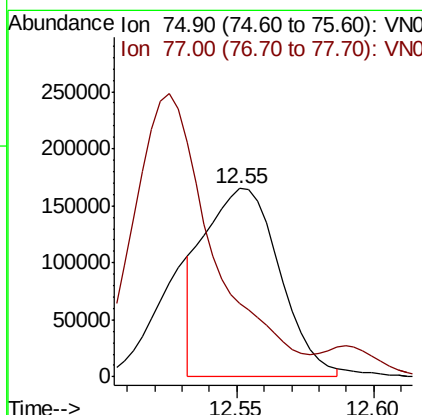
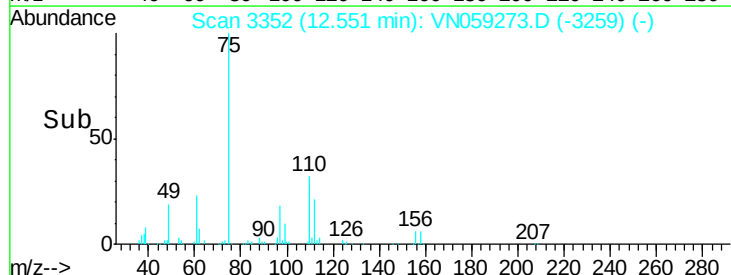
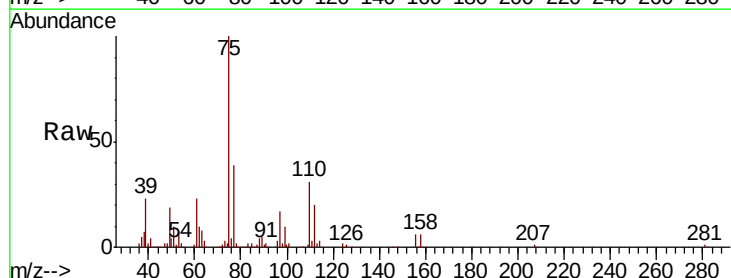
RT: 12.55 min Scan# 3352

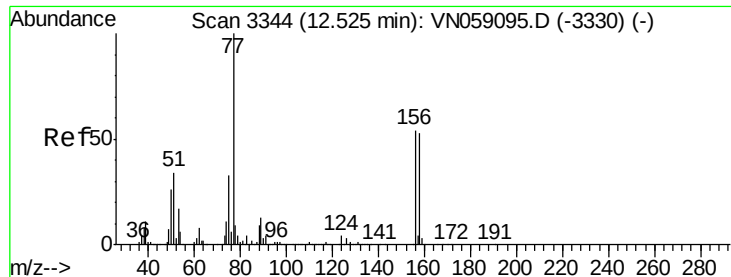
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	75	Resp:	317200
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.705 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

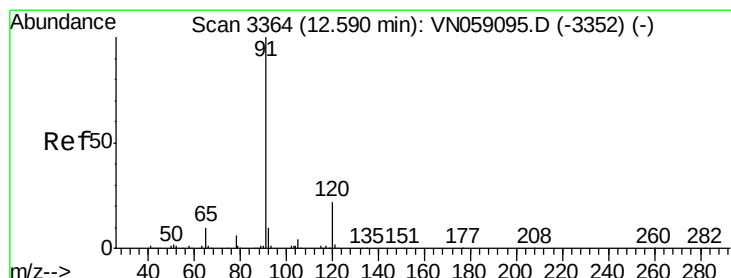
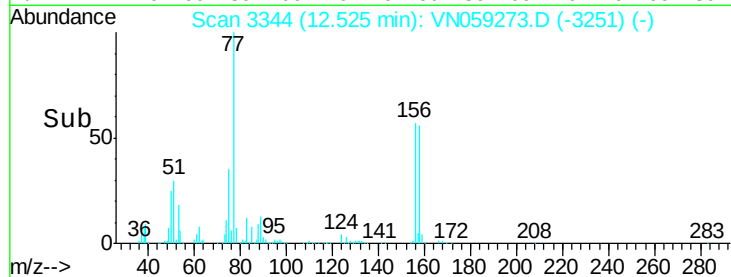
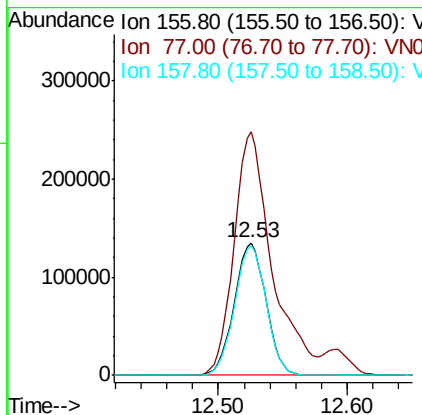
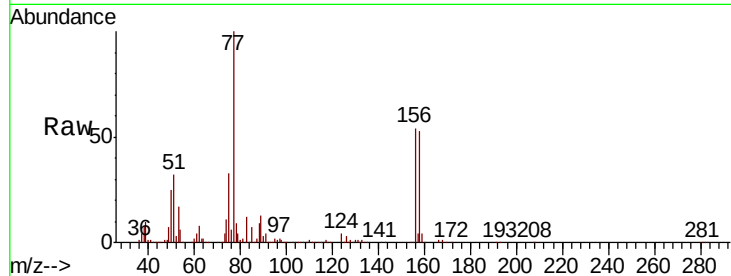
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.4	112.8	338.3
158	97.1	48.4	145.3

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#78

n-propylbenzene

Concen: 54.179 ug/l

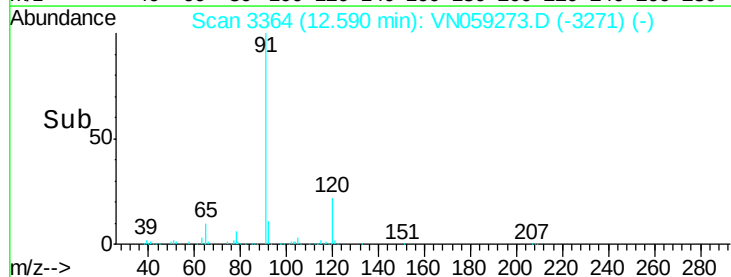
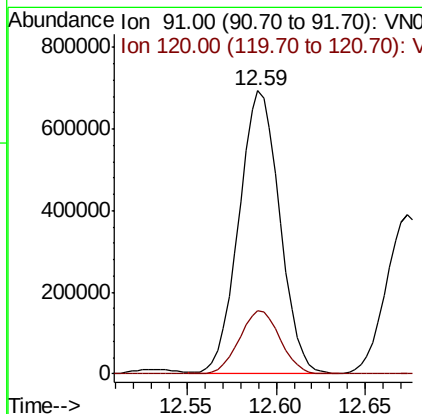
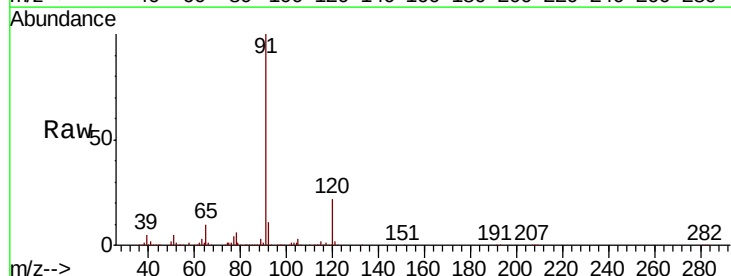
RT: 12.59 min Scan# 3364

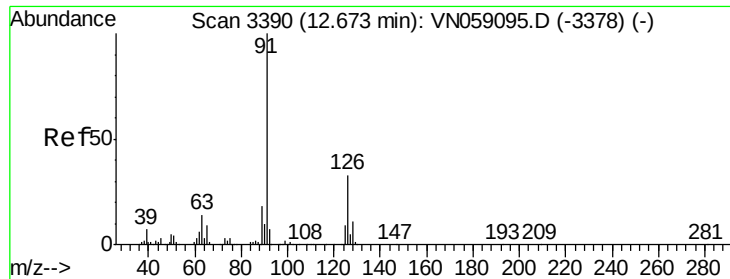
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 51.821 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 652394

Ion Ratio Lower Upper

91 100

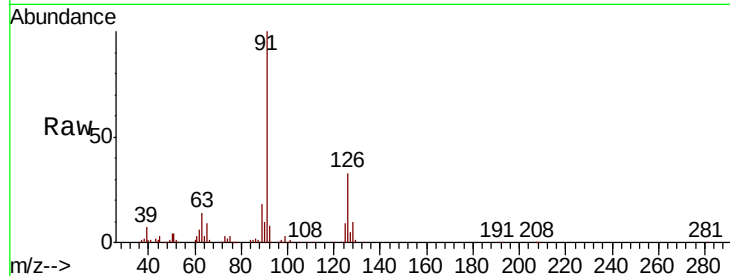
126 33.0 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059273.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059273.D (-3397) (-)

600000

400000

200000

0

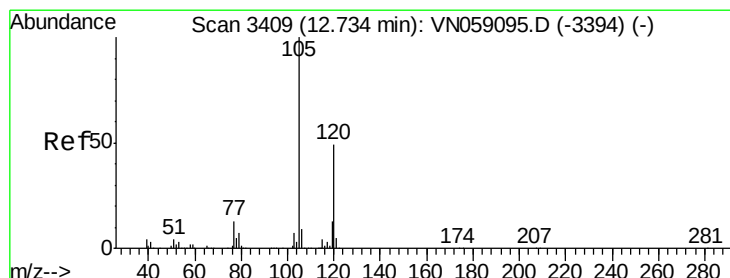
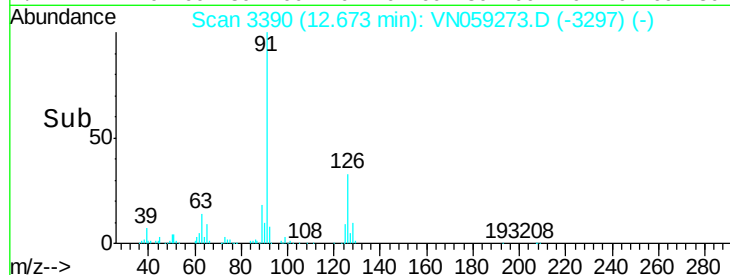
12.67

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.546 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059273.D

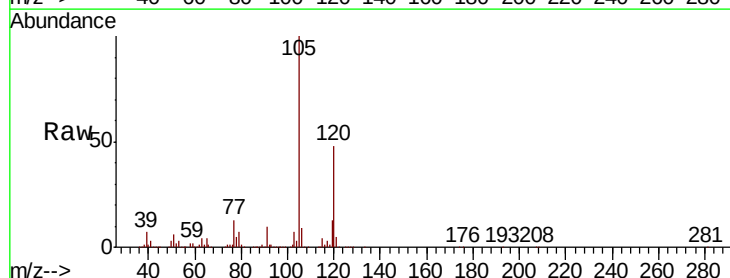
Acq: 18 Nov 2019 10:47

Tgt Ion: 105 Resp: 804178

Ion Ratio Lower Upper

105 100

120 48.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059273.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059273.D (-3316) (-)

600000

500000

400000

300000

200000

100000

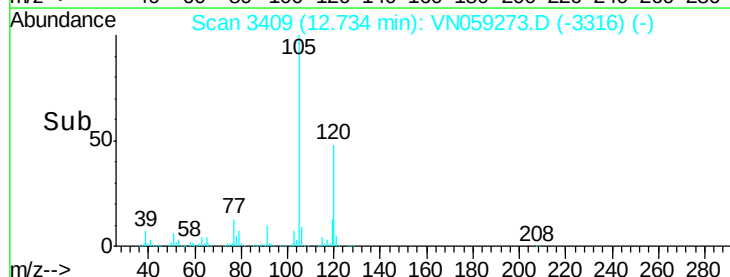
0

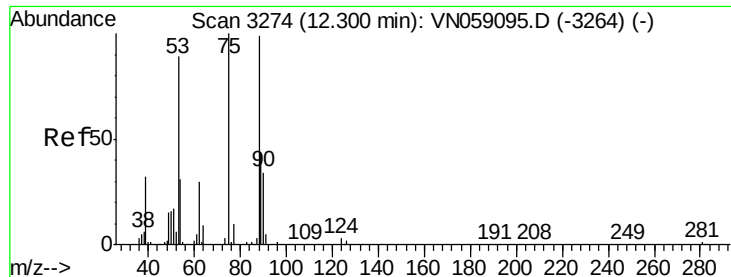
12.73

12.70

12.80

Time-->





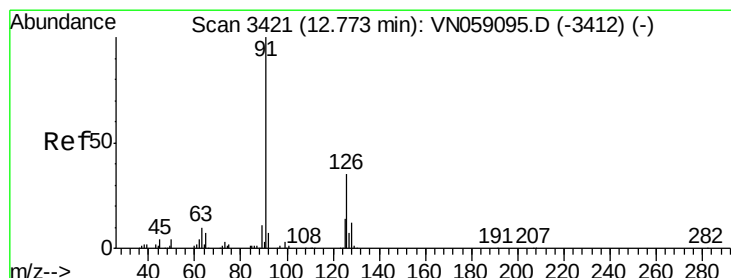
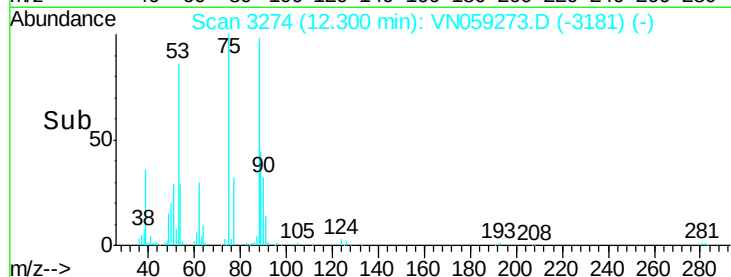
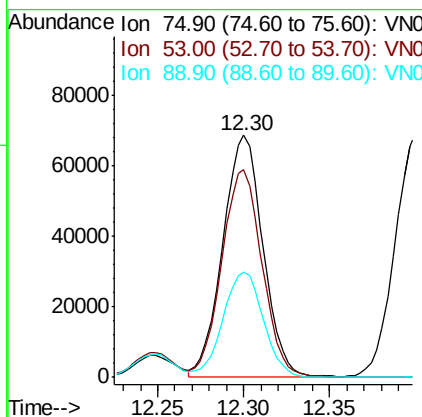
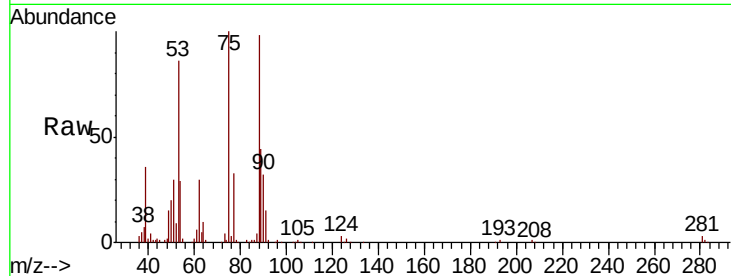
#81
trans-1,4-Dichloro-2-butene
Concen: 52.540 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	72.2	108.2
89	44.2	35.8	53.8

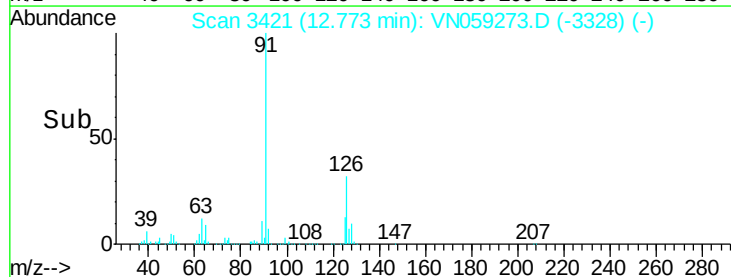
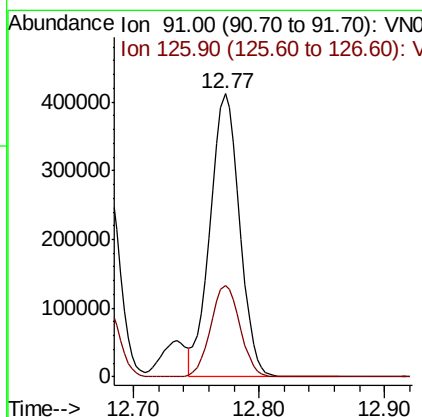
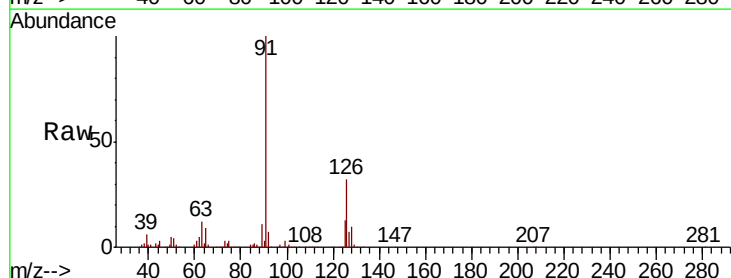
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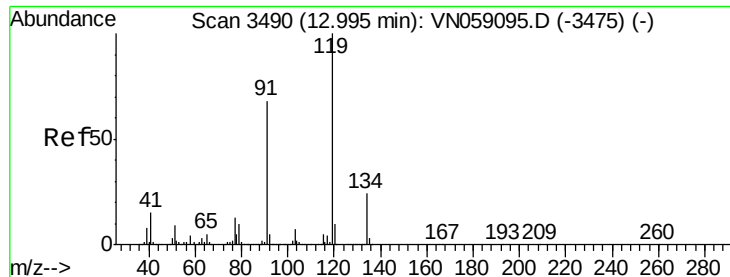
MMDADODA
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#82
4-Chlorotoluene
Concen: 53.049 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





#83

tert-Butylbenzene

Concen: 53.420 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

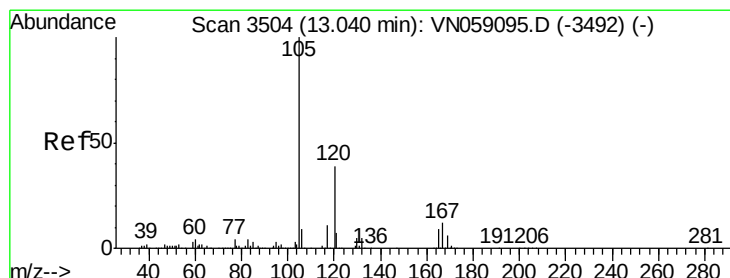
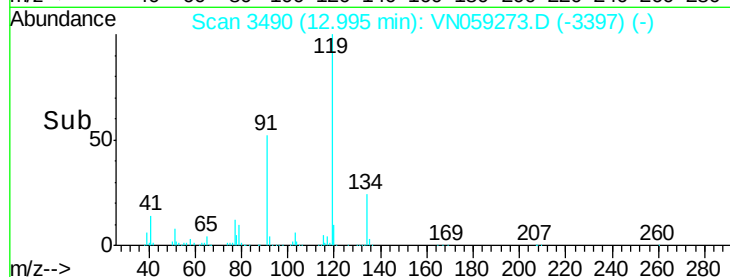
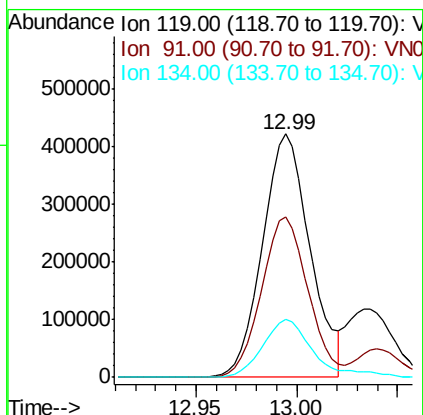
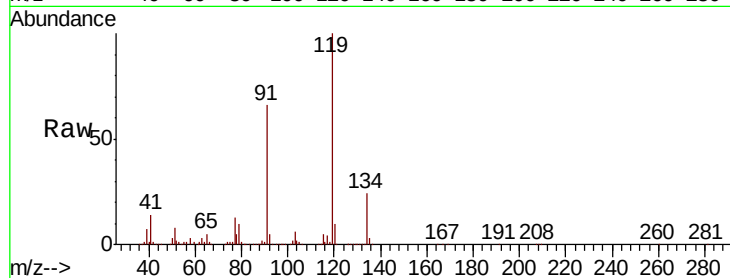
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	692834
Ion Ratio	Lower	Upper	
119	100		
91	64.5	33.2	99.6
134	25.3	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 55.269 ug/l

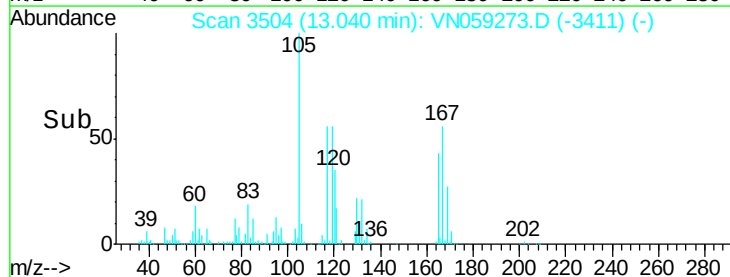
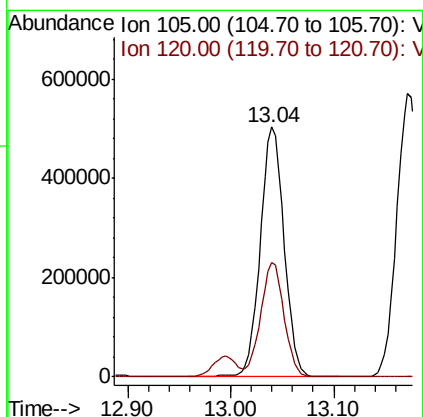
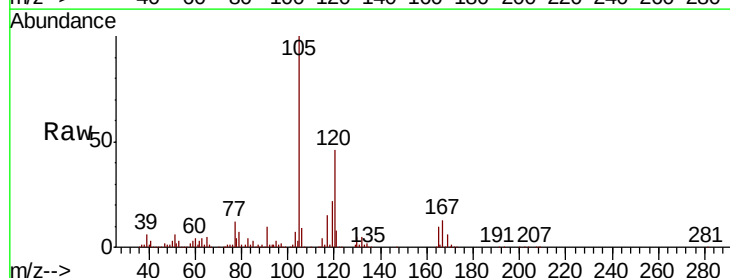
RT: 13.04 min Scan# 3504

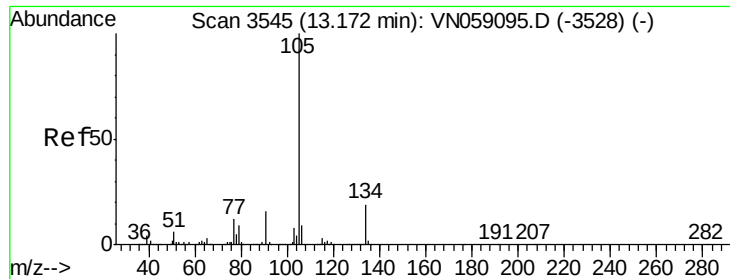
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	105	Resp:	803079
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 54.549 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 920116

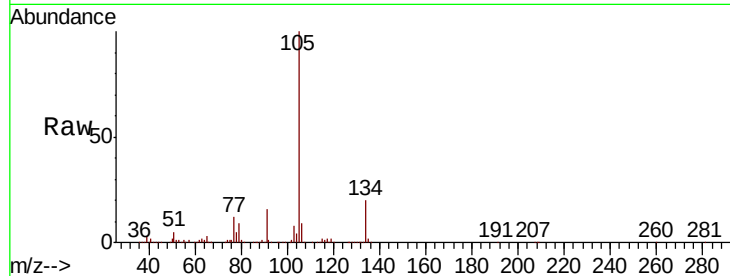
Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

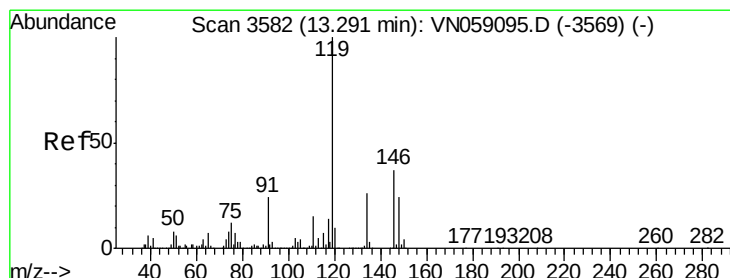
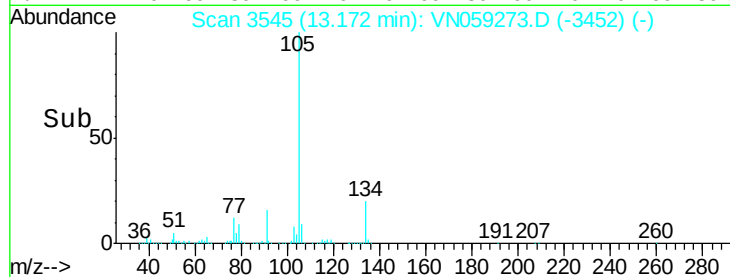
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.438 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

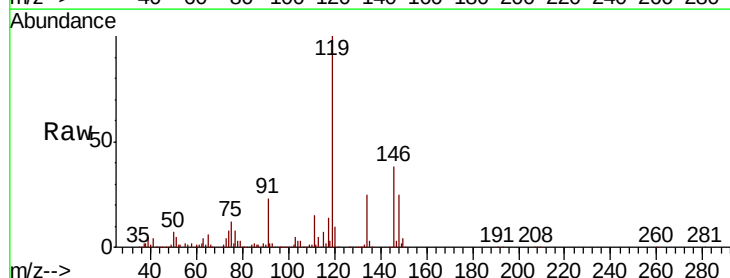
Tgt Ion:119 Resp: 840558

Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 22.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

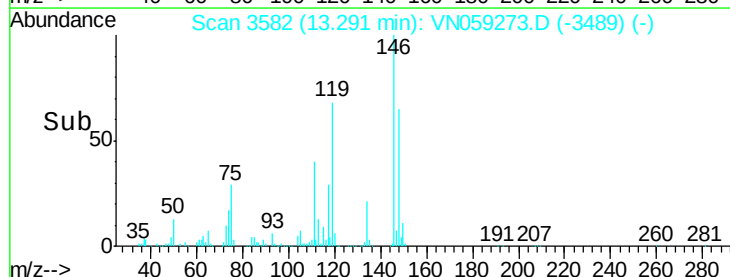
600000

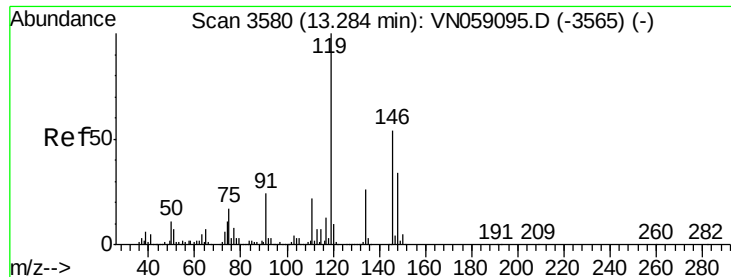
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.595 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

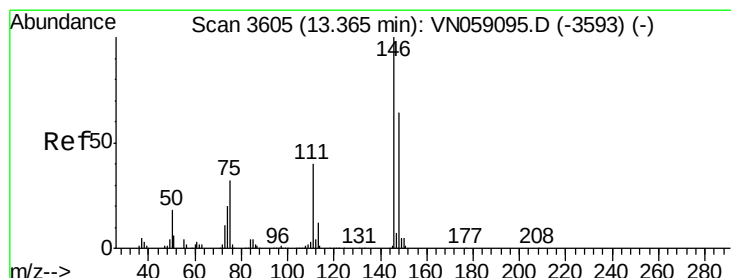
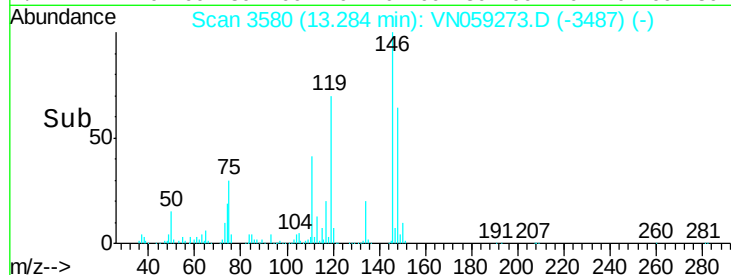
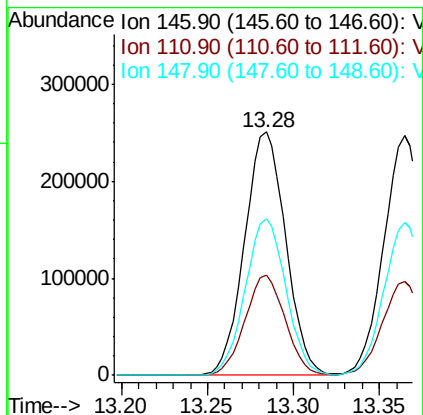
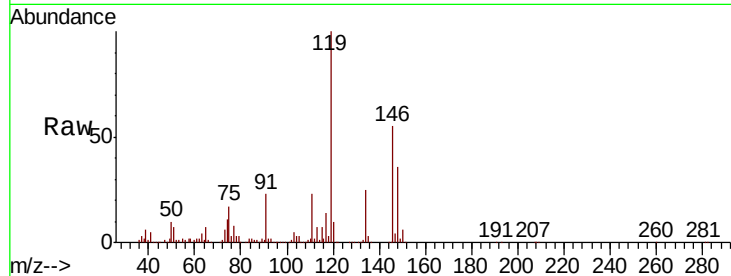
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	416306
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.4	61.3
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.105 ug/l

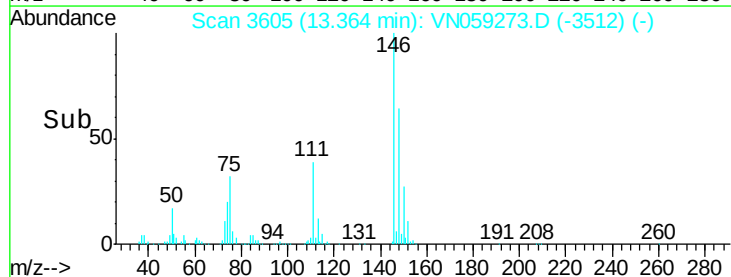
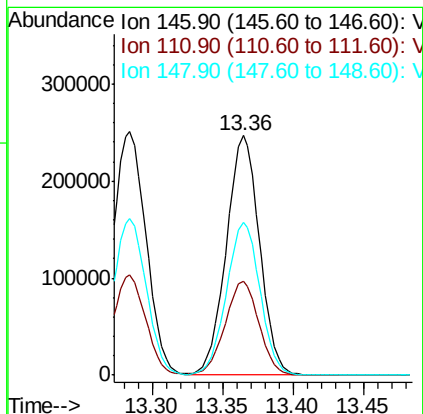
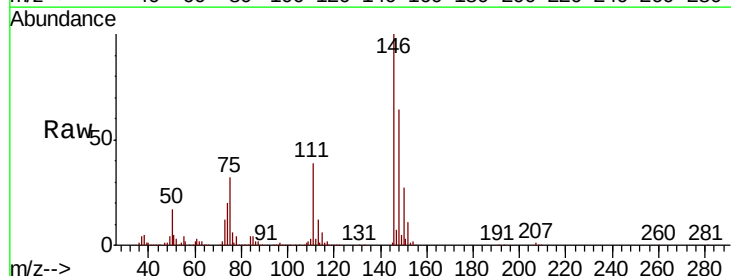
RT: 13.36 min Scan# 3605

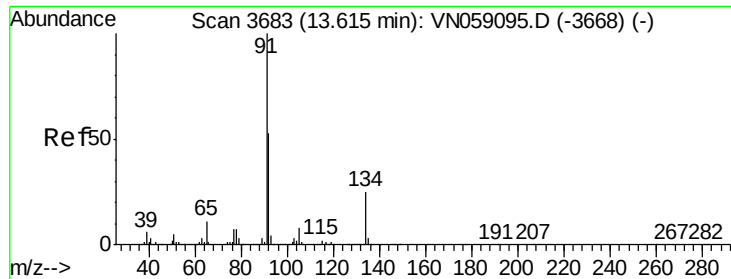
Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	146	Resp:	405161
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.3	60.9
148	64.3	31.9	95.7





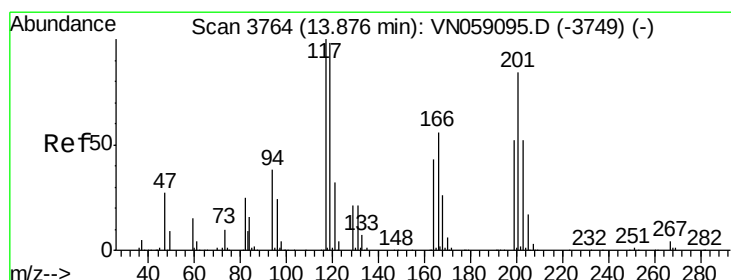
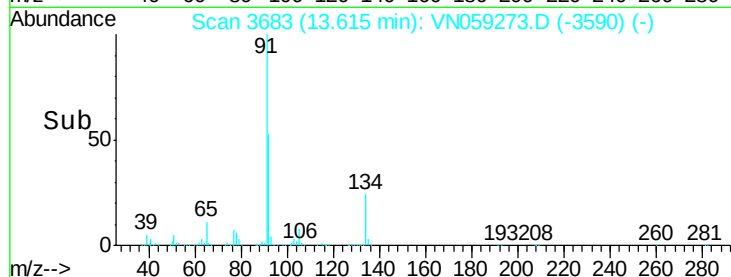
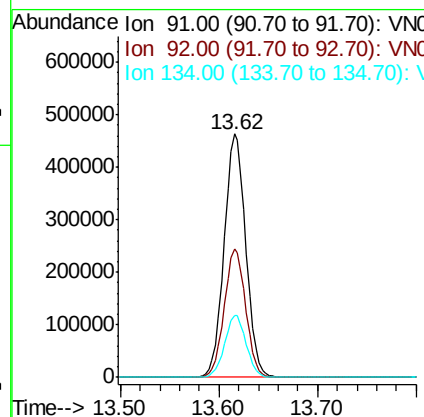
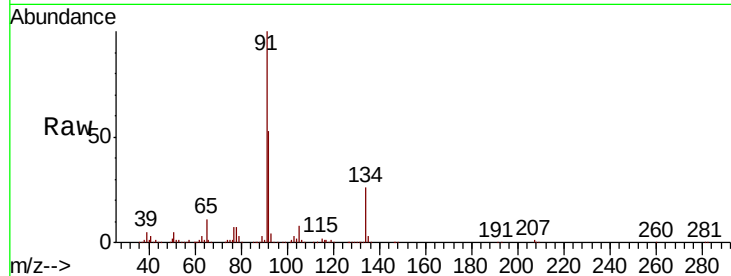
#89
n-Butylbenzene
Concen: 54.960 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	25.3	12.6	37.8

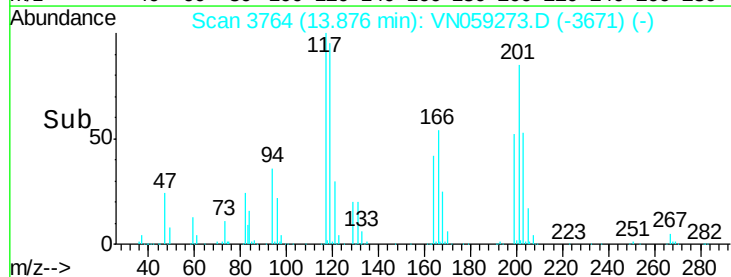
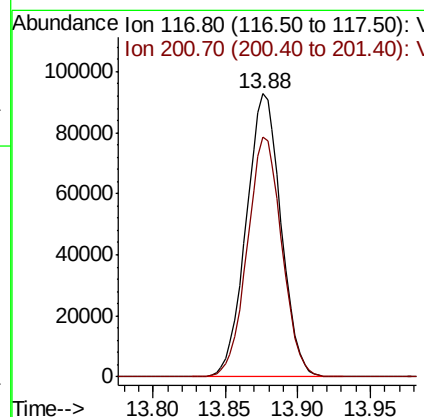
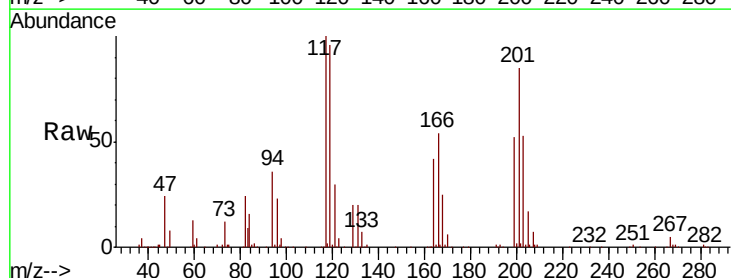
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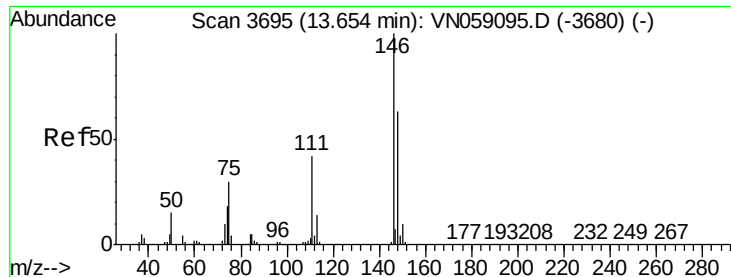
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#90
Hexachloroethane
Concen: 51.817 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059273.D
Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 54.317 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

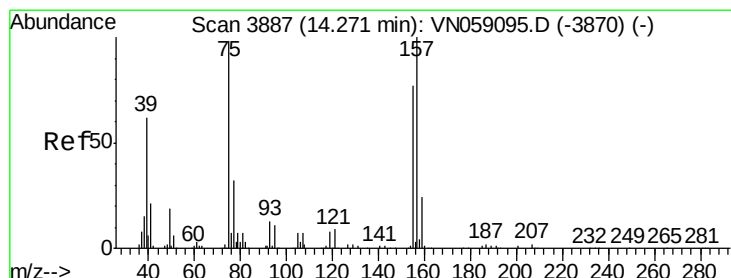
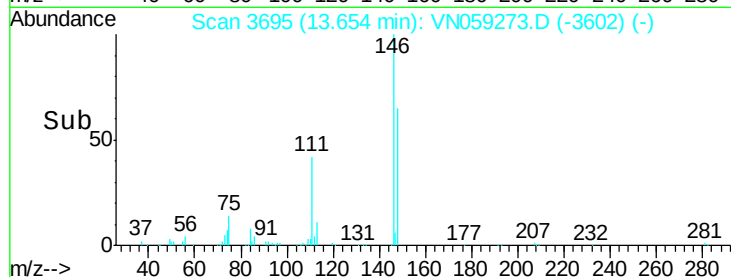
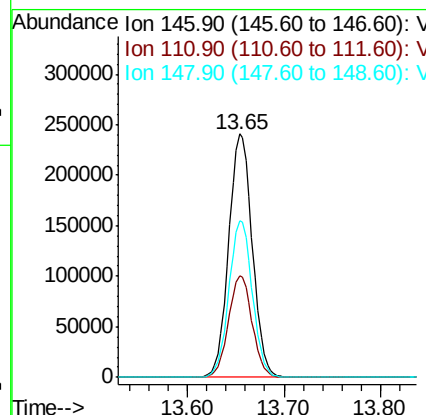
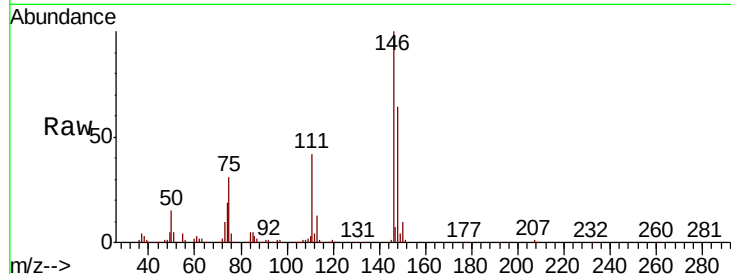
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	407440
Ion Ratio		Lower	Upper
146	100		
111	41.7	21.2	63.6
148	63.9	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.562 ug/l

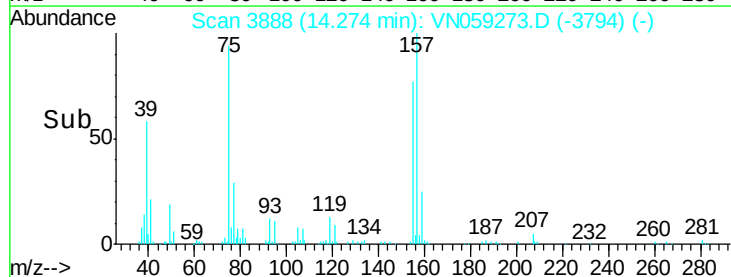
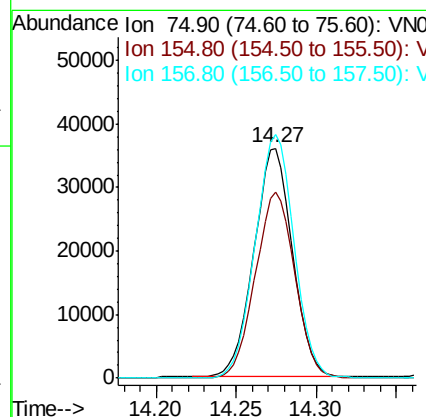
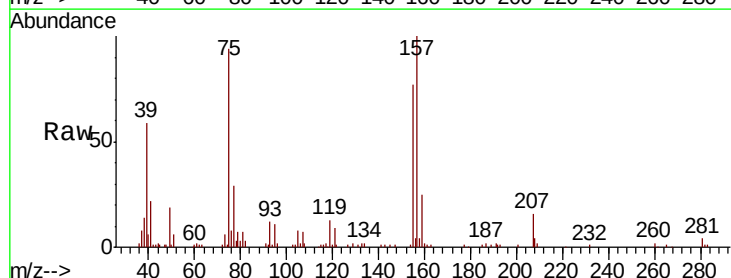
RT: 14.27 min Scan# 3888

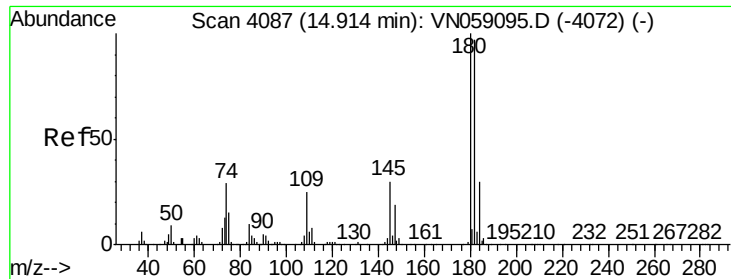
Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Tgt Ion:	75	Resp:	59683
Ion Ratio		Lower	Upper
75	100		
155	83.0	40.2	120.6
157	107.4	51.8	155.5





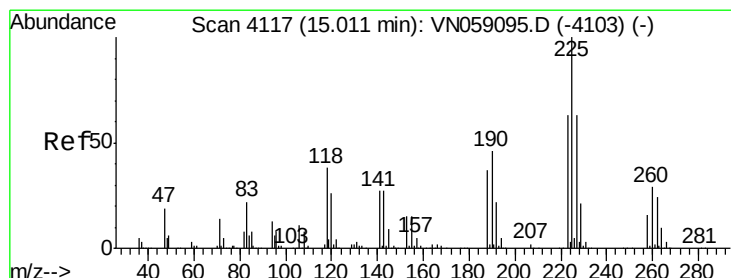
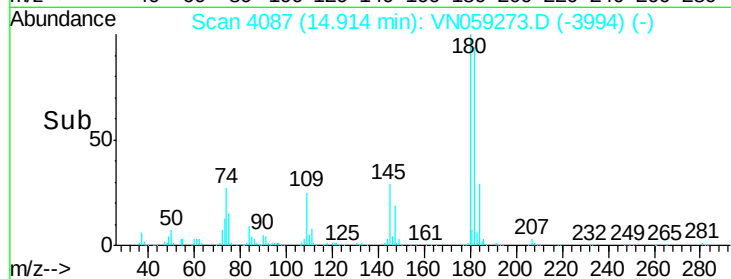
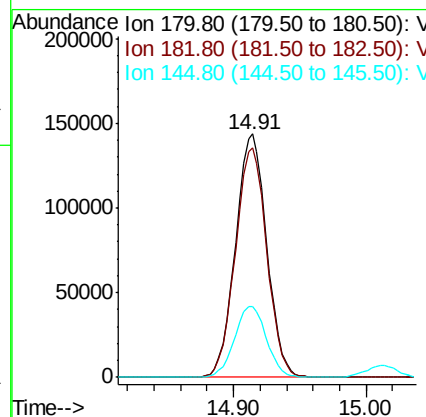
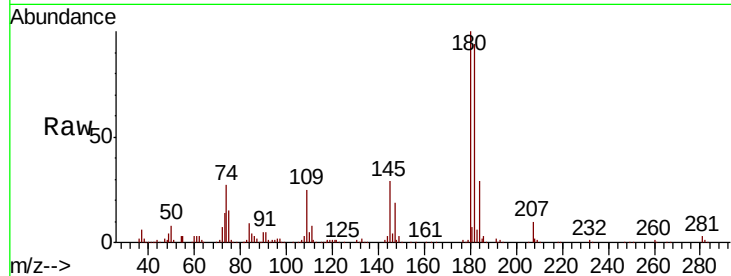
#93
 1,2,4-Trichlorobenzene
 Concen: 51.348 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234085		
182	95.2	48.1	144.3	
145	29.8	15.1	45.3	

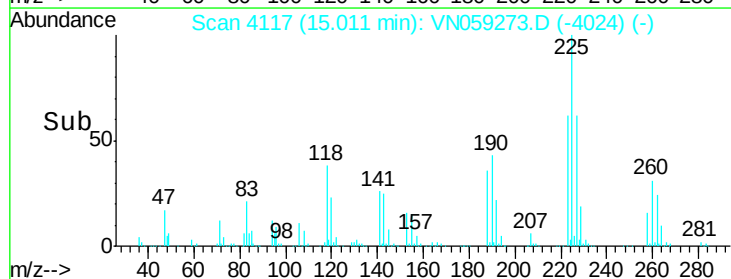
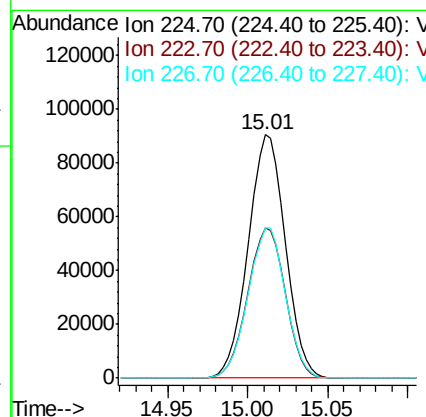
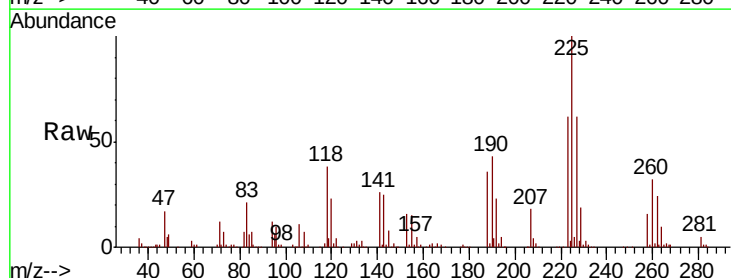
Manual Integrations
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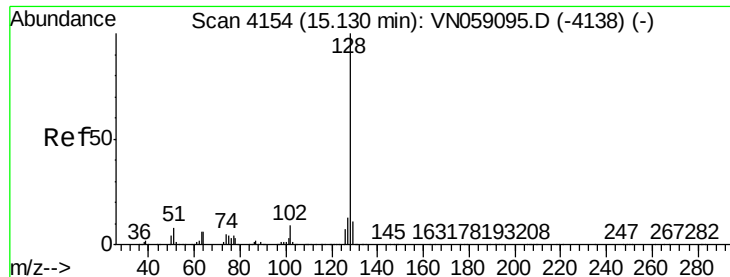
MMDADODA
 11/19/2019 10:59:28 AM



#94
 Hexachlorobutadiene
 Concen: 55.494 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059273.D
 Acq: 18 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143531		
223	62.4	31.3	93.9	
227	62.3	31.5	94.5	





#95

Naphthalene

Concen: 48.475 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059273.D

Acq: 18 Nov 2019 10:47

Instrument :

MSVOA_N

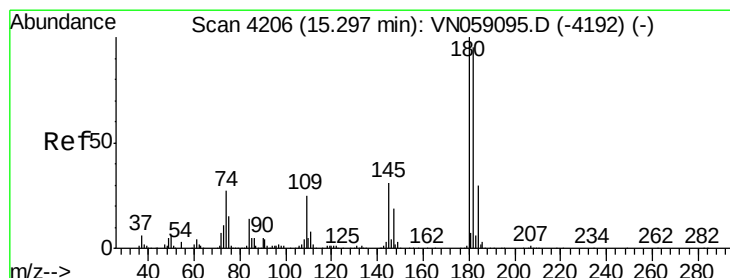
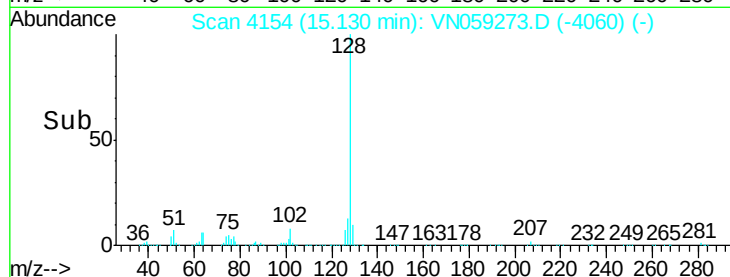
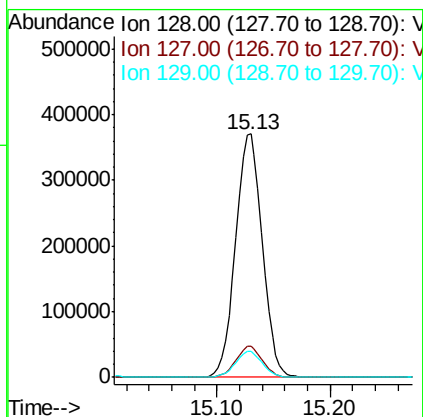
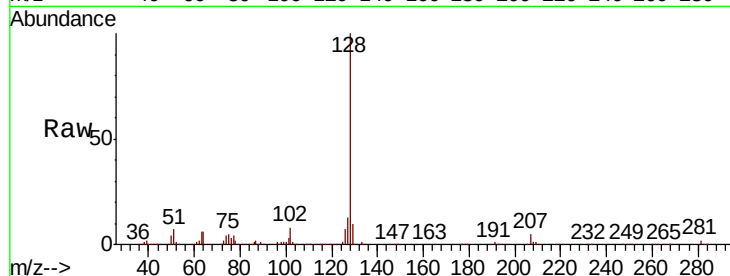
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	610820
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDADODA
11/19/2019 10:59:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.259 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

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Tgt Ion:	180	Resp:	232298
Ion Ratio		Lower	Upper
180	100		
182	96.0	47.3	141.8
145	31.7	15.8	47.3

