

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062399.D
 Acq On : 8 Jul 2020 10:38
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:10 AM

Quant Time: Jul 08 11:59:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	196176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	343949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	309848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126186	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	16430	4.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.56%		
35) Dibromofluoromethane	7.55	113	11346	4.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.86%		
50) Toluene-d8	10.06	98	43666	5.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.10%		
62) 4-Bromofluorobenzene	12.38	95	15187	4.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.24%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	10911	4.959	ug/l	94
3) Chloromethane	2.04	50	17541	5.297	ug/l	98
4) Vinyl Chloride	2.16	62	14408	5.115	ug/l	98
5) Bromomethane	2.52	94	7834	5.381	ug/l	95
6) Chloroethane	2.66	64	8522	5.190	ug/l #	85
7) Trichlorofluoromethane	2.98	101	17640	4.624	ug/l	98
8) Diethyl Ether	3.38	74	7723	5.081	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	10745	4.948	ug/l	98
10) Methyl Iodide	3.91	142	11705	4.441	ug/l	98
11) Tert butyl alcohol	4.74	59	14159	28.917	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	11150	5.477	ug/l	94
13) Acrolein	3.57	56	10362	41.193	ug/l	96
14) Allyl chloride	4.28	41	25408	5.172	ug/l	98
15) Acrylonitrile	4.94	53	35053	26.926	ug/l	99
16) Acetone	3.78	43	33124	20.858	ug/l	99
17) Carbon Disulfide	4.01	76	34532	5.354	ug/l	99
18) Methyl Acetate	4.28	43	16371	4.595	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	39141	5.066	ug/l	97
20) Methylene Chloride	4.50	84	14685	5.033	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	11891	5.282	ug/l	97
22) Diisopropyl ether	5.90	45	49547	5.058	ug/l #	87
23) Vinyl Acetate	5.85	43	202469	26.615	ug/l	98
24) 1,1-Dichloroethane	5.80	63	26246	5.359	ug/l	98
25) 2-Butanone	6.79	43	48794	23.978	ug/l	98
26) 2,2-Dichloropropane	6.77	77	19690	4.947	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	13647	5.309	ug/l	99
28) Bromochloromethane	7.15	49	13621	5.061	ug/l #	97
29) Tetrahydrofuran	7.17	42	32867	25.302	ug/l	99
30) Chloroform	7.33	83	23409	4.949	ug/l	99
31) Cyclohexane	7.62	56	27615	6.083	ug/l #	79
32) 1,1,1-Trichloroethane	7.53	97	19331	4.883	ug/l	98
36) 1,1-Dichloropropene	7.75	75	17876	4.909	ug/l	98
37) Ethyl Acetate	6.89	43	20034	4.727	ug/l	98
38) Carbon Tetrachloride	7.73	117	16435	4.573	ug/l	93

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 ALS Vial : 4 Sample Multiplier: 1

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	18961	4.837	ug/l	94
40) Benzene	8.00	78	55077	5.317	ug/l	100
41) Methacrylonitrile	7.12	41	7476	3.541	ug/l	91
42) 1,2-Dichloroethane	8.09	62	19878	4.468	ug/l	98
43) Isopropyl Acetate	8.13	43	32487	4.589	ug/l	97
44) Trichloroethene	8.80	130	12020	4.889	ug/l	96
45) 1,2-Dichloropropane	9.09	63	15806	5.203	ug/l	96
46) Dibromomethane	9.18	93	9005	4.856	ug/l	96
47) Bromodichloromethane	9.37	83	18301	4.627	ug/l	100
48) Methyl methacrylate	9.17	41	15951	4.433	ug/l	97
49) 1,4-Dioxane	9.17	88	4806	97.207	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	97037	25.415	ug/l	100
52) Toluene	10.13	92	30722	5.004	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	19759	4.640	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	21628	4.718	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	12138	4.905	ug/l	96
56) Ethyl methacrylate	10.40	69	18378	4.600	ug/l	92
57) 1,3-Dichloropropane	10.68	76	22392	4.890	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	30099	21.290	ug/l	98
59) 2-Hexanone	10.72	43	67877	23.676	ug/l	99
60) Dibromochloromethane	10.87	129	12769	4.580	ug/l	94
61) 1,2-Dibromoethane	10.98	107	12039	4.761	ug/l	97
64) Tetrachloroethene	10.60	164	10069	5.040	ug/l	97
65) Chlorobenzene	11.41	112	31353	4.912	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	11786	4.921	ug/l	97
67) Ethyl Benzene	11.48	91	57882	5.125	ug/l	98
68) m/p-Xylenes	11.59	106	40590	9.831	ug/l	98
69) o-Xylene	11.92	106	19741	4.847	ug/l	99
70) Styrene	11.94	104	31367	4.660	ug/l	99
71) Bromoform	12.10	173	8121	4.347	ug/l #	96
73) Isopropylbenzene	12.22	105	52522	5.548	ug/l	97
74) N-amyl acetate	12.05	43	24437	4.873	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	18588	5.605	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	17172m	5.630	ug/l	
77) Bromobenzene	12.50	156	11903	5.335	ug/l	99
78) n-propylbenzene	12.57	91	59397	5.496	ug/l	99
79) 2-Chlorotoluene	12.65	91	37237	5.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	42928	5.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	5742	5.236	ug/l	94
82) 4-Chlorotoluene	12.75	91	36222	5.167	ug/l	98
83) tert-Butylbenzene	12.97	119	36294	5.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	42044	5.357	ug/l	98
85) sec-Butylbenzene	13.15	105	48074	5.572	ug/l	99
86) p-Isopropyltoluene	13.27	119	39828	5.126	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	20592	5.152	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	20362	4.932	ug/l	94
89) n-Butylbenzene	13.59	91	33212	4.959	ug/l	98
90) Hexachloroethane	13.85	117	8038	4.880	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	19730	5.152	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3281	5.120	ug/l	93

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Wed Jul 08 11:45:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6848	3.820	ug/l	97
94) Hexachlorobutadiene	14.99	225	5309	4.732	ug/l	98
95) Naphthalene	15.10	128	19169	4.034	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	7333	3.987	ug/l	100

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

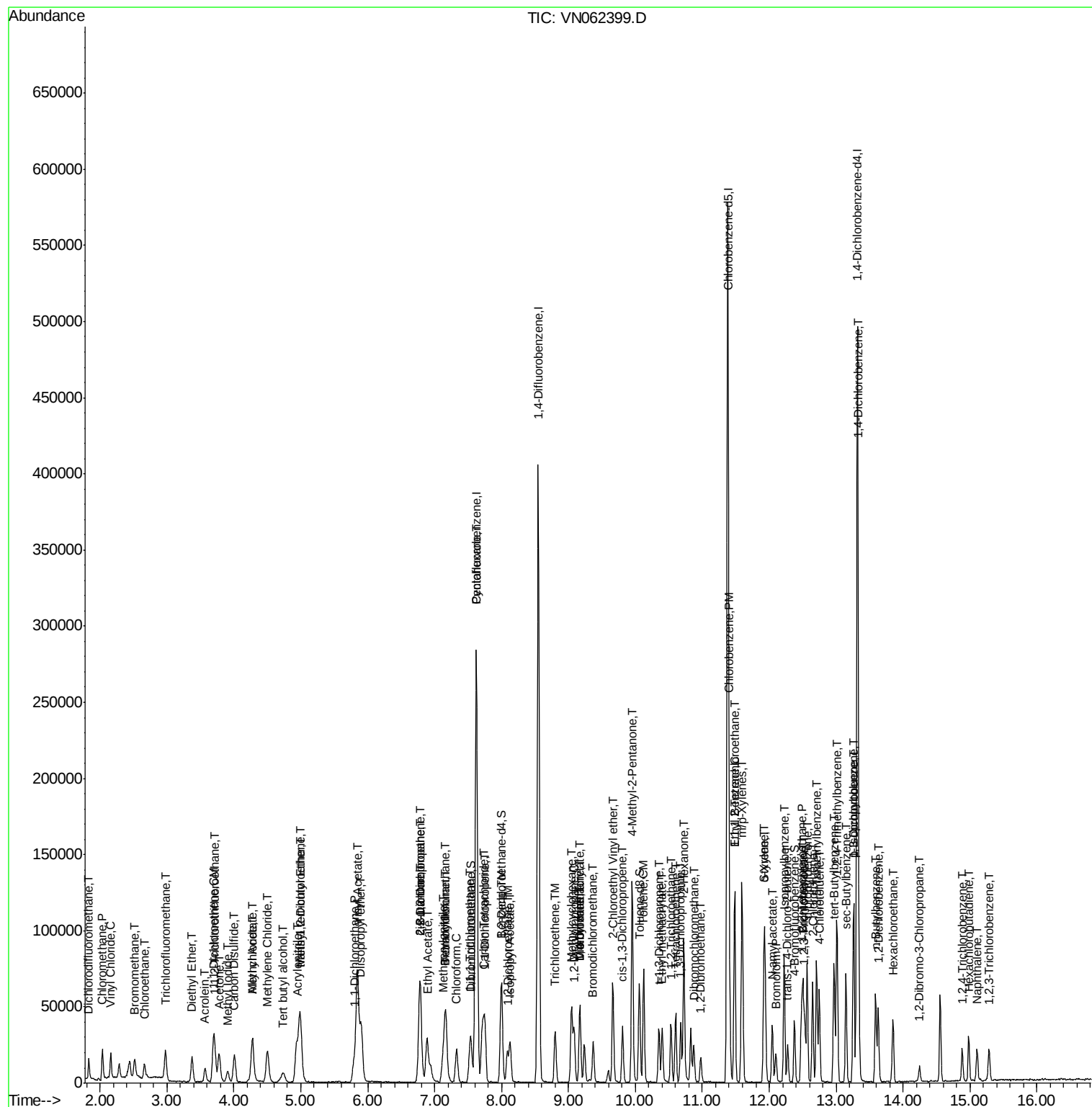
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 Data File : VN062399.D
 Acq On : 8 Jul 2020 10:38
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

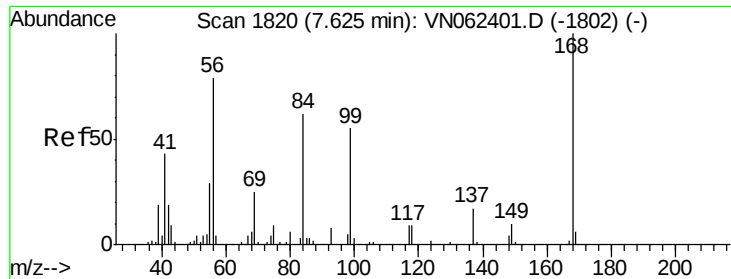
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 196176

Ion Ratio Lower Upper

168 100

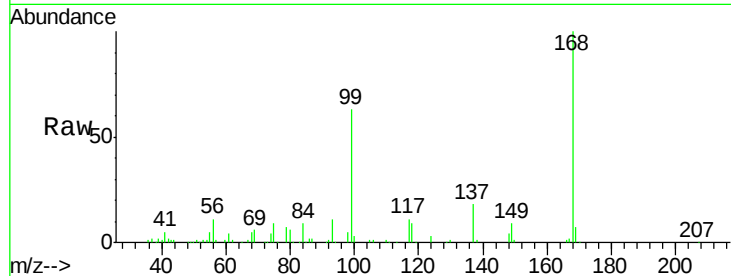
99 63.3 48.8 73.2

Manual Integrations

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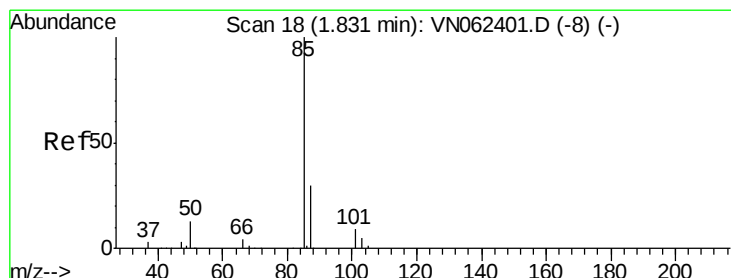
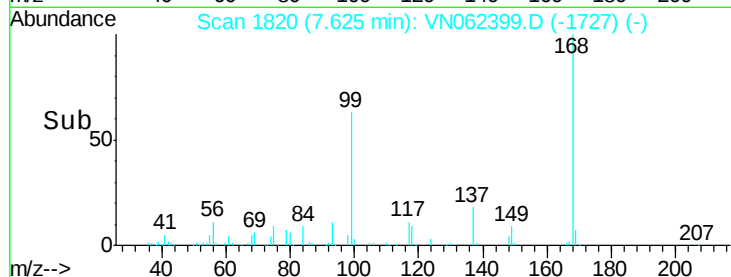
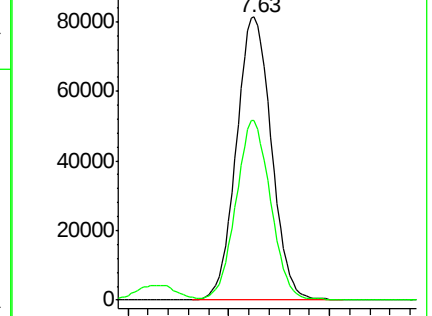
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 4.959 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062399.D

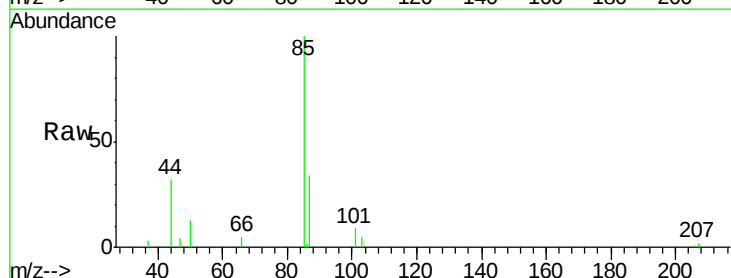
Acq: 8 Jul 2020 10:38

Tgt Ion: 85 Resp: 10911

Ion Ratio Lower Upper

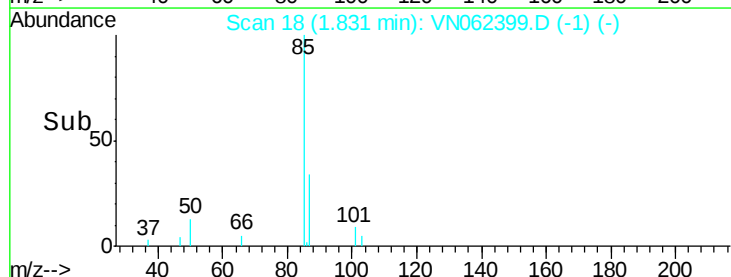
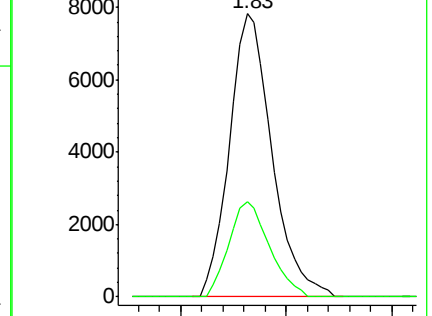
85 100

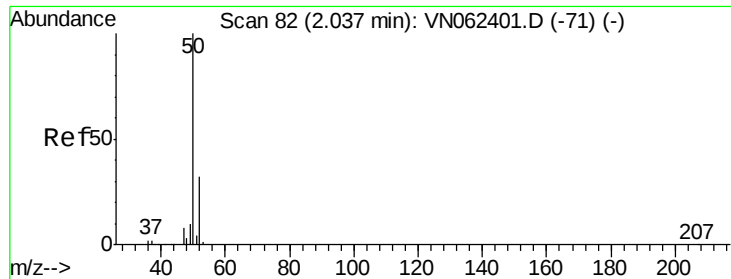
87 33.7 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 5.297 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 17541

Ion Ratio Lower Upper

50 100

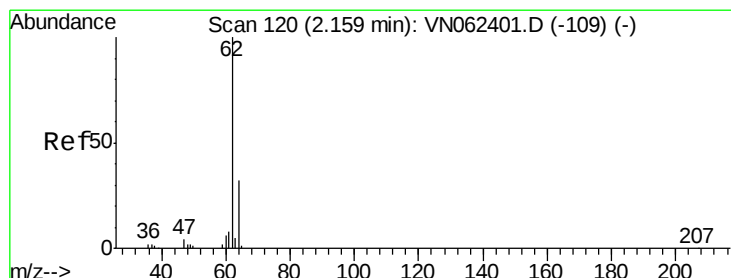
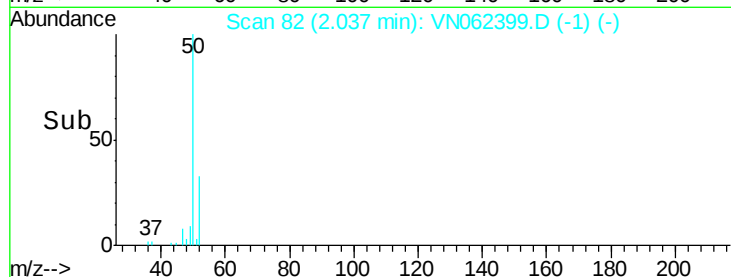
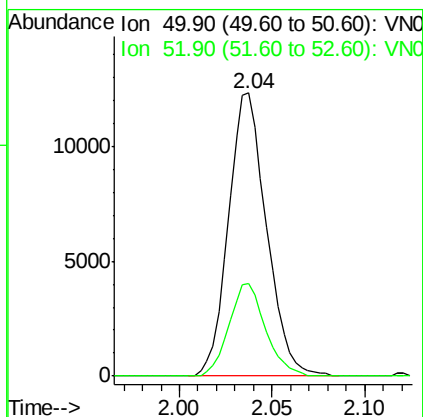
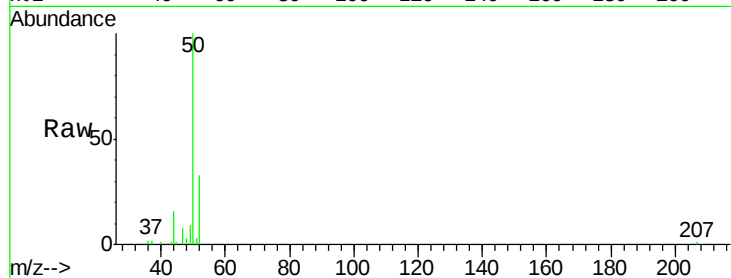
52 32.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.115 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062399.D

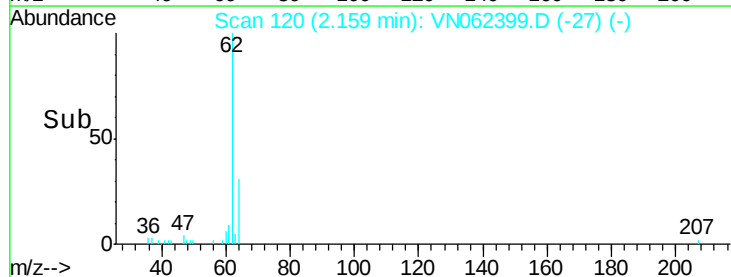
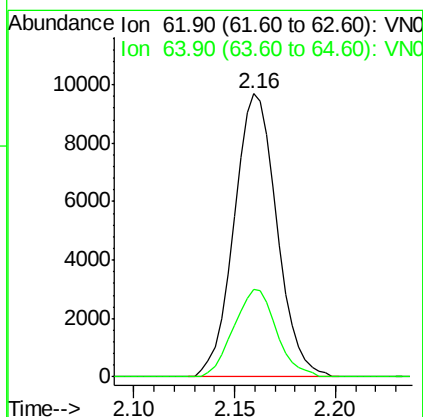
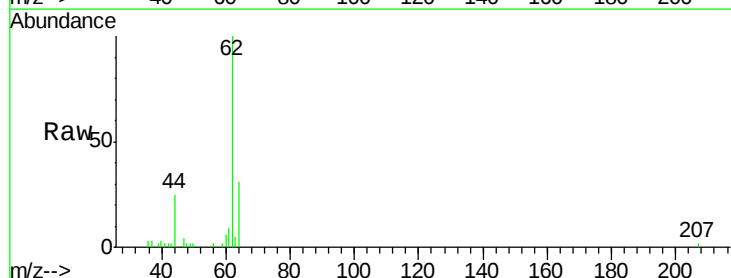
Acq: 8 Jul 2020 10:38

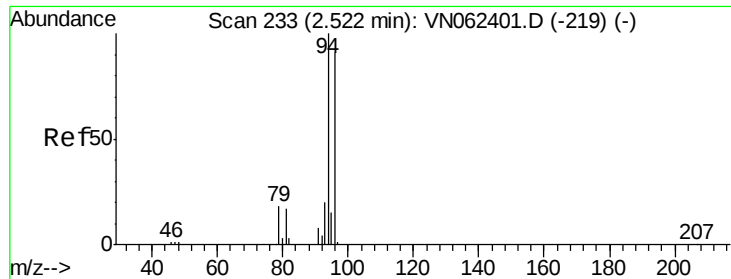
Tgt Ion: 62 Resp: 14408

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5





#5

Bromomethane

Concen: 5.381 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7834

Ion Ratio Lower Upper

94 100

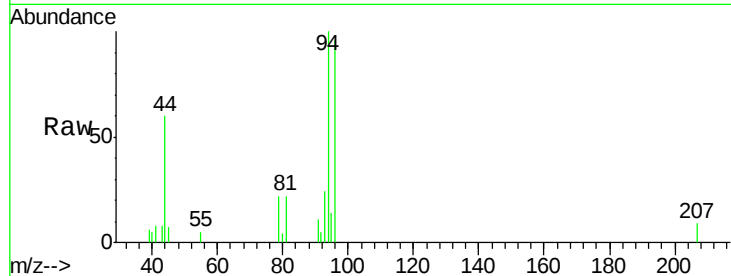
96 96.0 73.2 109.8

Manual Integrations

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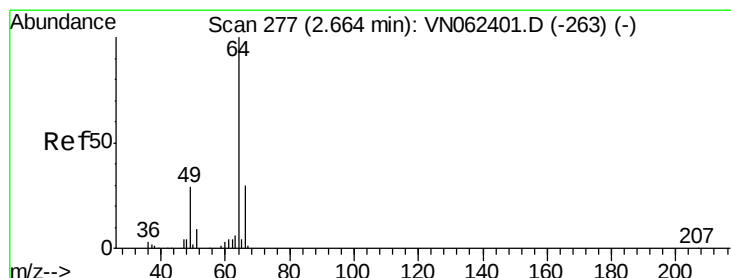
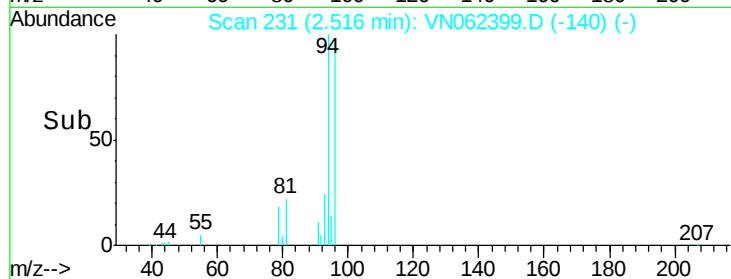
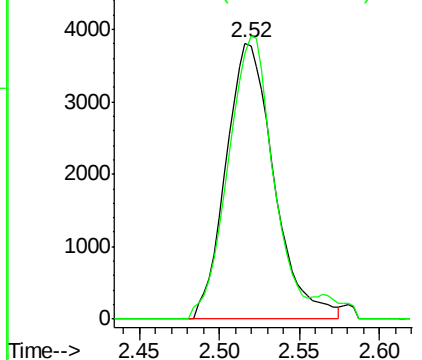
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.190 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062399.D

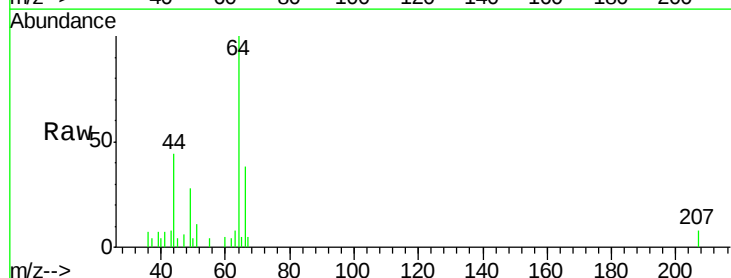
Acq: 8 Jul 2020 10:38

Tgt Ion: 64 Resp: 8522

Ion Ratio Lower Upper

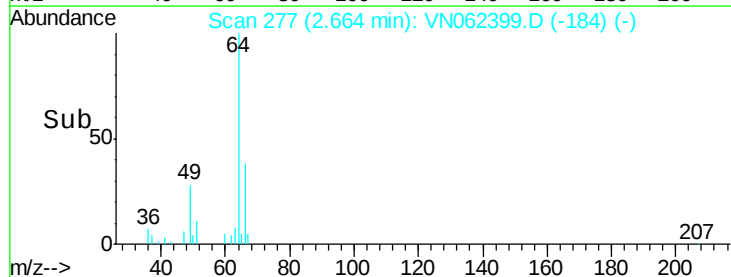
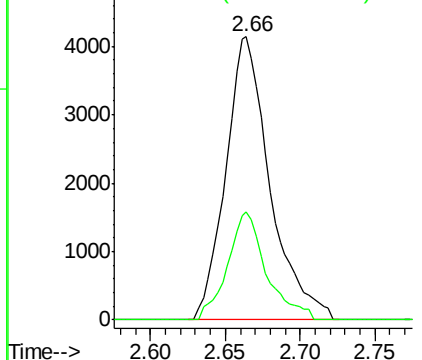
64 100

66 38.2 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

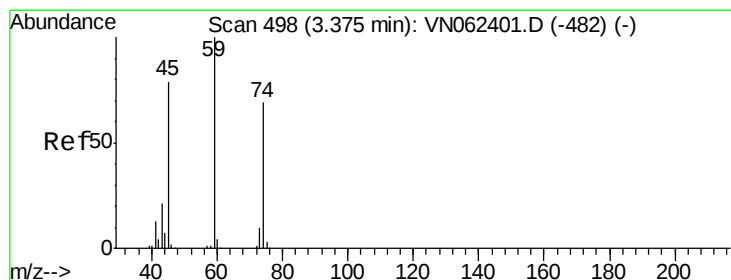
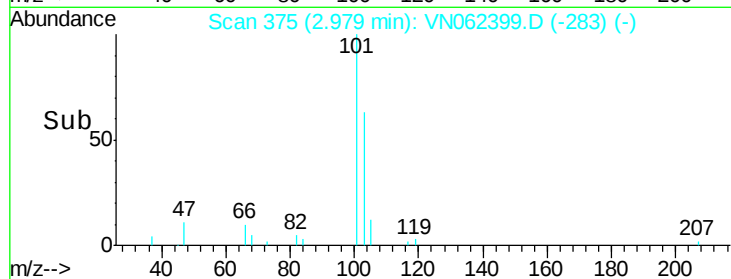
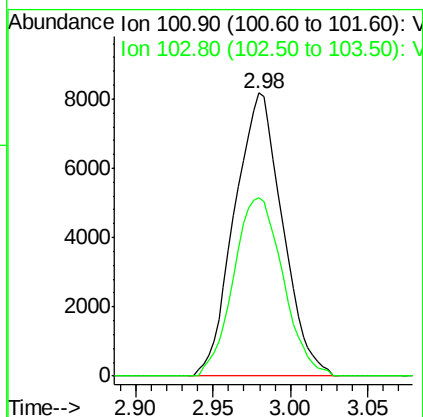
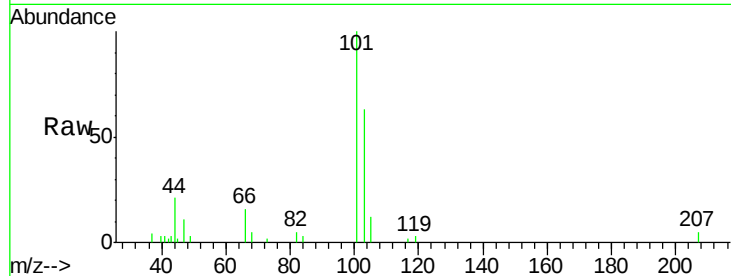
Trichlorofluoromethane
 Concen: 4.624 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.6	77.4

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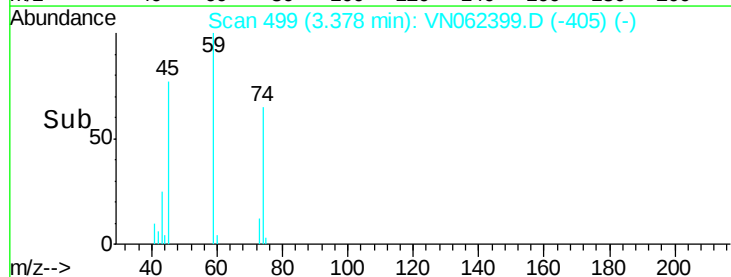
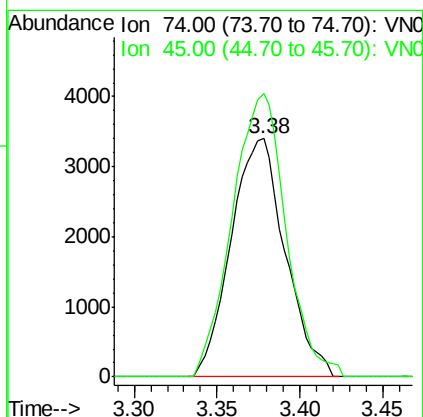
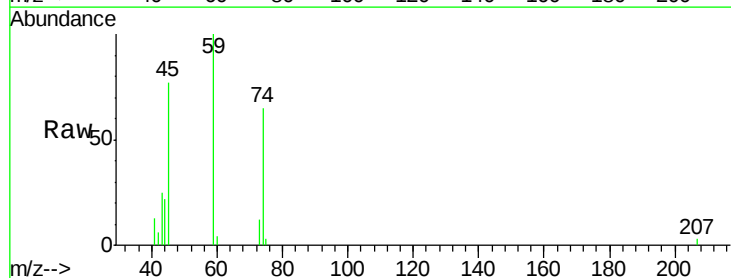
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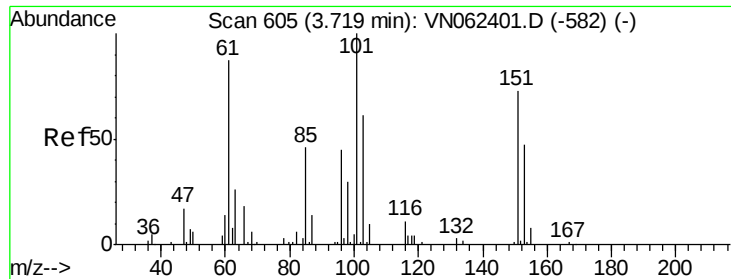


#8

Diethyl Ether
 Concen: 5.081 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.948 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

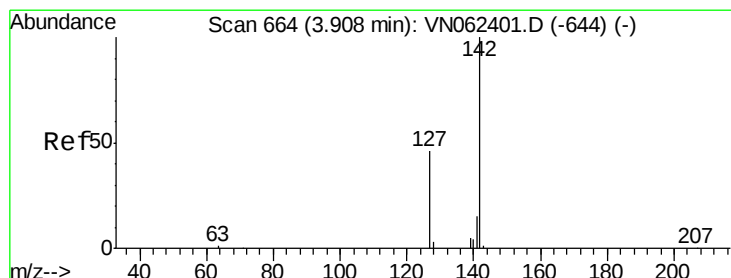
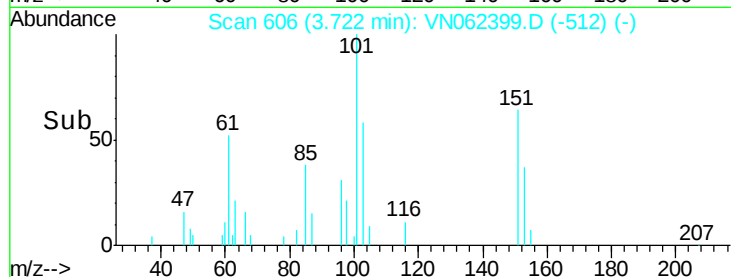
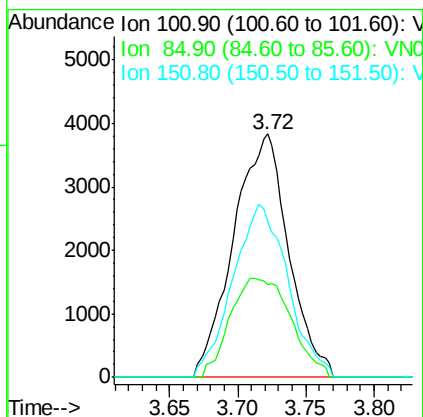
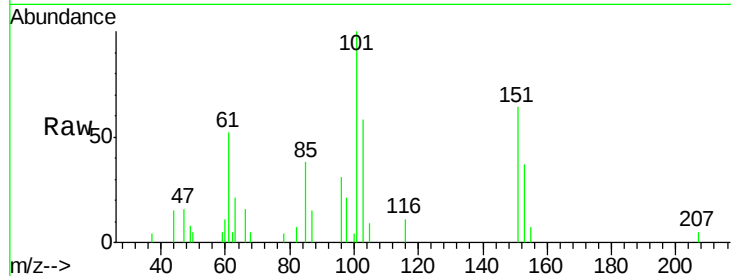
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	10745
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.7	55.1
151	70.8	58.3	87.5

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#10

Methyl Iodide

Concen: 4.441 ug/l

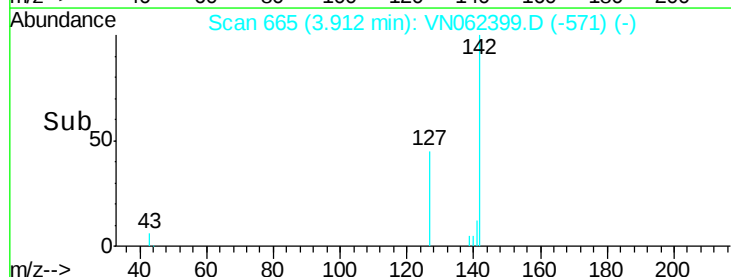
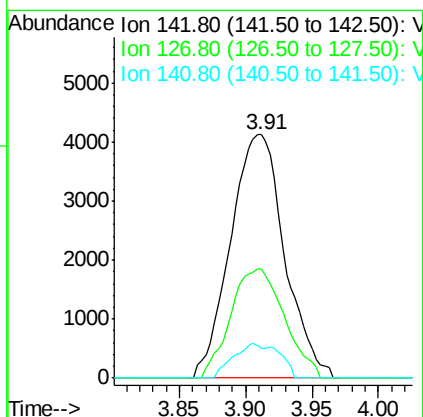
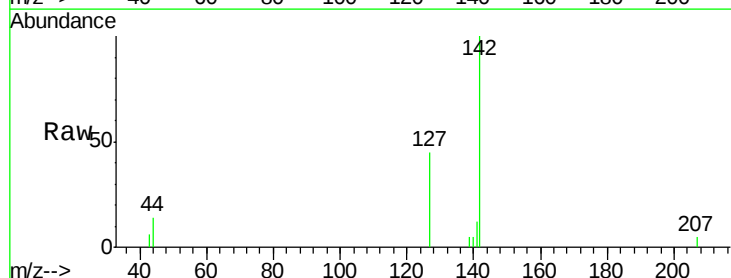
RT: 3.91 min Scan# 665

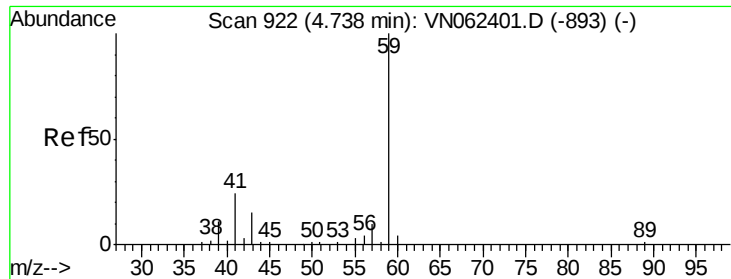
Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	142	Resp:	11705
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.1	54.1
141	12.0	11.4	17.0





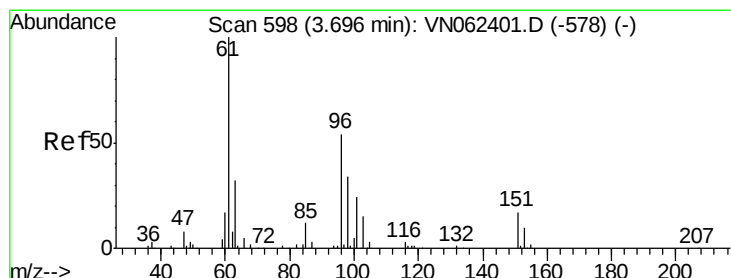
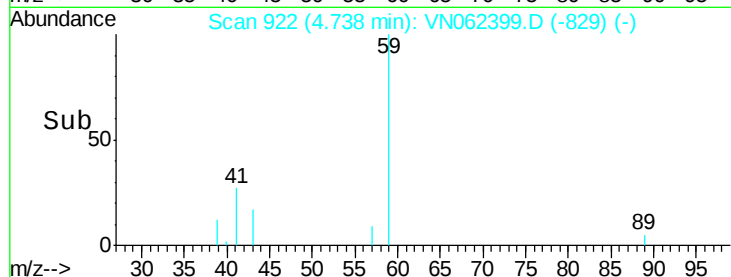
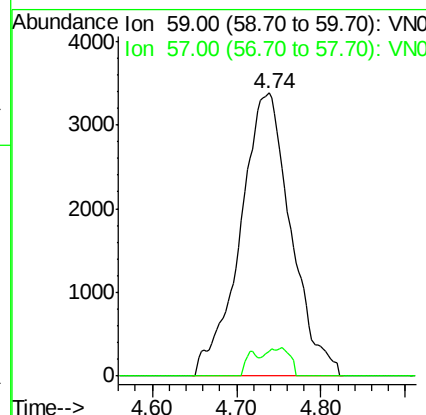
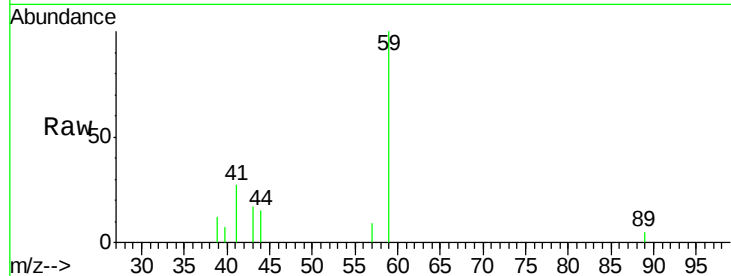
#11
Tert butyl alcohol
Concen: 28.917 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.4	7.8	11.6#

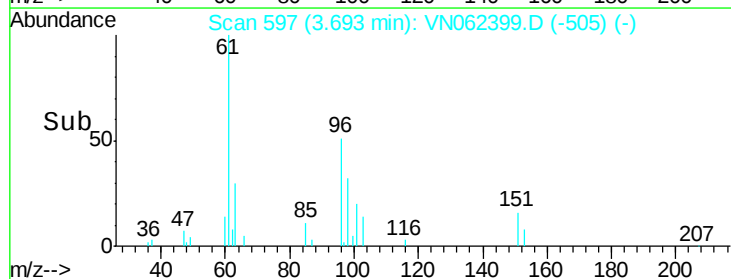
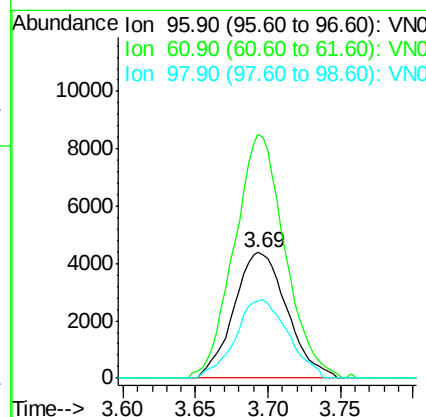
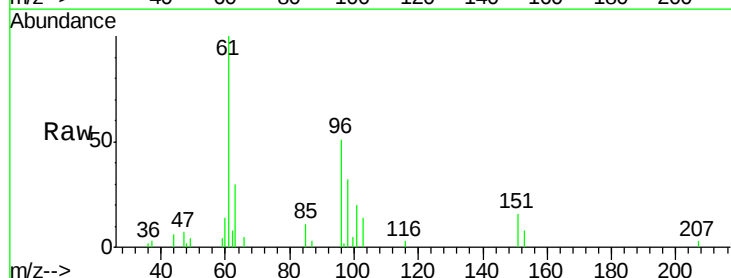
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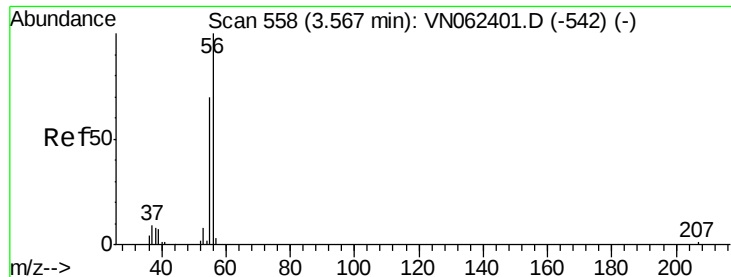
MMDadoda
7/9/2020 10:54:10 AM



#12
1,1-Dichloroethene
Concen: 5.477 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.3	147.4	221.0
98	62.1	50.4	75.6





#13

Acrolein

Concen: 41.193 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10362

Ion Ratio Lower Upper

56 100

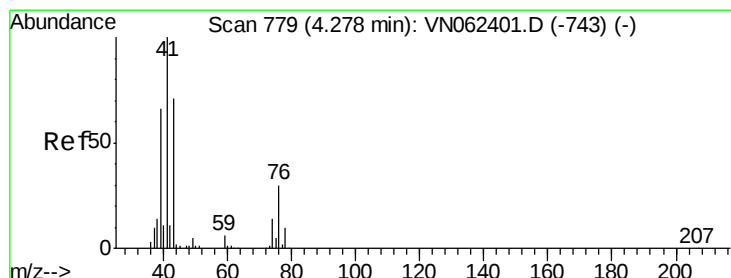
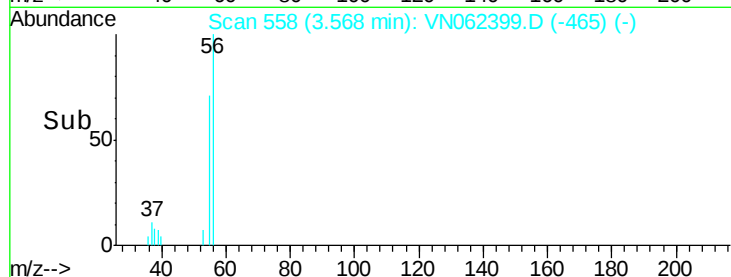
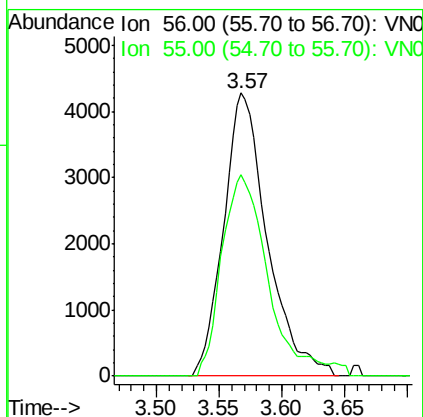
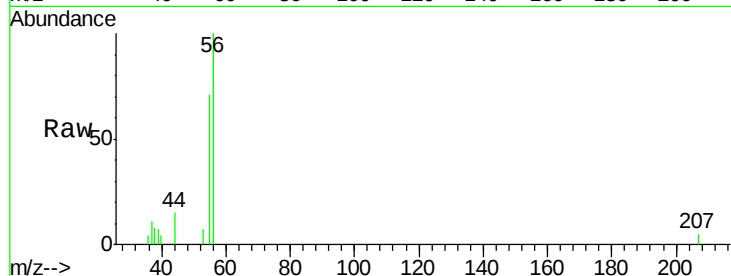
55 74.6 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 5.172 ug/l

RT: 4.28 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

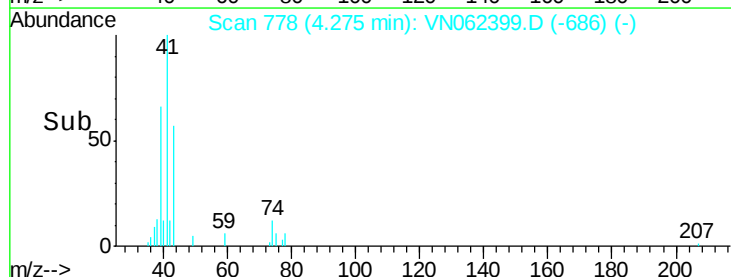
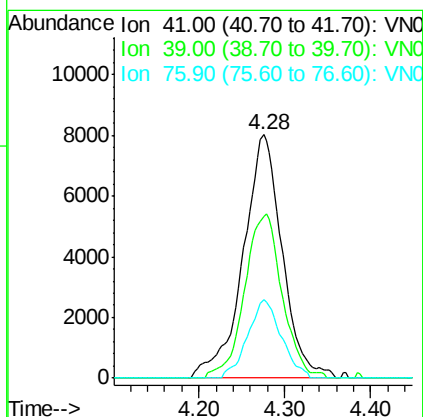
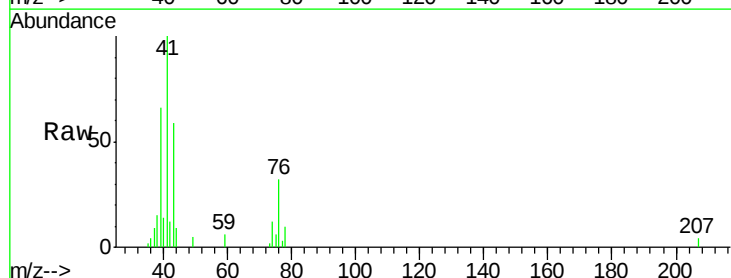
Tgt Ion: 41 Resp: 25408

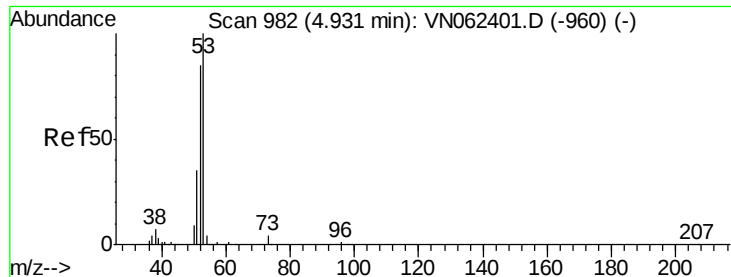
Ion Ratio Lower Upper

41 100

39 64.2 49.6 74.4

76 27.6 22.2 33.4





#15

Acrylonitrile

Concen: 26.926 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

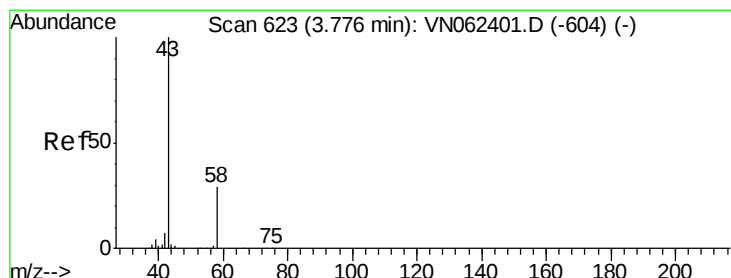
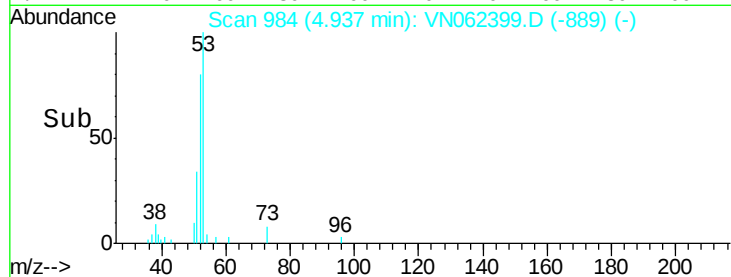
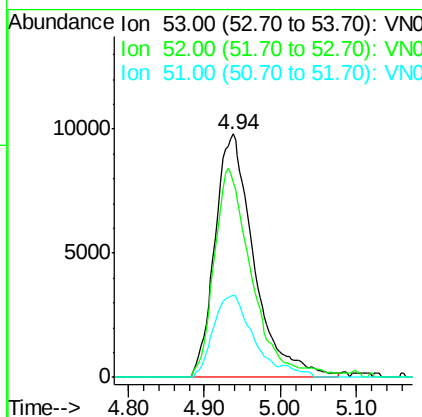
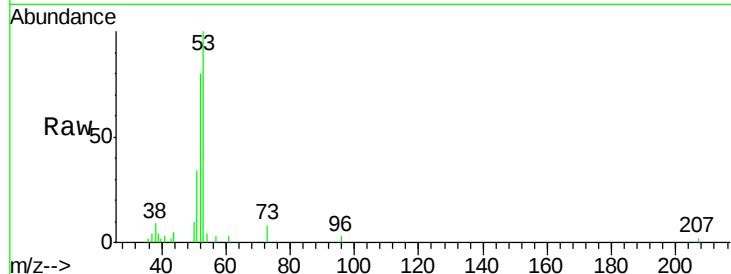
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	35053
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.4
51	33.2	28.7	43.1

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#16

Acetone

Concen: 20.858 ug/l

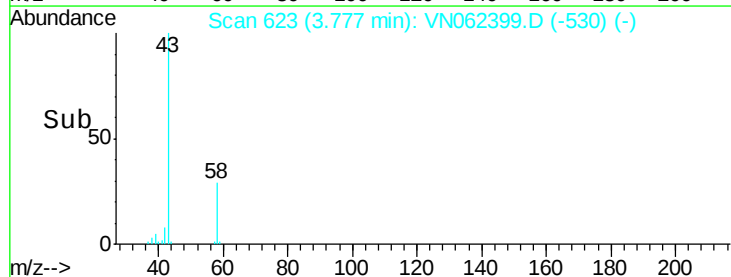
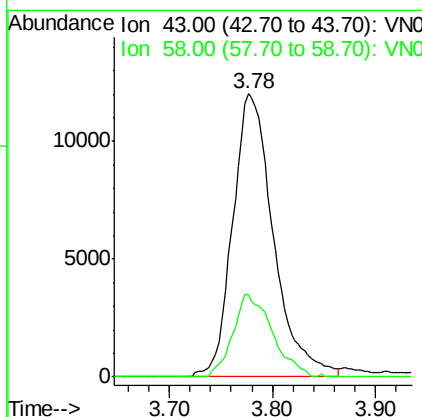
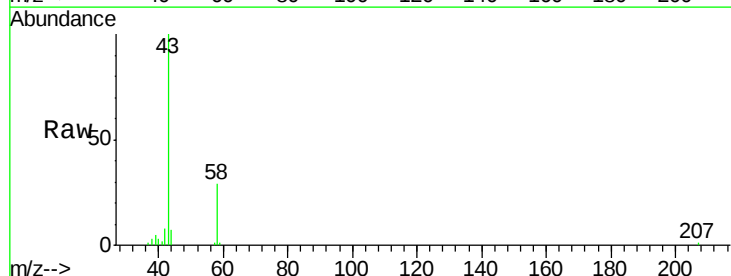
RT: 3.78 min Scan# 623

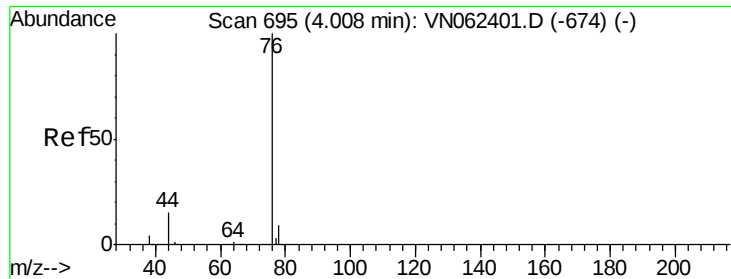
Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	43	Resp:	33124
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.5	35.3





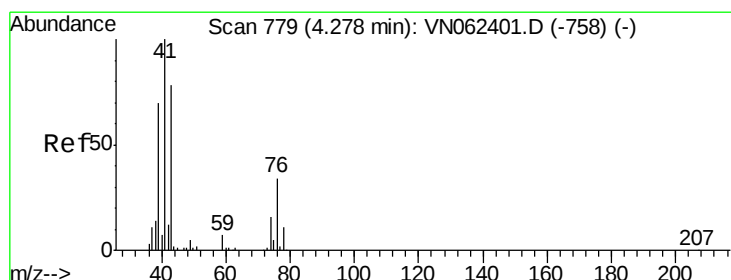
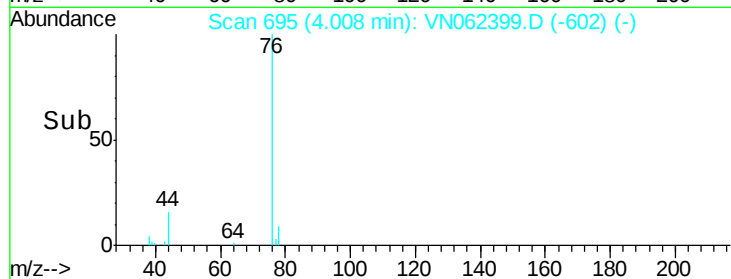
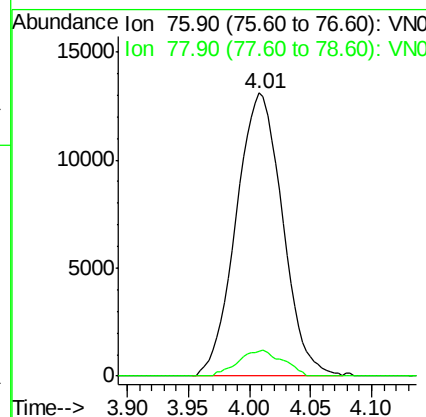
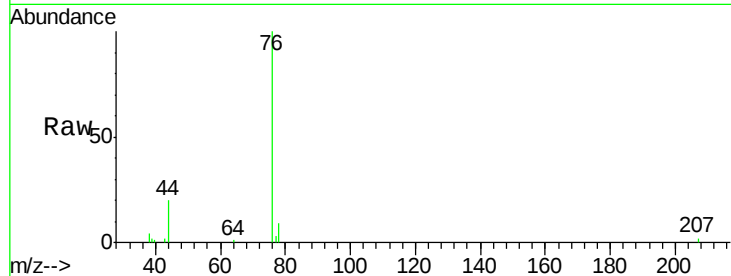
#17
Carbon Disulfide
Concen: 5.354 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

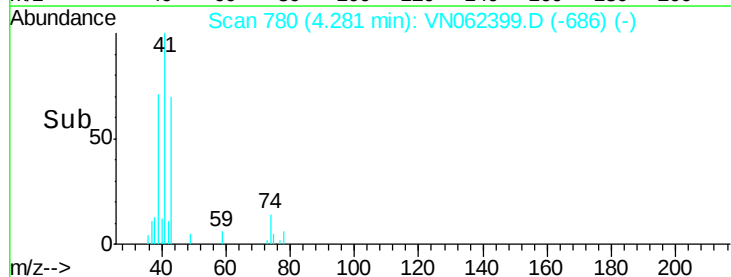
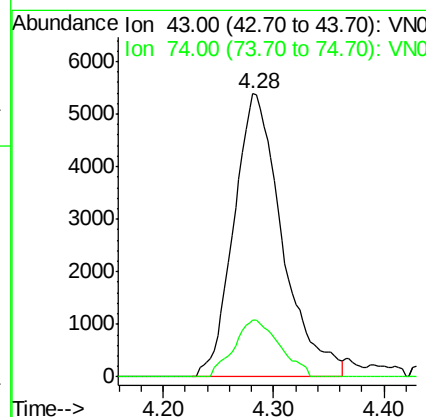
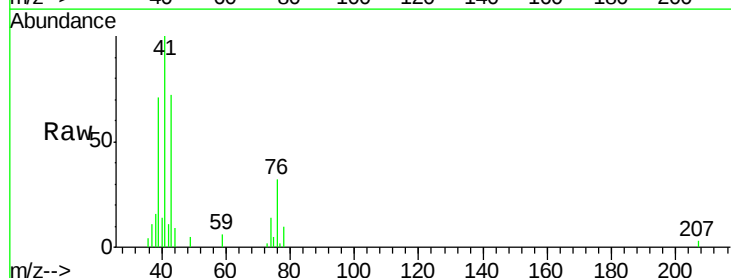
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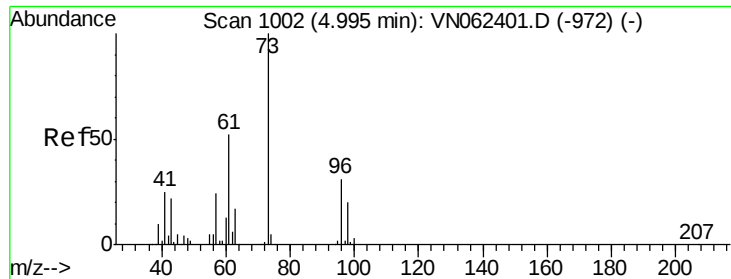
MMDadoda
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#18
Methyl Acetate
Concen: 4.595 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.9	16.0	24.0





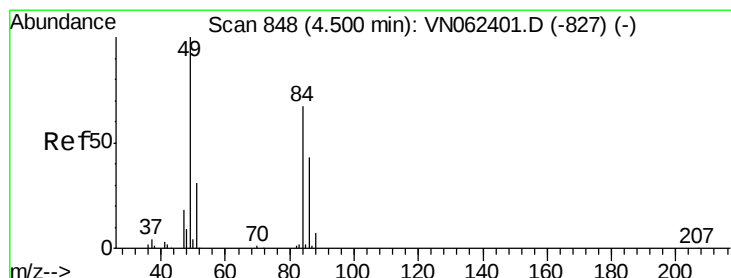
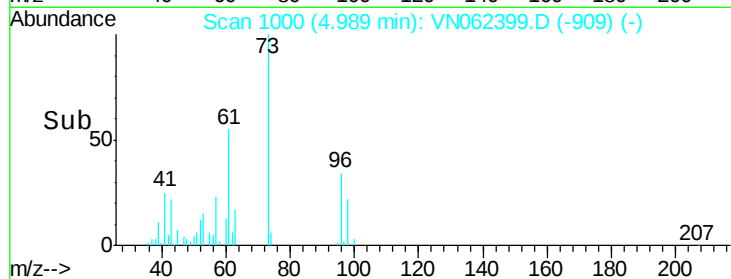
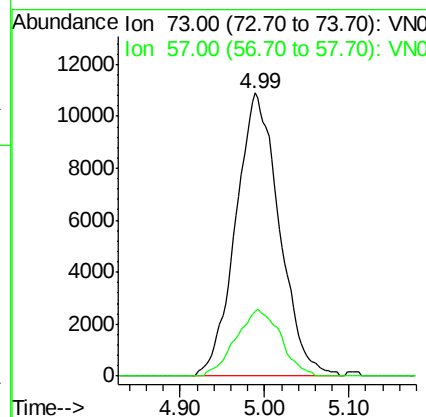
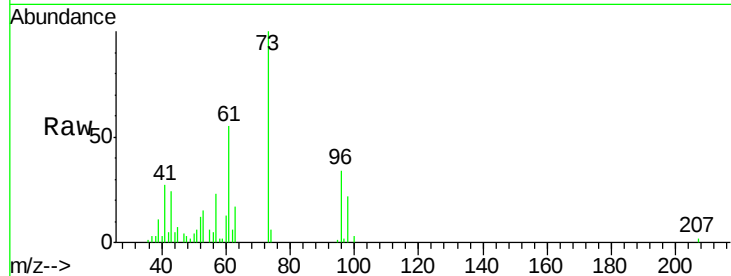
#19
Methvl tert-butvl Ether
Concen: 5.066 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 39141
Ion Ratio Lower Upper
73 100
57 22.9 19.4 29.0

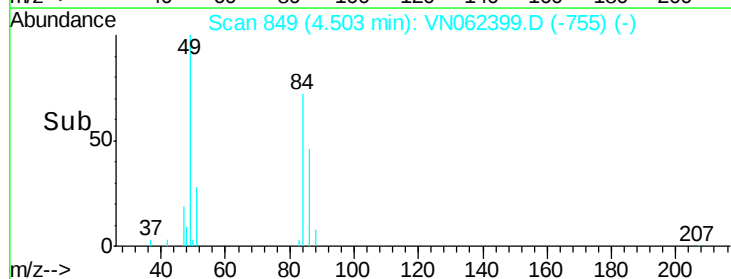
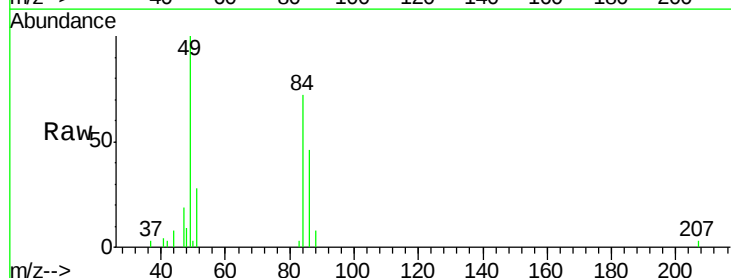
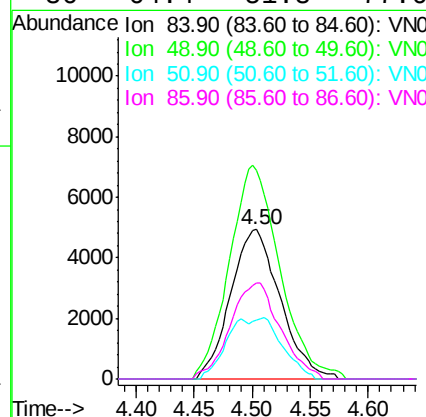
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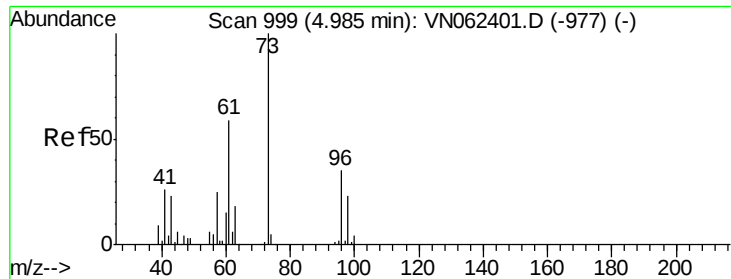
MMDadoda
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#20
Methylene Chloride
Concen: 5.033 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion: 84 Resp: 14685
Ion Ratio Lower Upper
84 100
49 139.7 120.0 180.0
51 39.7 37.0 55.6
86 64.4 51.8 77.6





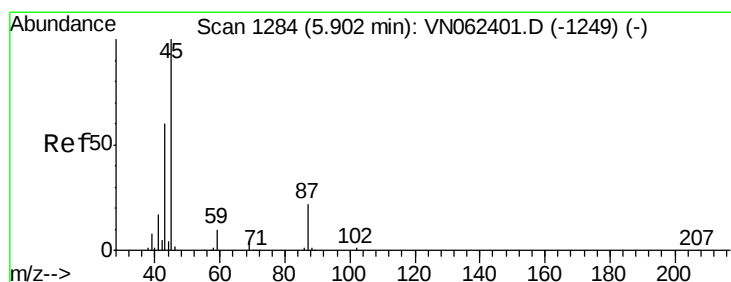
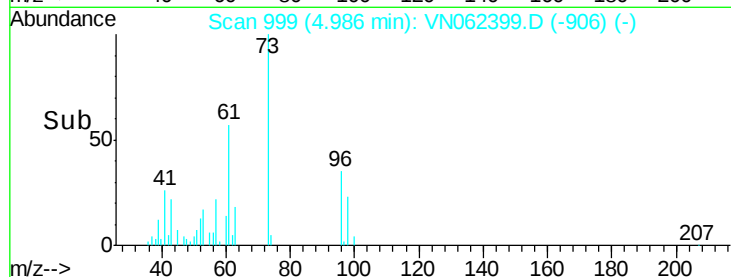
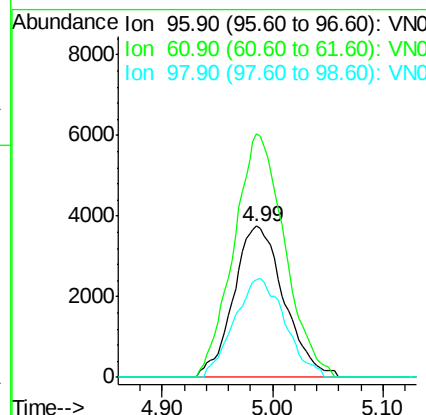
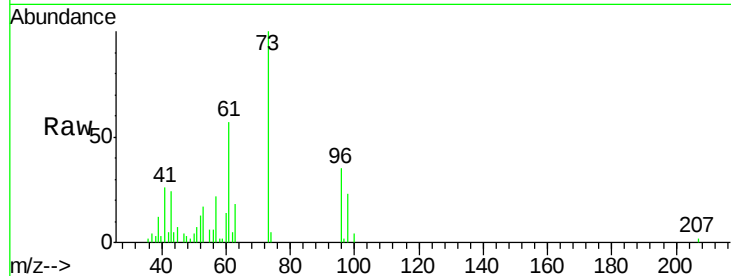
#21
trans-1,2-Dichloroethene
Concen: 5.282 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	133.5	200.3
98	65.1	51.9	77.9

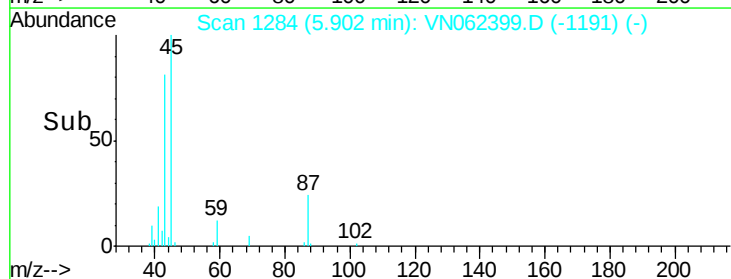
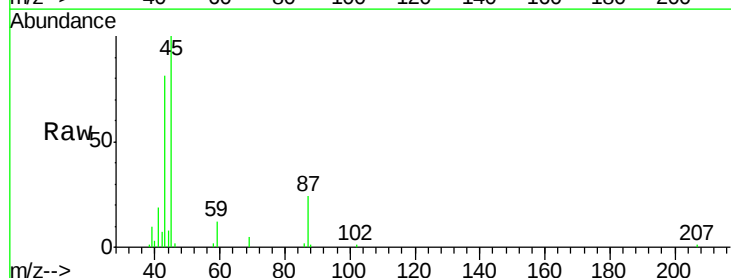
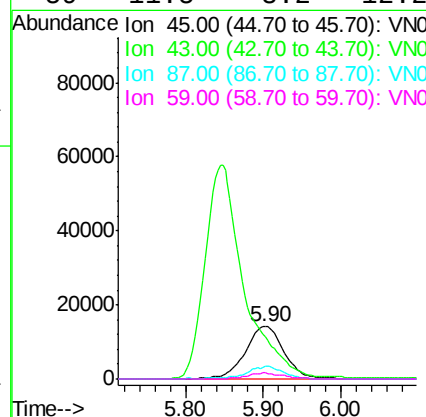
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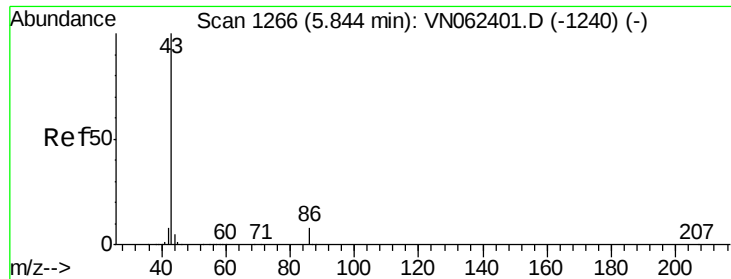
MMDadoda
7/9/2020 10:54:10 AM



#22
Diisopropyl ether
Concen: 5.058 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.6	50.1	75.1#
87	23.6	18.2	27.4
59	11.5	8.2	12.2





#23

Vinyl Acetate

Concen: 26.615 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 202469

Ion Ratio Lower Upper

43 100

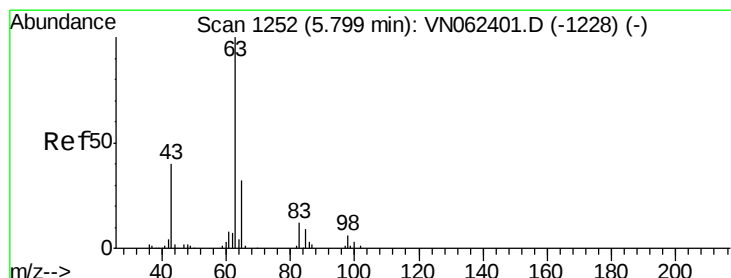
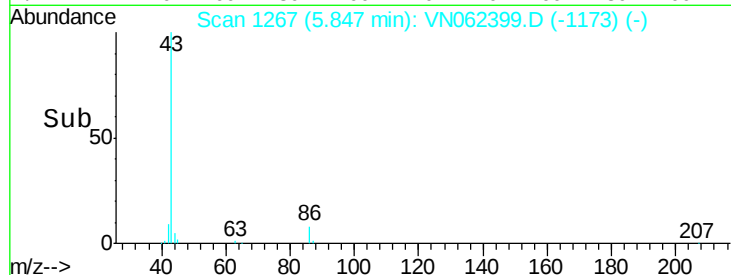
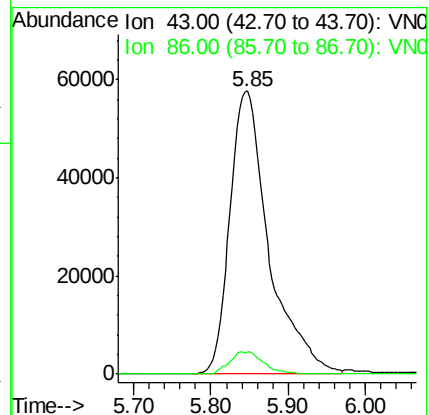
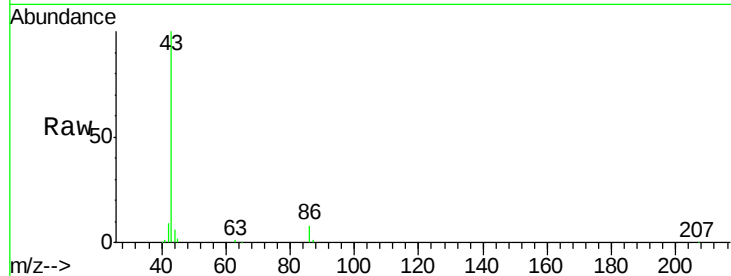
86 7.8 6.7 10.1

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 5.359 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

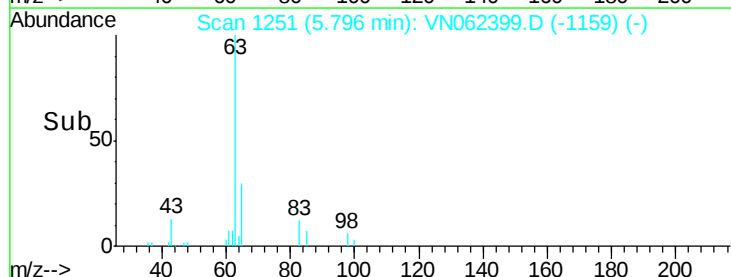
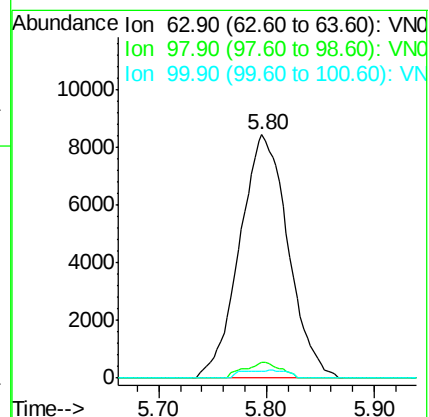
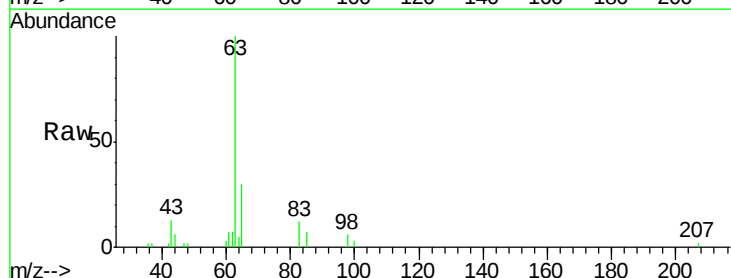
Tgt Ion: 63 Resp: 26246

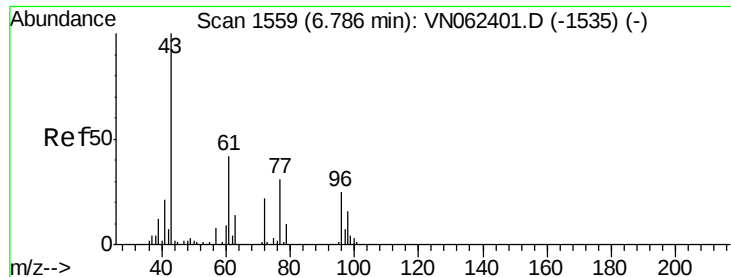
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 2.7 1.8 5.3





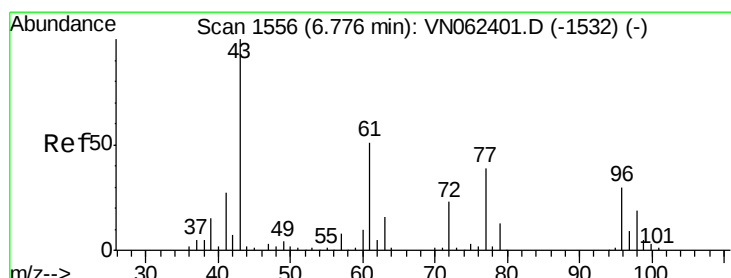
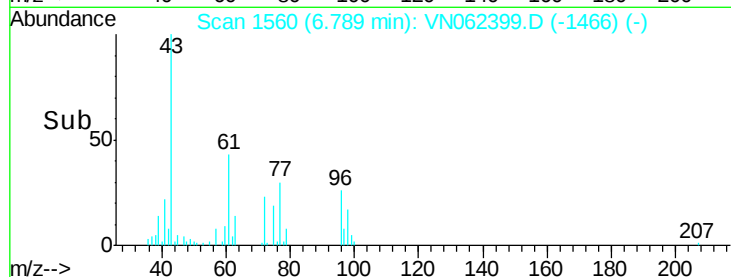
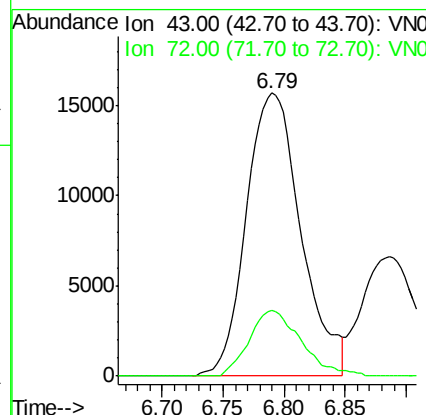
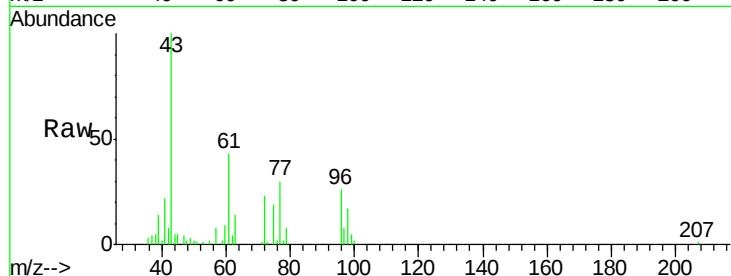
#25
 2-Butanone
 Concen: 23.978 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 43 Resp: 48794
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.9 26.9

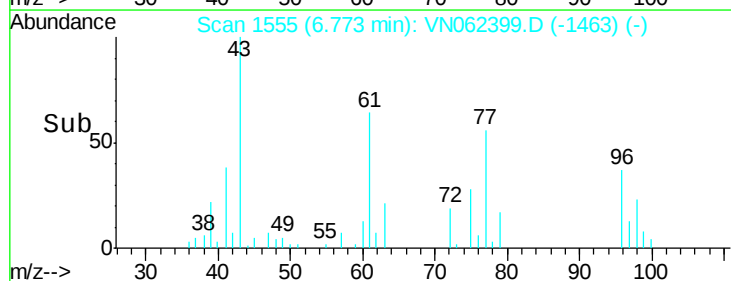
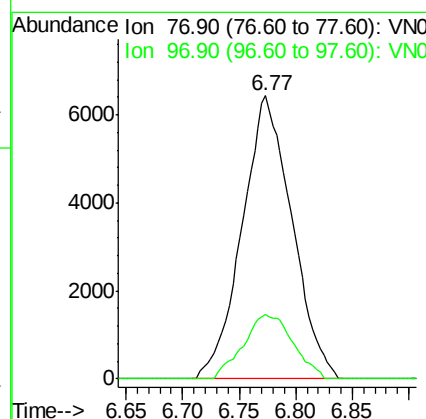
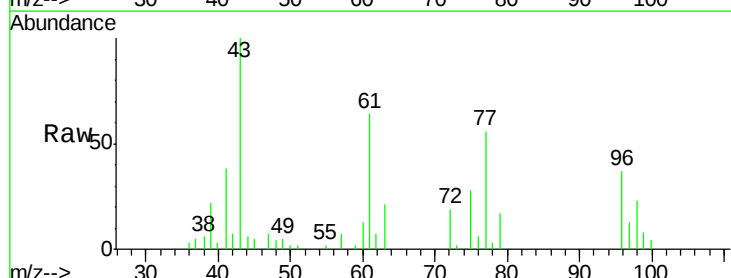
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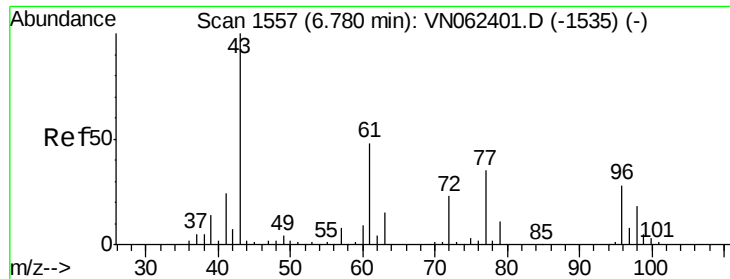
MMDadoda
 7/9/2020 10:54:10 AM



#26
 2,2-Dichloropropane
 Concen: 4.947 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion: 77 Resp: 19690
 Ion Ratio Lower Upper
 77 100
 97 22.6 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 5.309 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

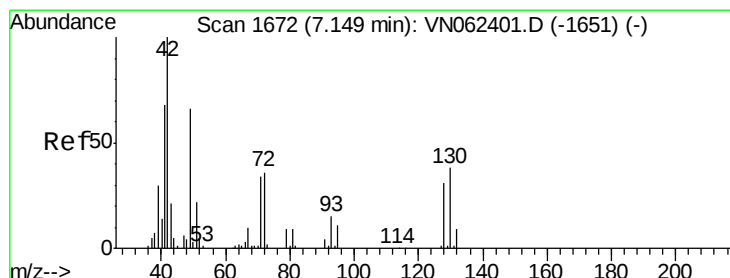
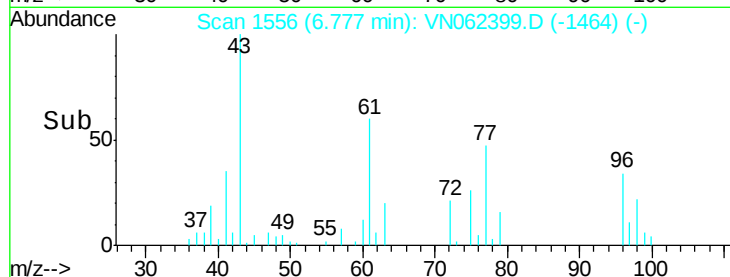
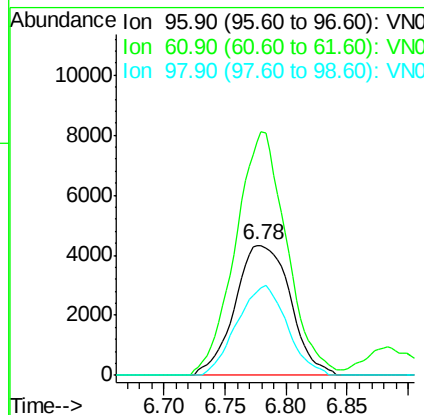
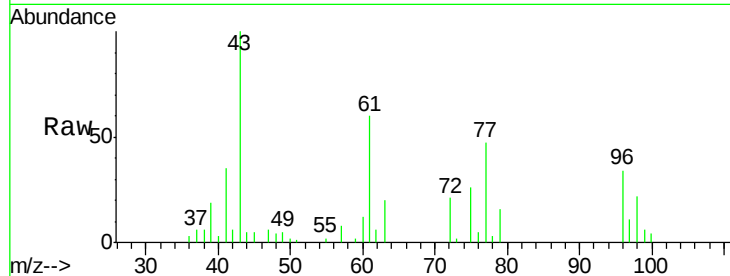
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	13647
Ion	Ratio	Lower	Upper
96	100		
61	172.5	0.0	343.4
98	62.6	0.0	128.4

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#28

Bromochloromethane

Concen: 5.061 ug/l

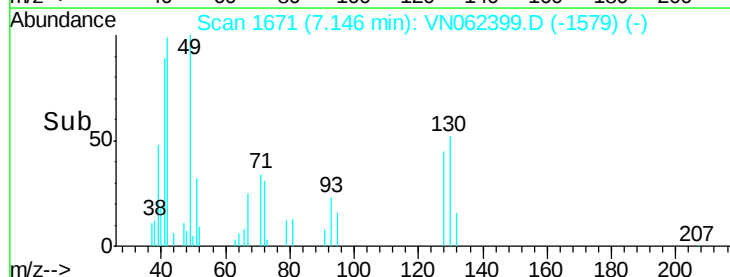
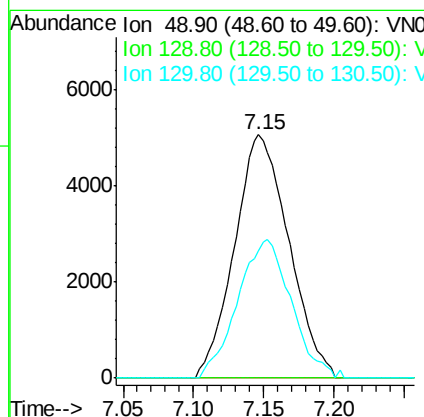
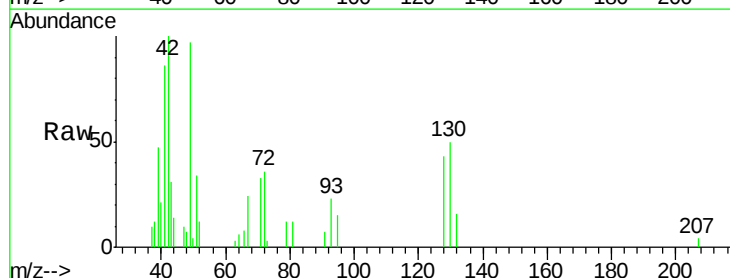
RT: 7.15 min Scan# 1671

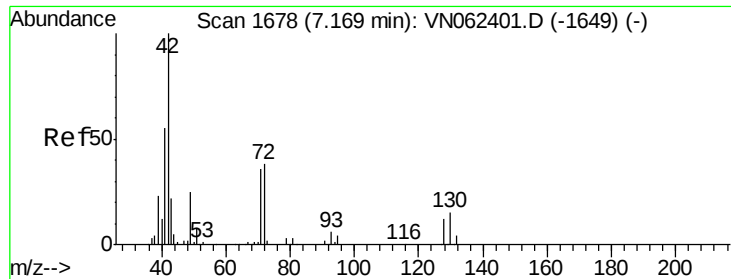
Delta R.T. -0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	49	Resp:	13621
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	56.2	46.5	69.7





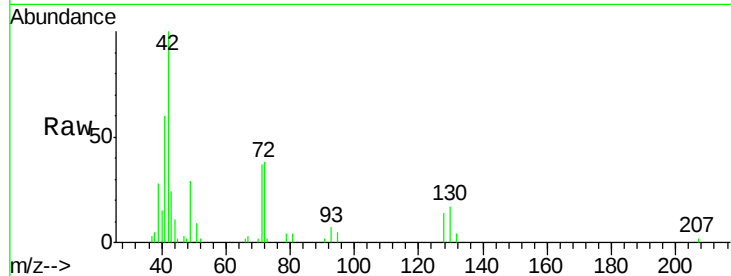
#29
Tetrahydrofuran
Concen: 25.302 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

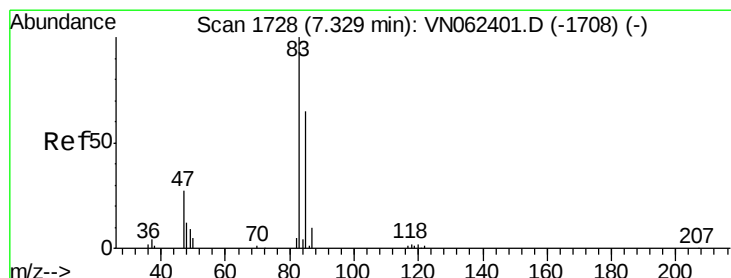
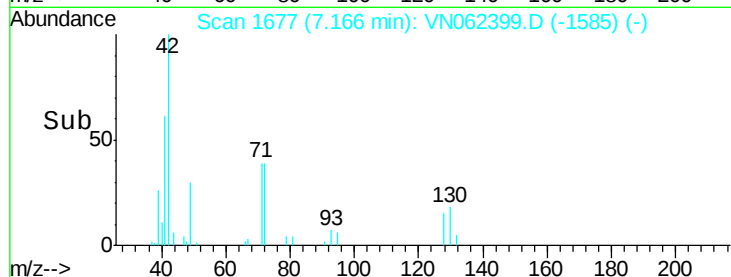
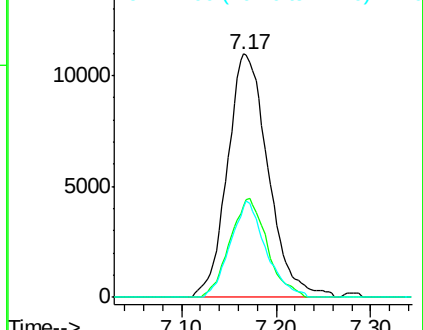
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.1	43.7
71	34.4	28.1	42.1

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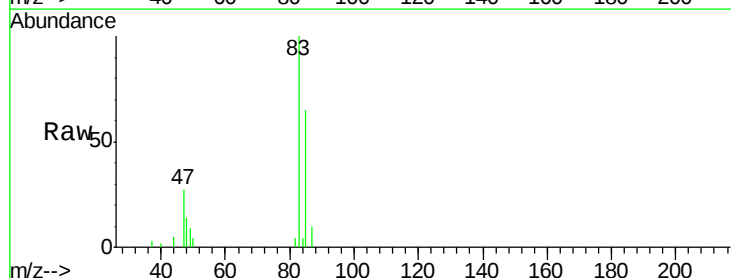


Abundance Ion 42.00 (41.70 to 42.70): VN062401.D (-1649) (-)

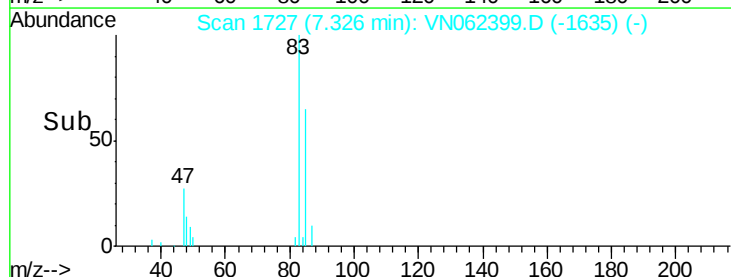
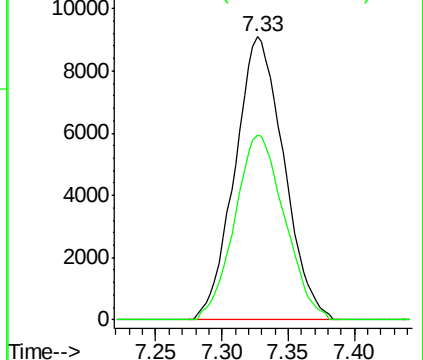


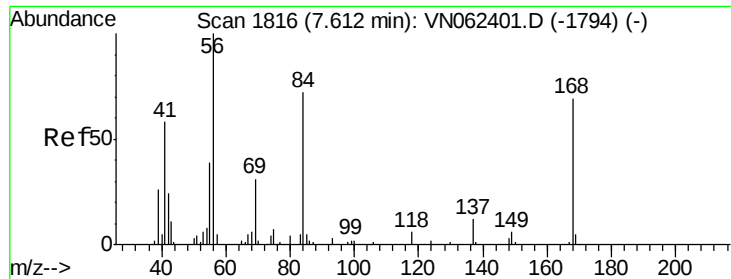
#30
Chloroform
Concen: 4.949 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-1708) (-)





#31

Cyclohexane

Concen: 6.083 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

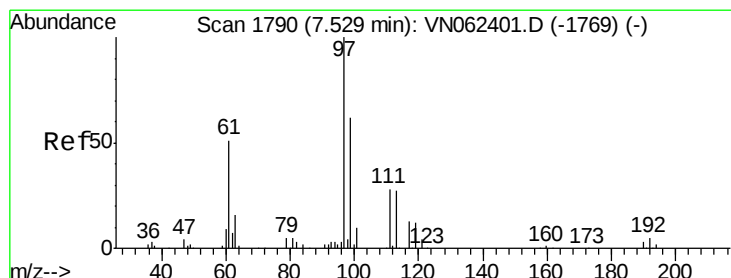
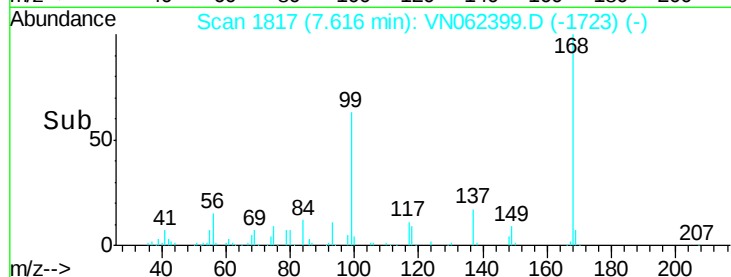
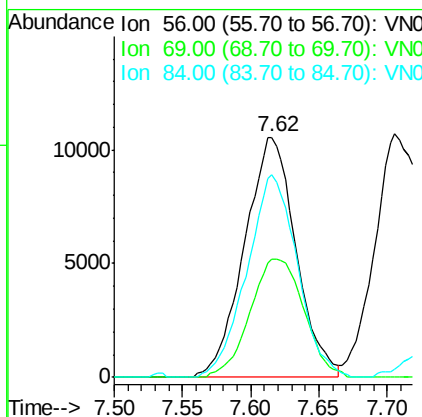
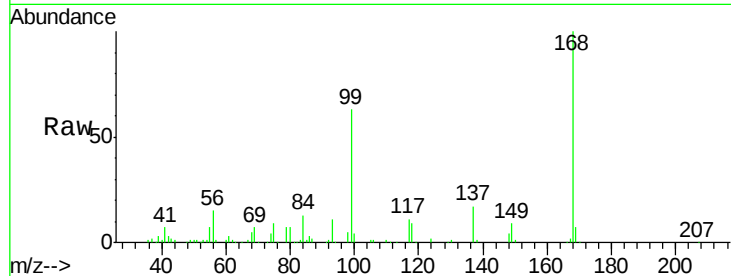
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	27615
Ion Ratio	Lower	Upper	
56	100		
69	49.3	24.5	36.7#
84	84.4	57.4	86.2

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#32

1,1,1-Trichloroethane

Concen: 4.883 ug/l

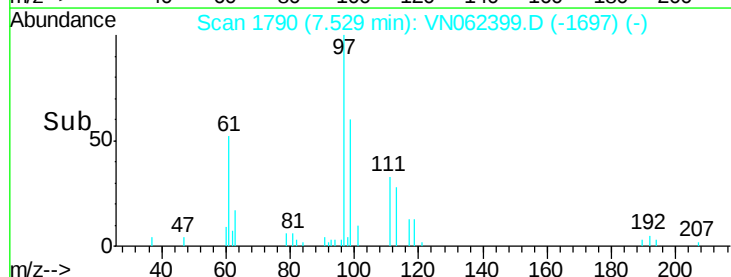
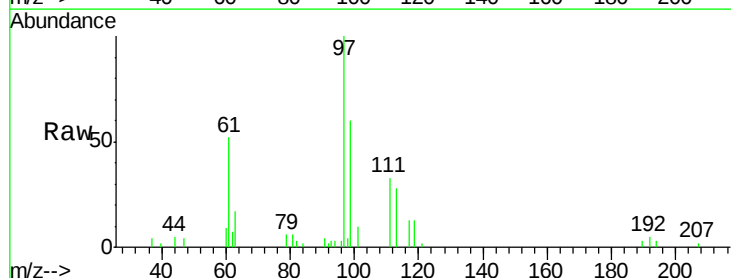
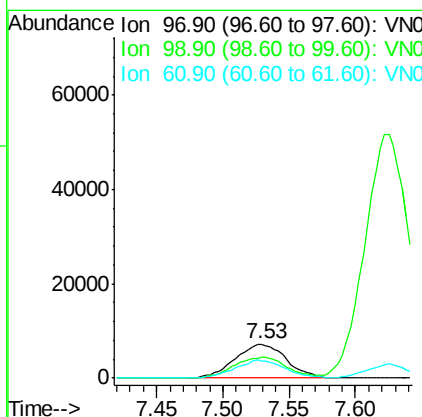
RT: 7.53 min Scan# 1790

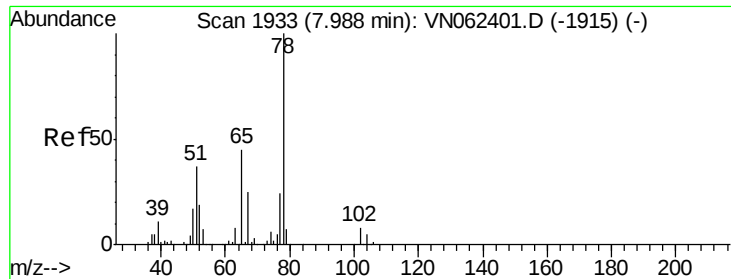
Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	97	Resp:	19331
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.4	75.6
61	51.4	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 4.776 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 16430

Ion Ratio Lower Upper

65 100

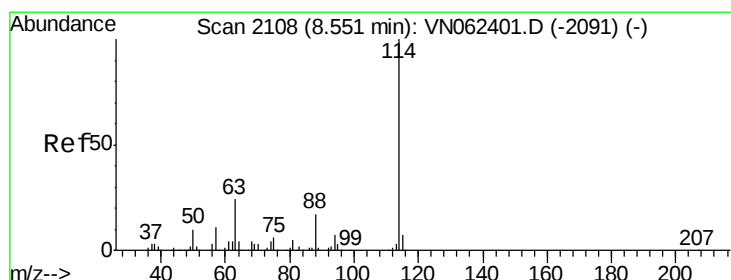
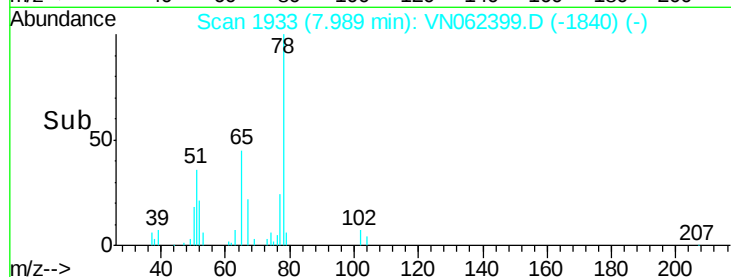
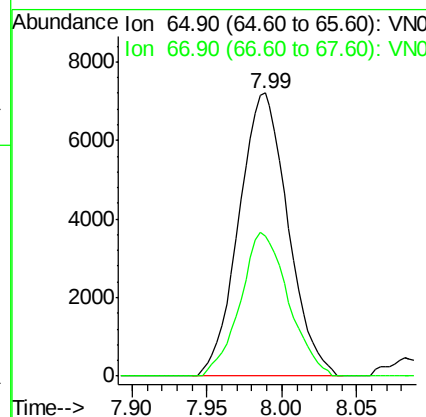
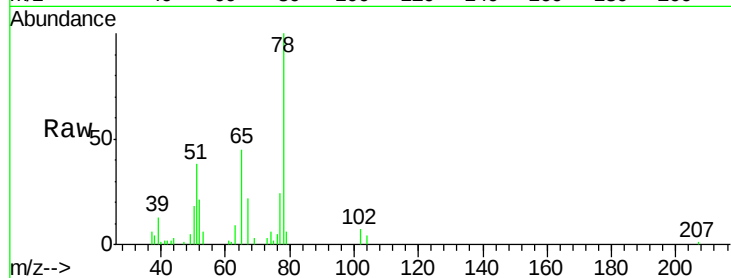
67 49.8 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

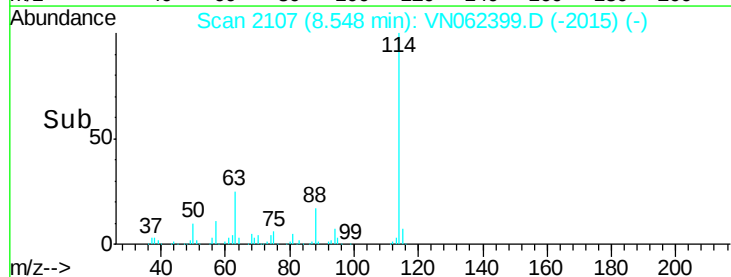
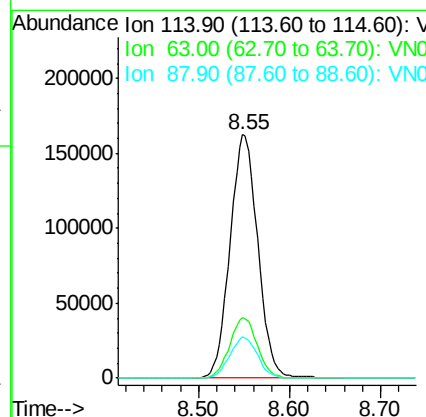
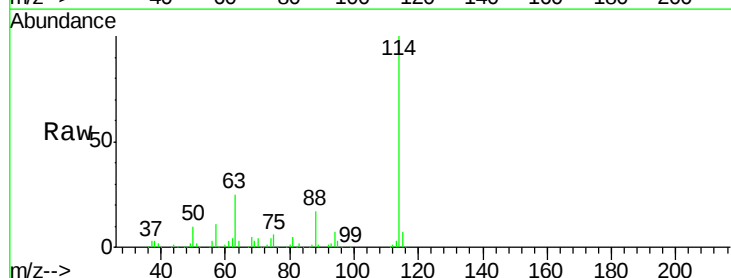
Tgt Ion: 114 Resp: 343949

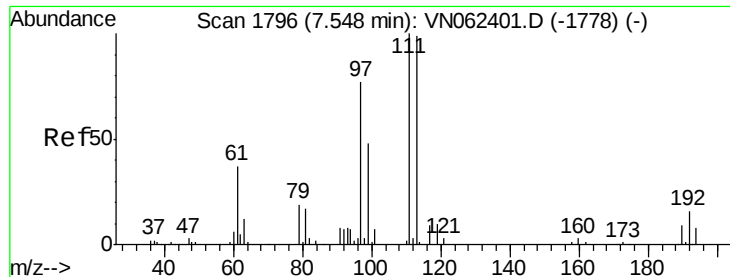
Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.4

88 16.8 0.0 33.8





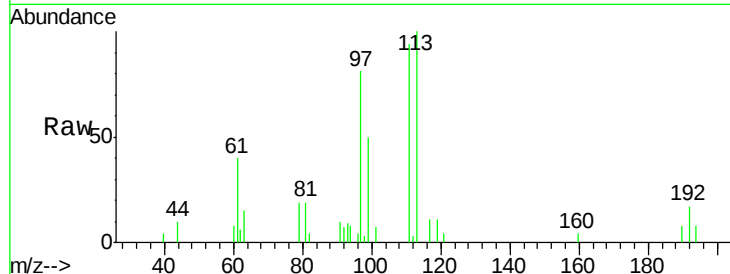
#35
Dibromofluoromethane
Concen: 4.928 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

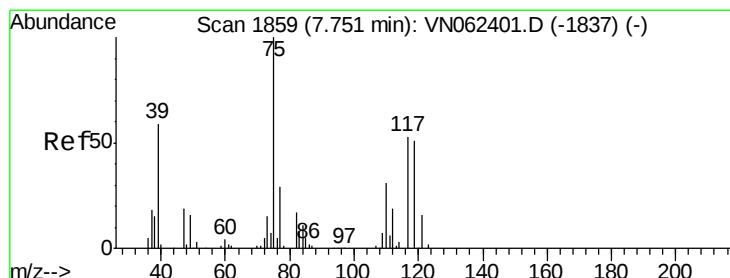
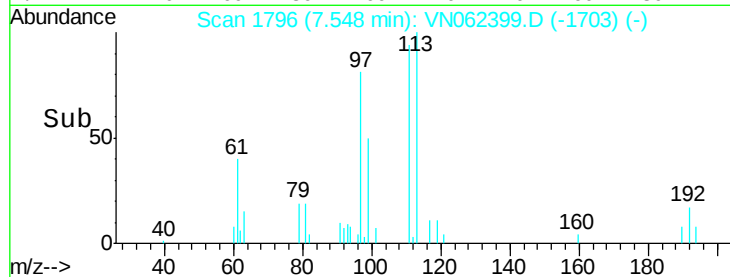
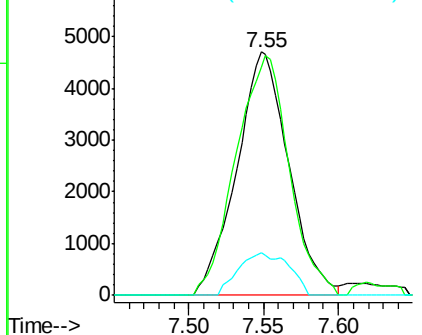
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.1	124.7
192	16.9	14.1	21.1

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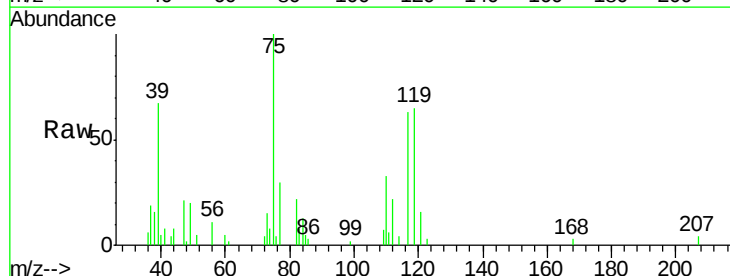


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

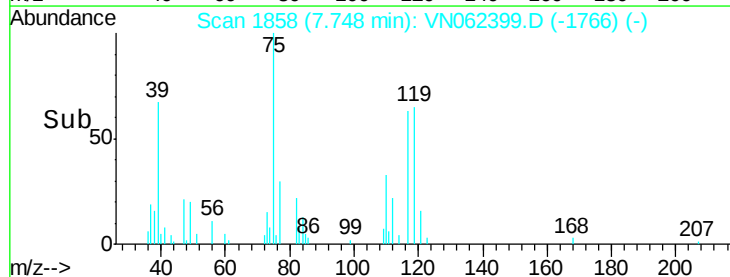
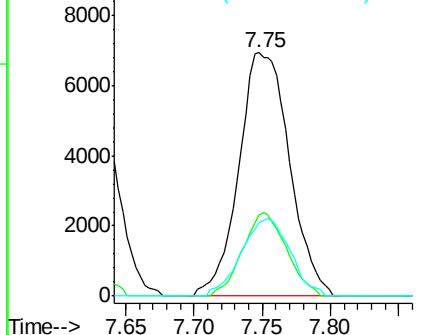


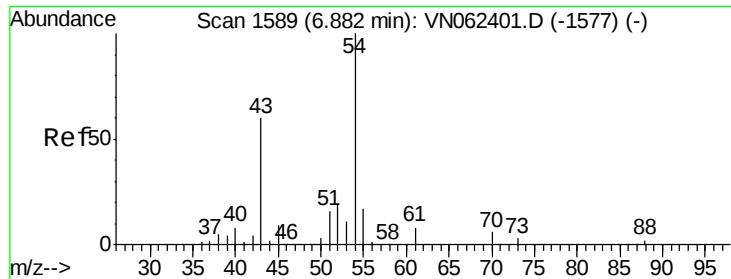
#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.7	15.4	46.2
77	30.7	24.1	36.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





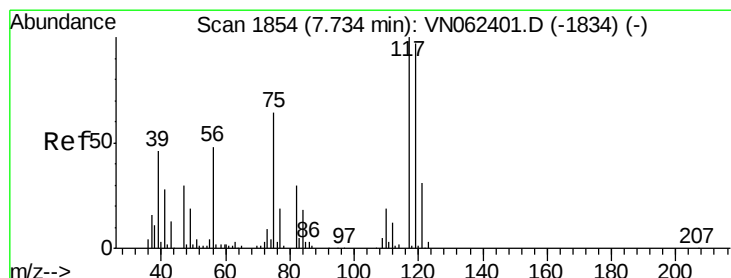
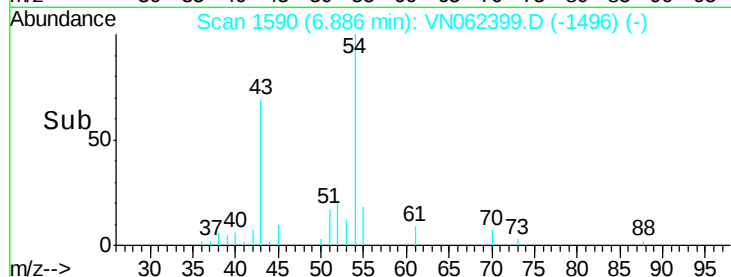
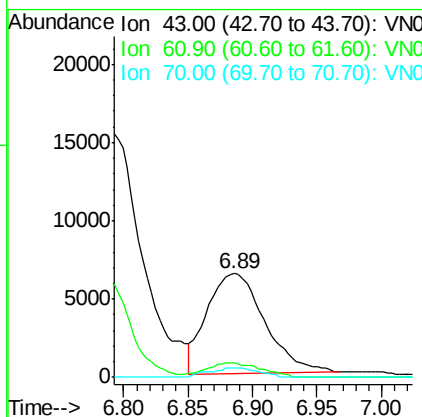
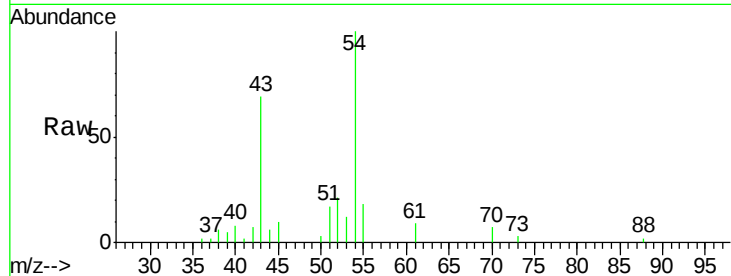
#37
Ethyl Acetate
Concen: 4.727 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	8.1	7.2	10.8

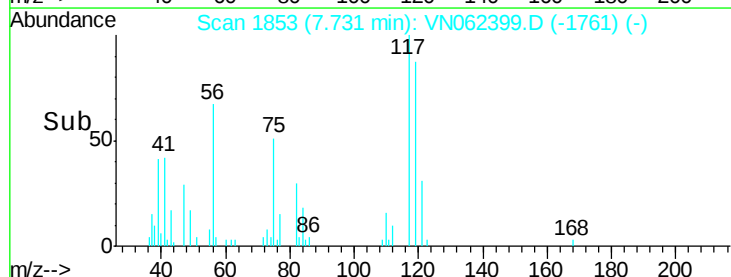
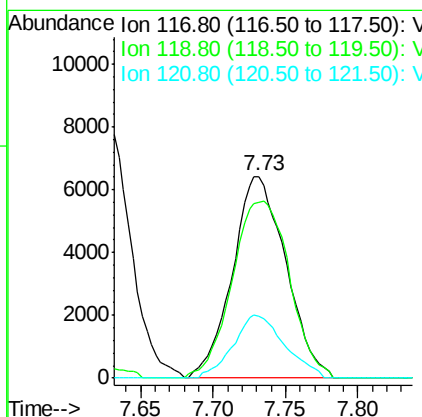
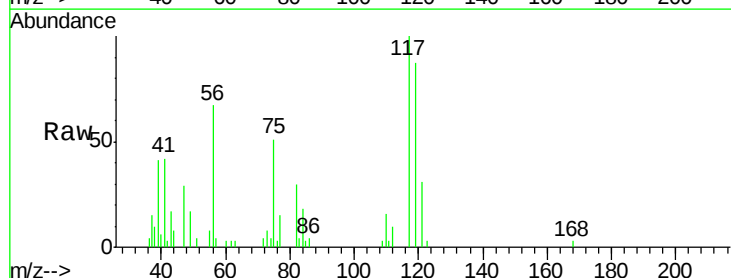
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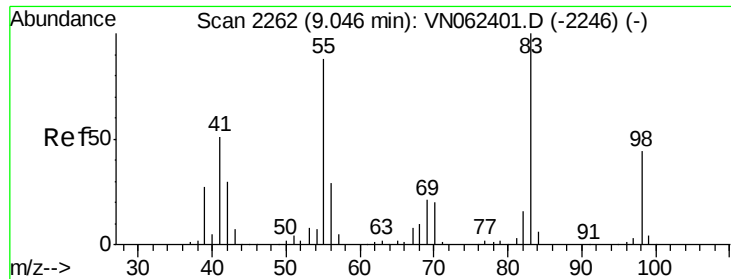
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#38
Carbon Tetrachloride
Concen: 4.573 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.5	77.2	115.8
121	30.5	24.8	37.2





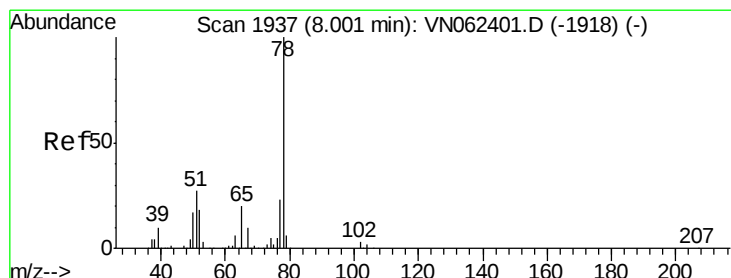
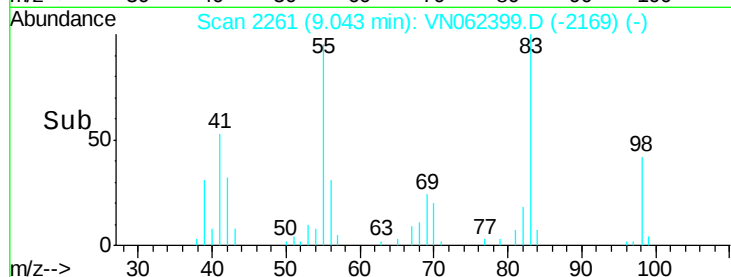
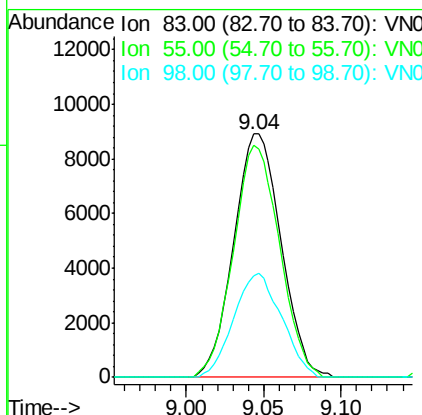
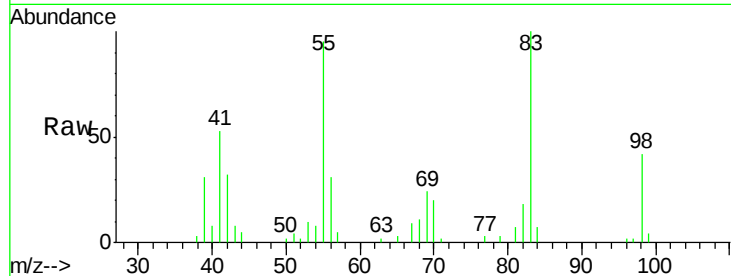
#39
Methvlcvclohexane
Concen: 4.837 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.3	70.5	105.7
98	41.8	35.5	53.3

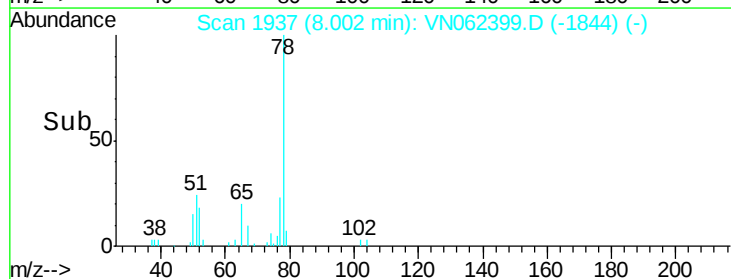
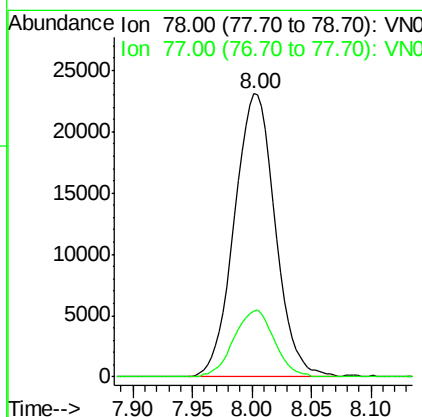
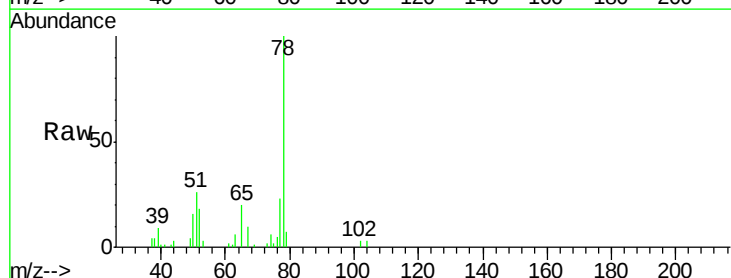
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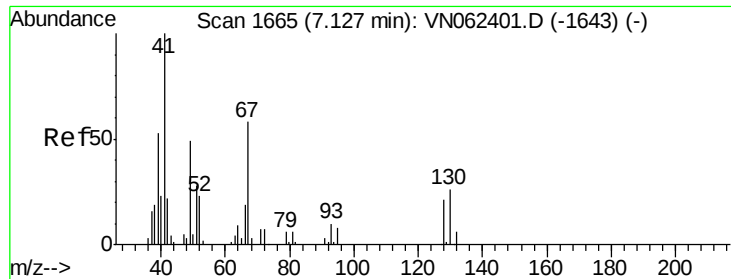
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#40
Benzene
Concen: 5.317 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





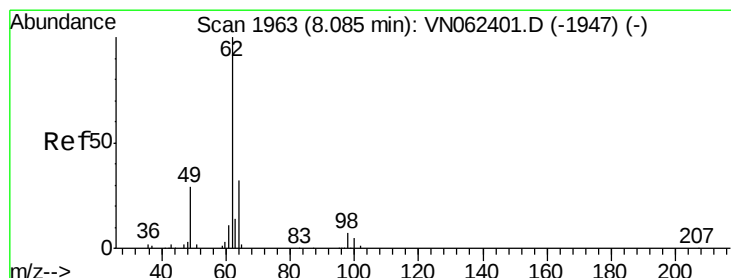
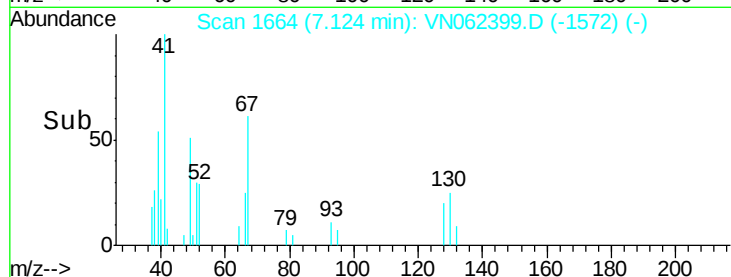
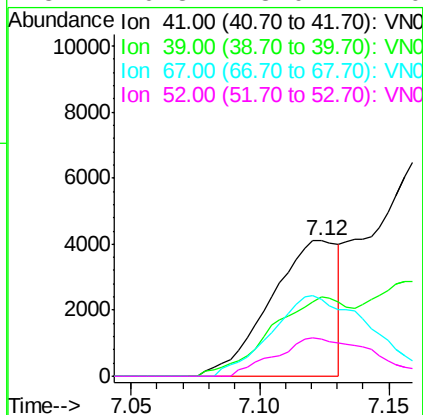
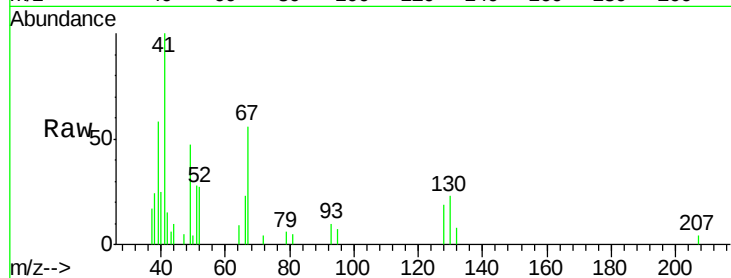
#41
Methacrylonitrile
Concen: 3.541 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	7476
Ion	Ratio	Lower	Upper
41	100		
39	68.8	50.2	75.2
67	89.5	64.2	96.2
52	40.8	28.0	42.0

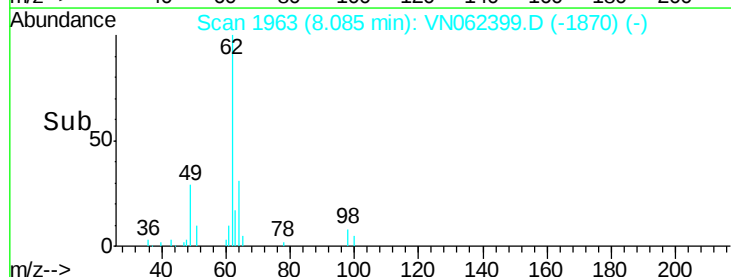
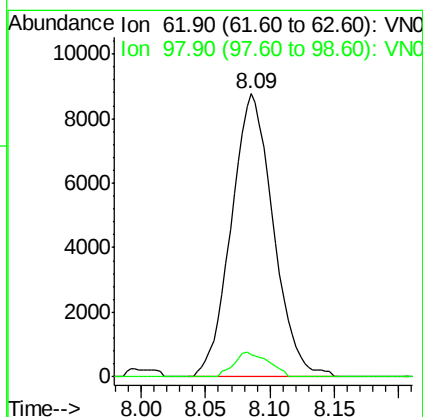
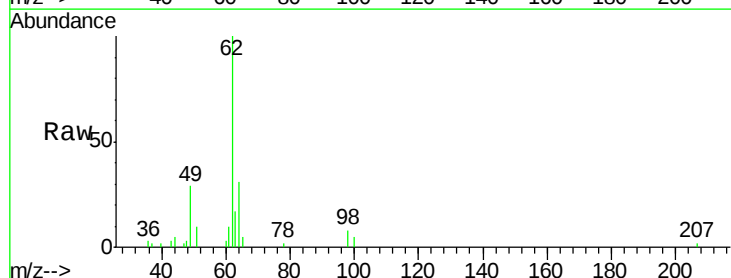
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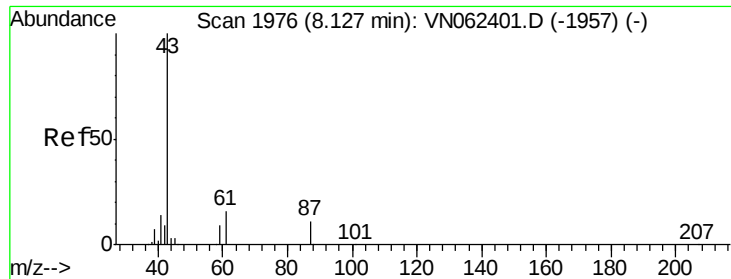
MMDadoda
7/9/2020 10:54:10 AM



#42
1,2-Dichloroethane
Concen: 4.468 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion:	62	Resp:	19878
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.8





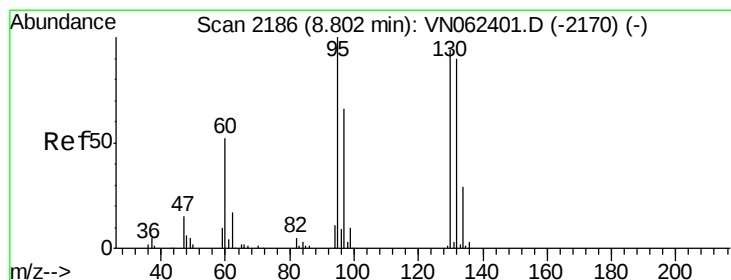
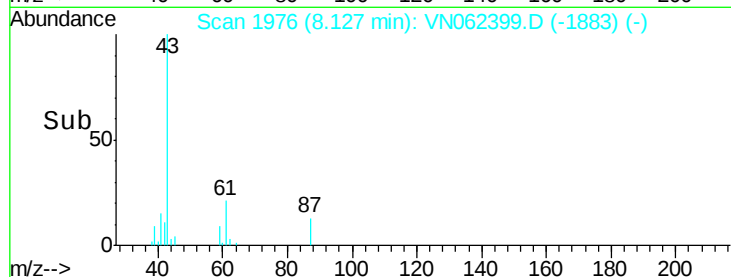
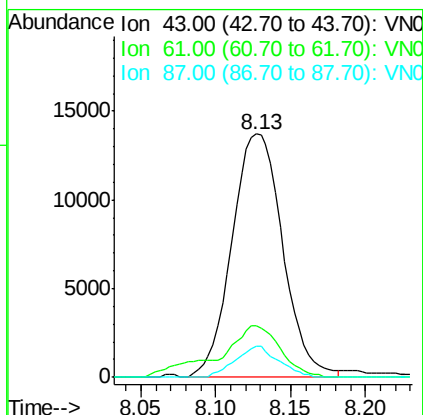
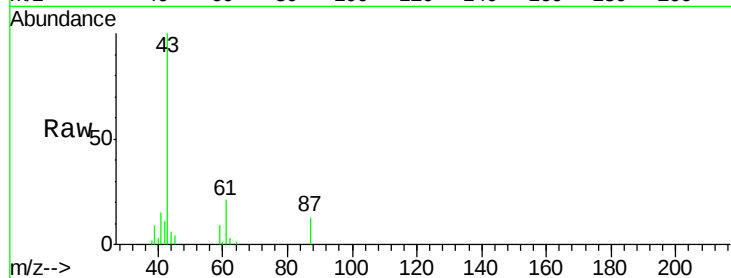
#43
Isopropyl Acetate
Concen: 4.589 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	19.3	28.9
87	10.8	8.6	13.0

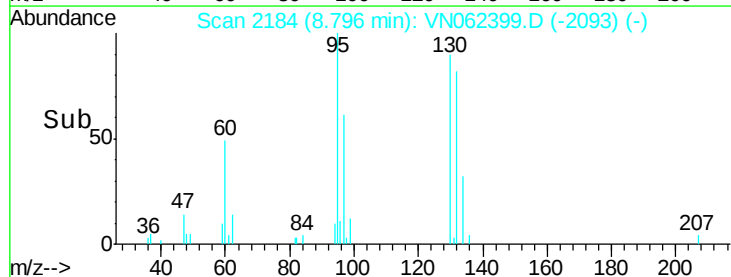
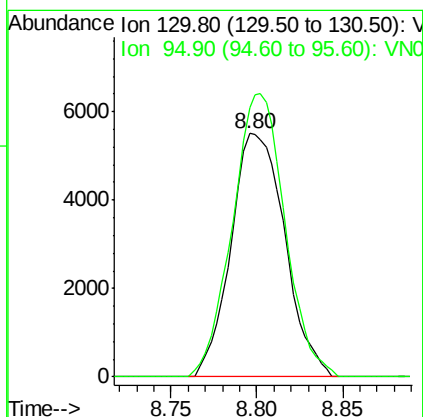
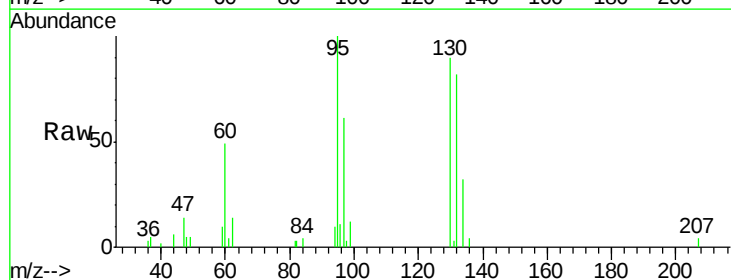
Manual Integrations
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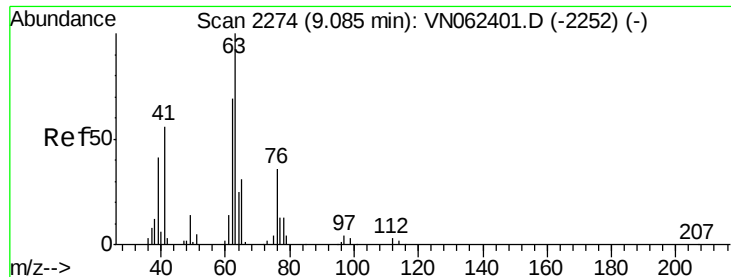
MMDadoda
7/9/2020 10:54:10 AM



#44
Trichloroethene
Concen: 4.889 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.7	0.0	213.8





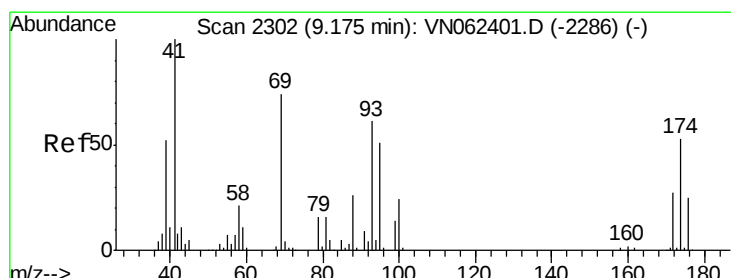
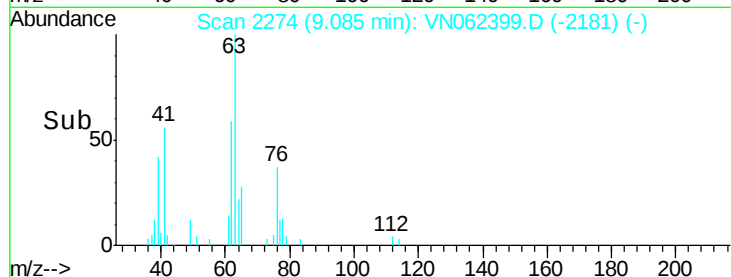
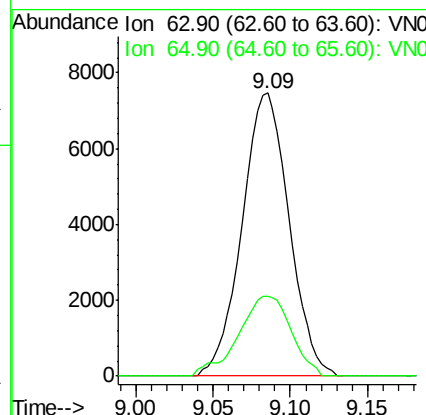
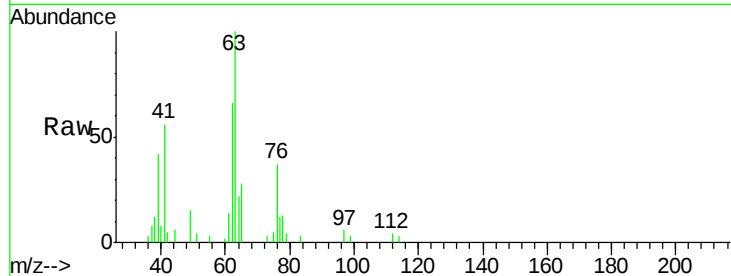
#45
 1,2-Dichloropropane
 Concen: 5.203 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	63	Resp	15806
Ion Ratio	Lower	Upper	
63	100		
65	28.3	24.6	36.8

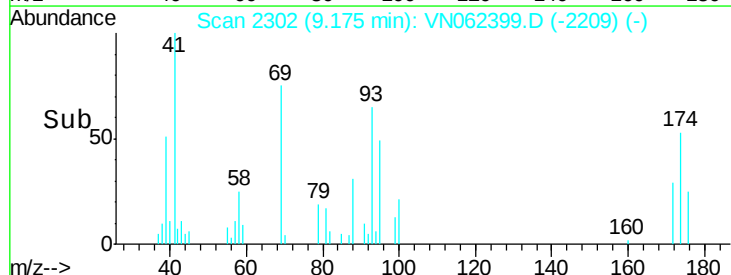
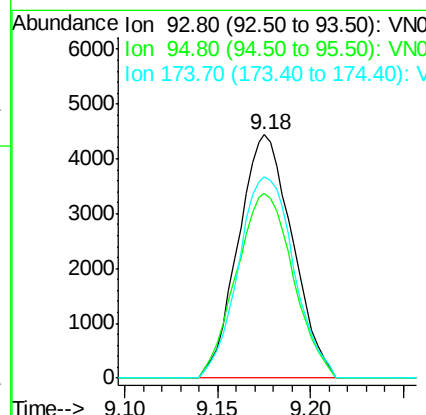
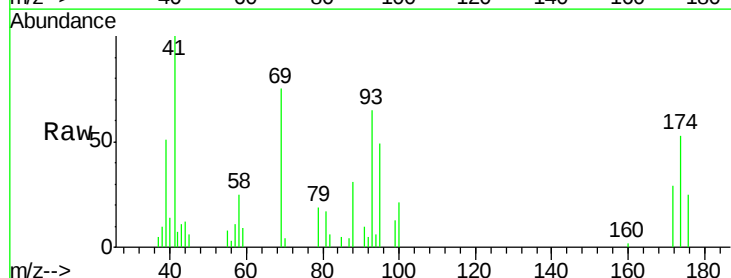
Manual Integrations
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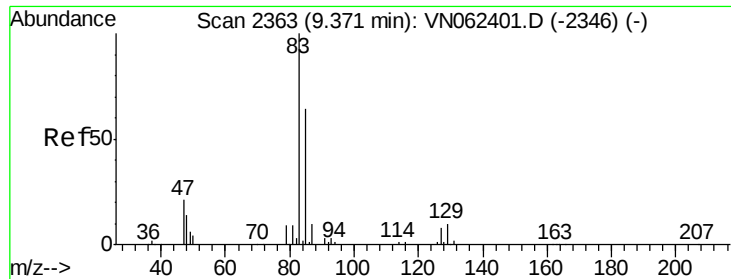
MMDadoda
 7/9/2020 10:54:10 AM



#46
 Dibromomethane
 Concen: 4.856 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion	93	Resp	9005
Ion Ratio	Lower	Upper	
93	100		
95	79.5	67.1	100.7
174	84.9	70.4	105.6





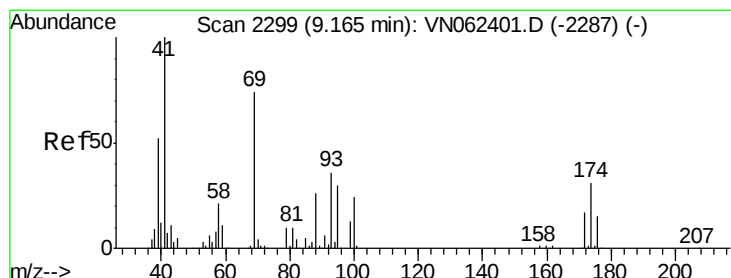
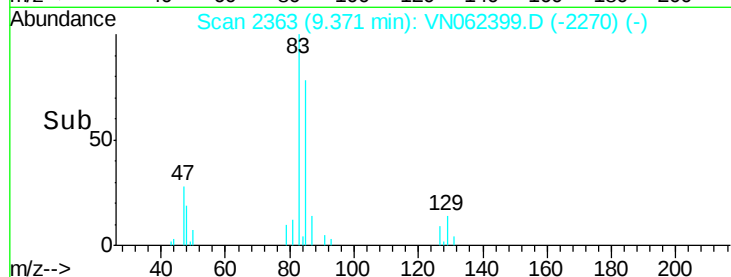
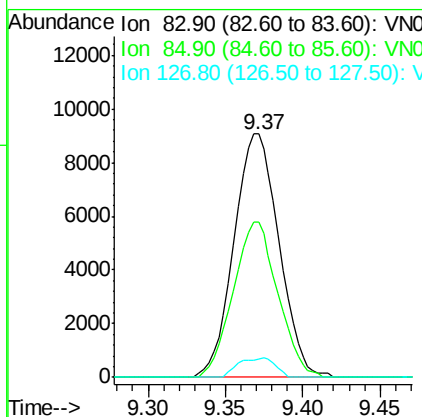
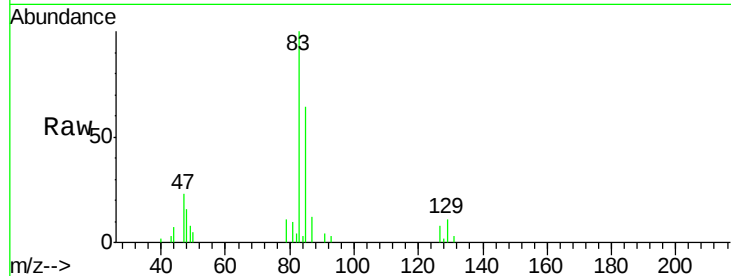
#47
Bromodichloromethane
Concen: 4.627 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	7.7	6.2	9.2

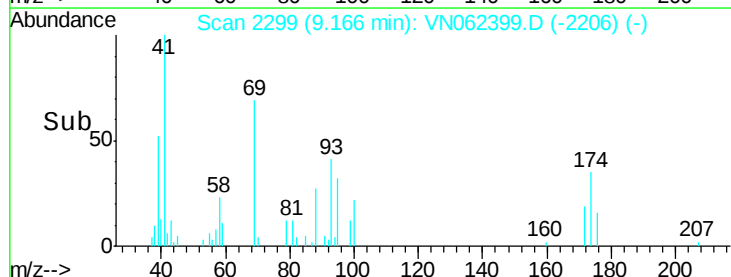
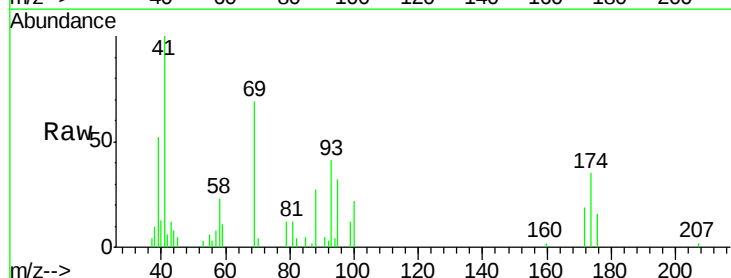
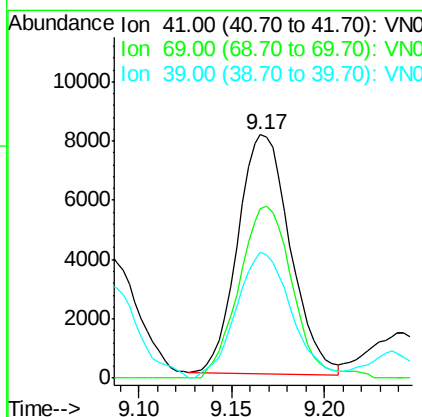
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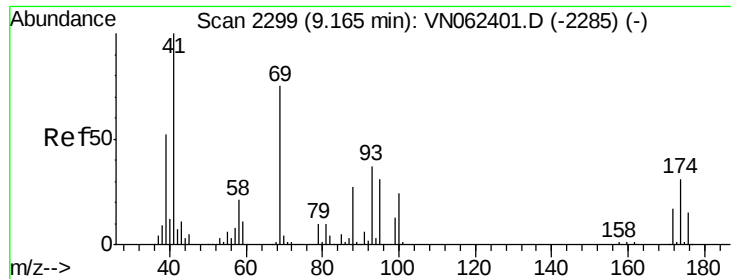
MMDadoda
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#48
Methyl methacrylate
Concen: 4.433 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.2	60.8	91.2
39	55.0	43.5	65.3





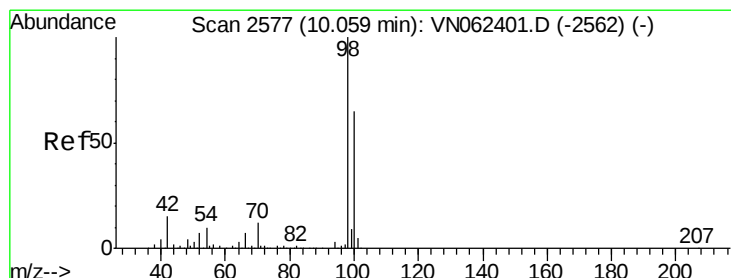
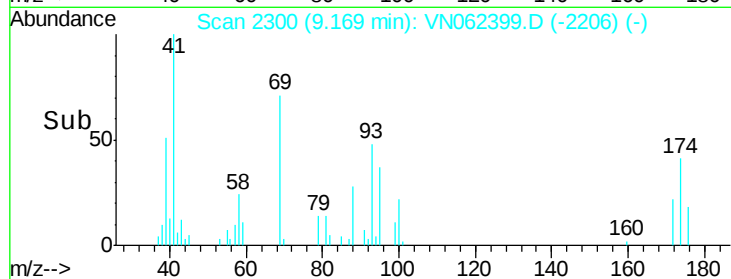
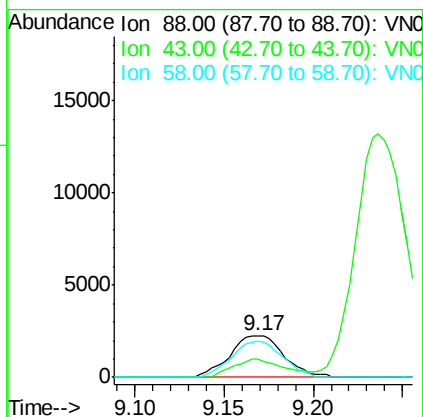
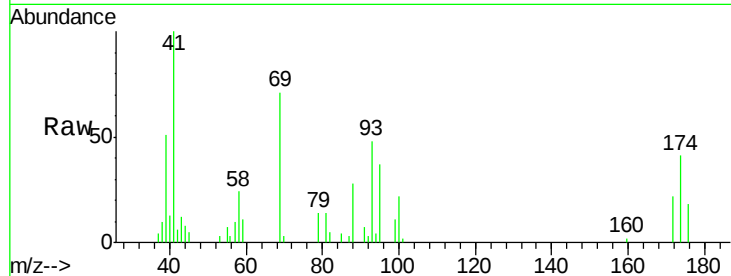
#49
1,4-Dioxane
Concen: 97.207 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	31.0	46.4
58	81.4	63.3	94.9

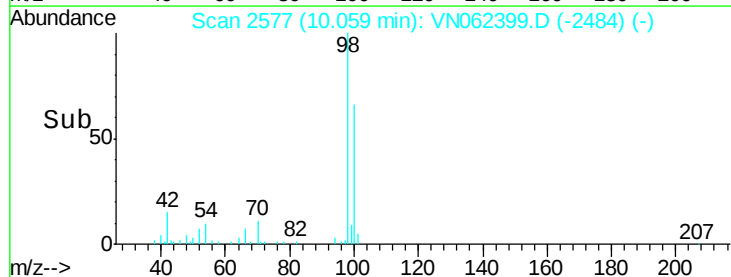
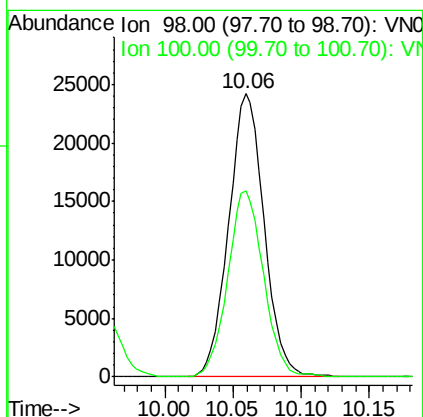
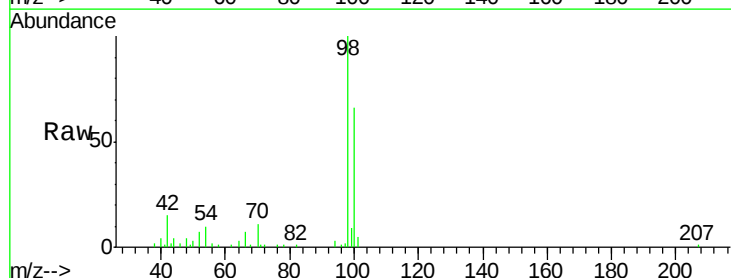
Manual Integrations
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7/9/2020 10:54:10 AM



#50
Toluene-d8
Concen: 5.052 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 25.415 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 97037

Ion Ratio Lower Upper

43 100

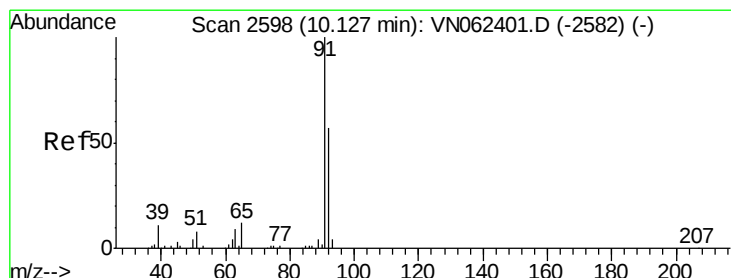
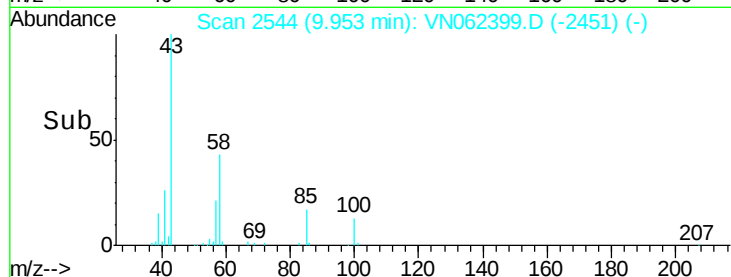
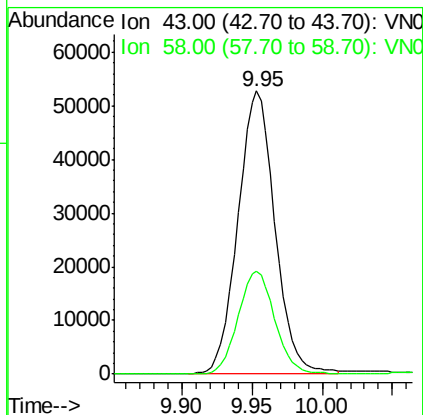
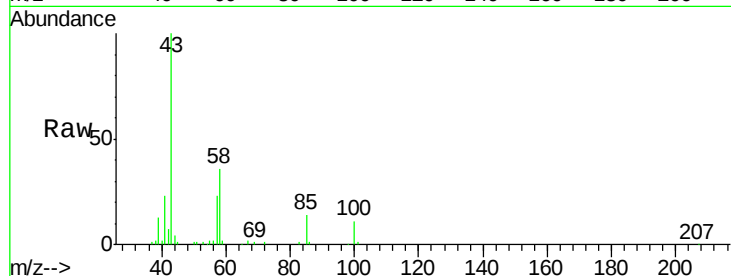
58 36.0 29.0 43.6

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7/9/2020 10:54:10 AM



#52

Toluene

Concen: 5.004 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062399.D

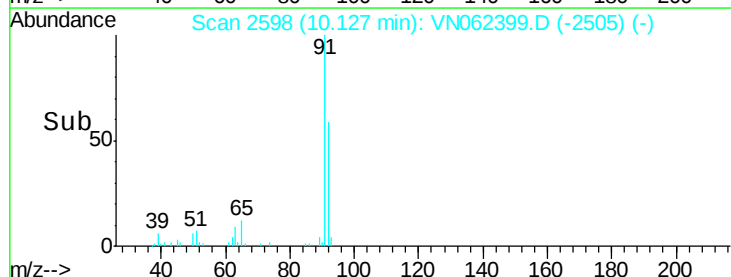
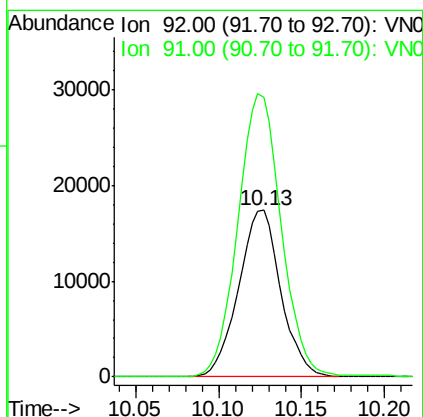
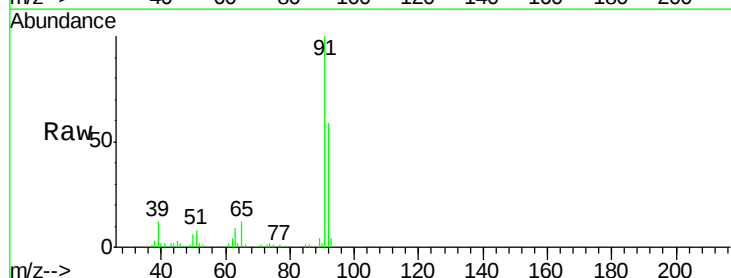
Acq: 8 Jul 2020 10:38

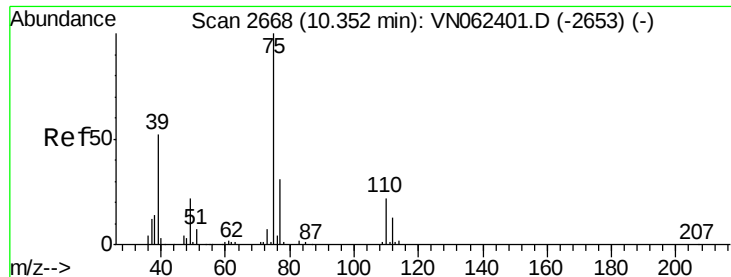
Tgt Ion: 92 Resp: 30722

Ion Ratio Lower Upper

92 100

91 174.7 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 4.640 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 19759

Ion Ratio Lower Upper

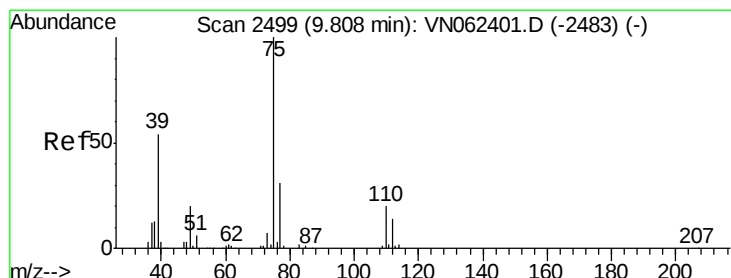
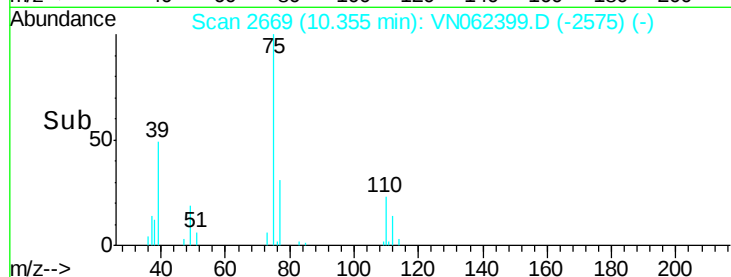
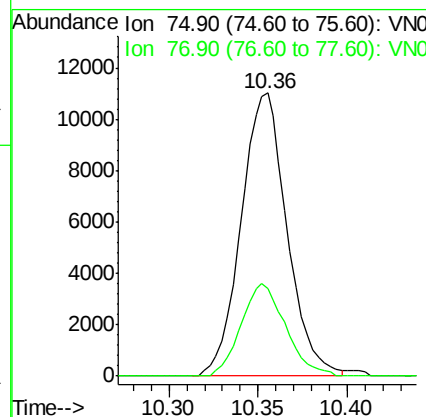
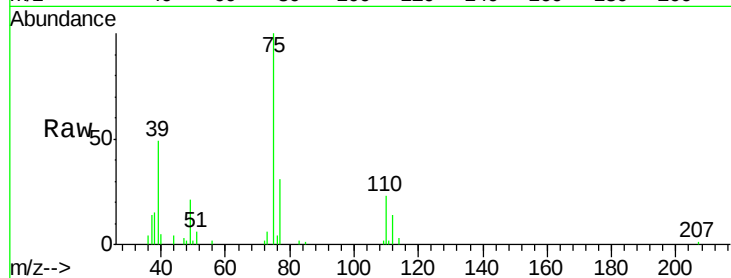
75 100

77 31.2 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 4.718 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

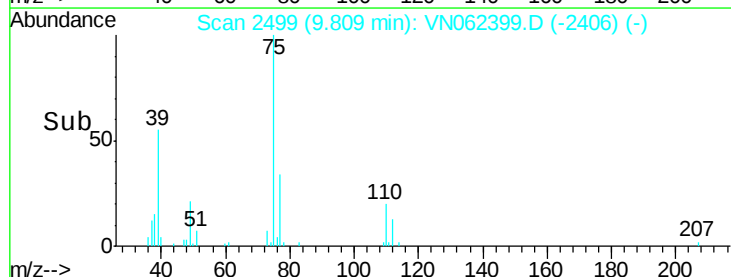
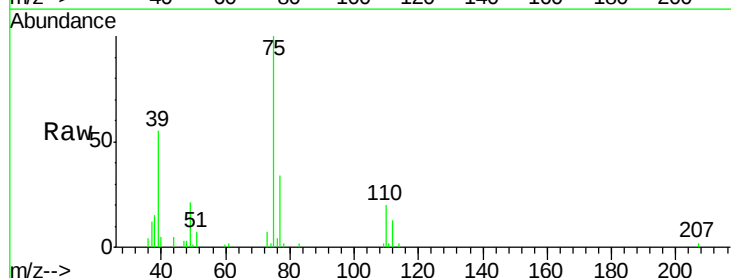
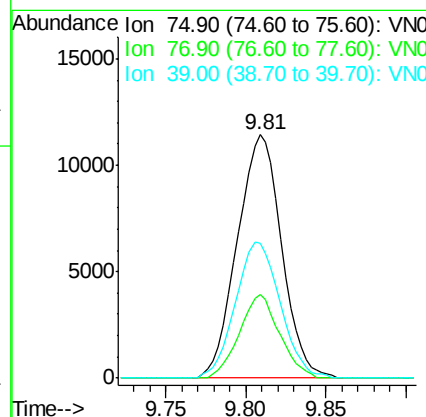
Tgt Ion: 75 Resp: 21628

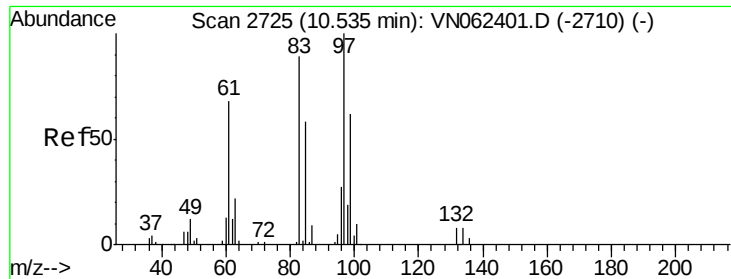
Ion Ratio Lower Upper

75 100

77 34.4 24.5 36.7

39 55.2 43.4 65.0





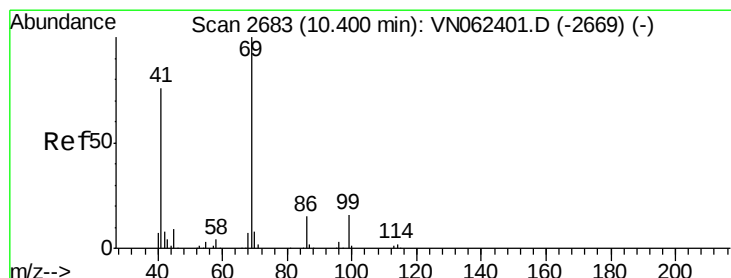
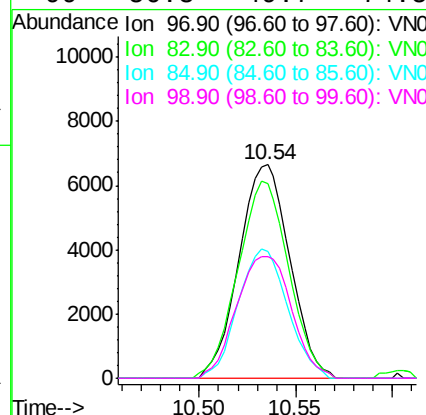
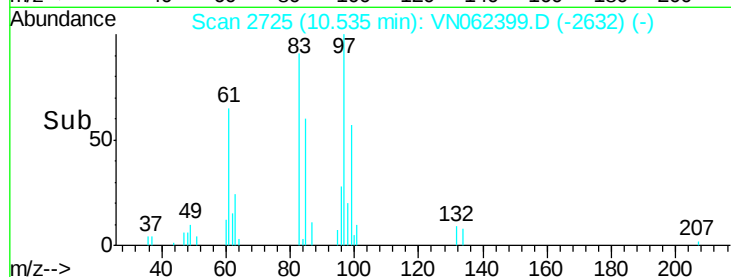
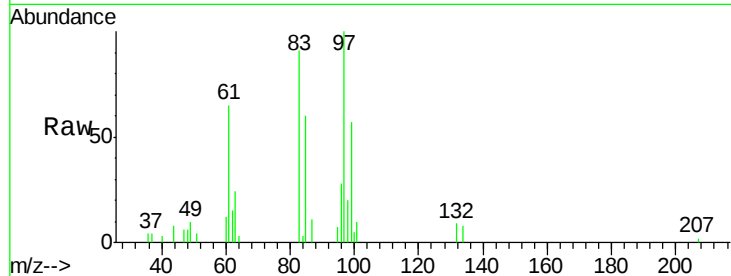
#55
 1,1,2-Trichloroethane
 Concen: 4.905 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	12138
Ion	Ratio	Lower	Upper
97	100		
83	91.2	71.0	106.4
85	59.5	46.2	69.4
99	56.8	49.7	74.5

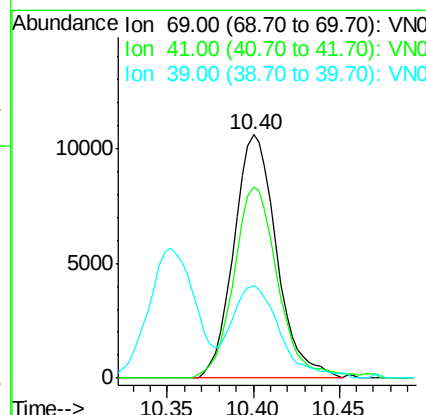
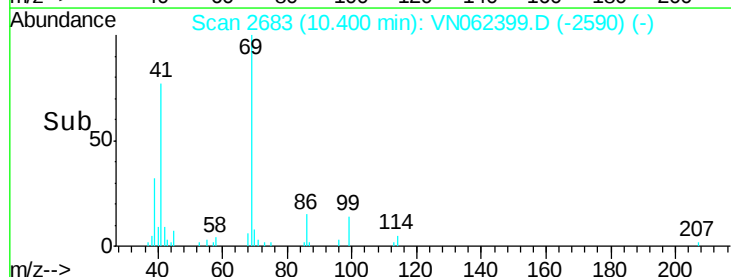
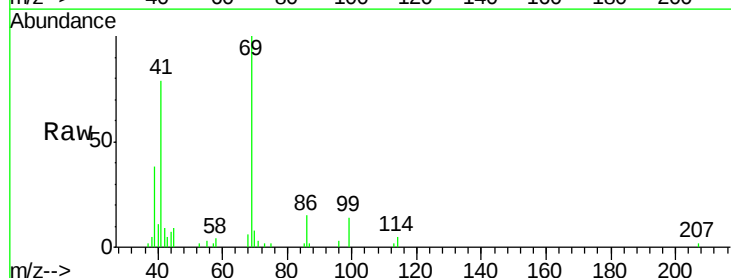
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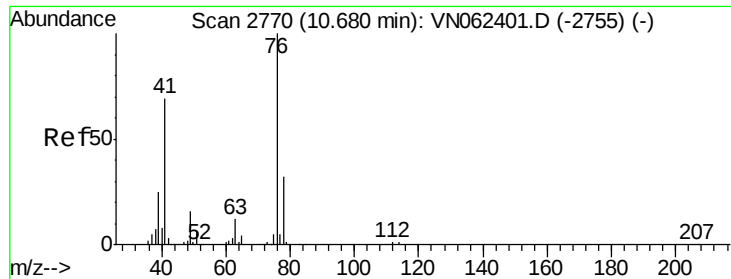
MMDadoda
 7/9/2020 10:54:10 AM



#56
 Ethyl methacrylate
 Concen: 4.600 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion:	69	Resp:	18378
Ion	Ratio	Lower	Upper
69	100		
41	81.0	59.7	89.5
39	43.4	30.6	45.8





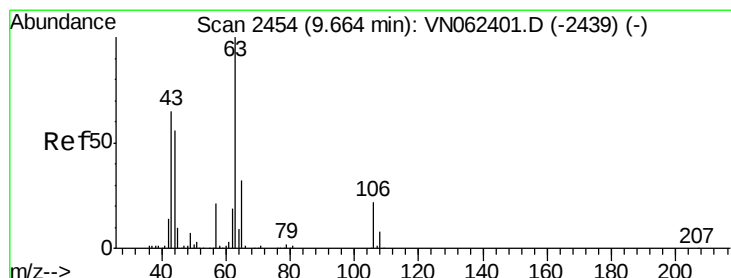
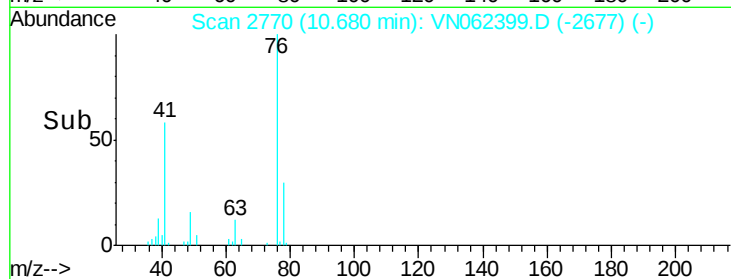
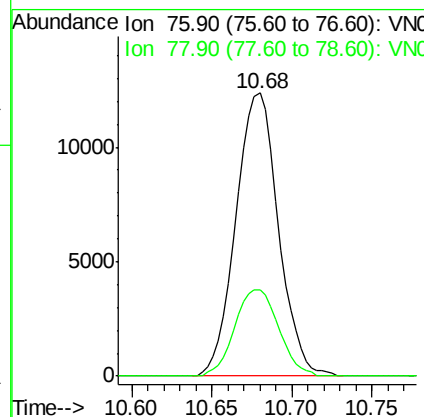
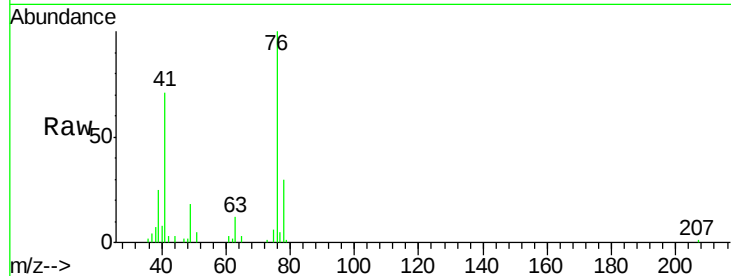
#57
 1,3-Dichloropropane
 Concen: 4.890 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.6	38.4

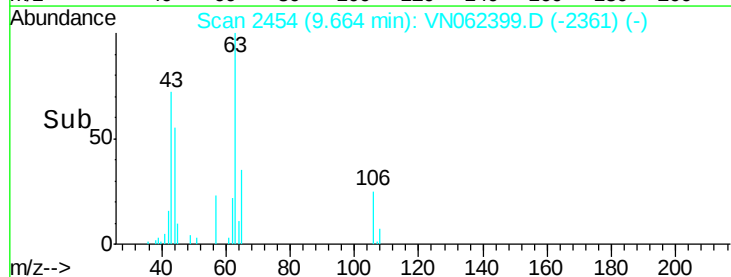
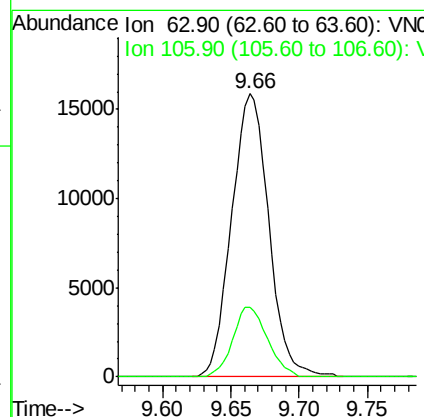
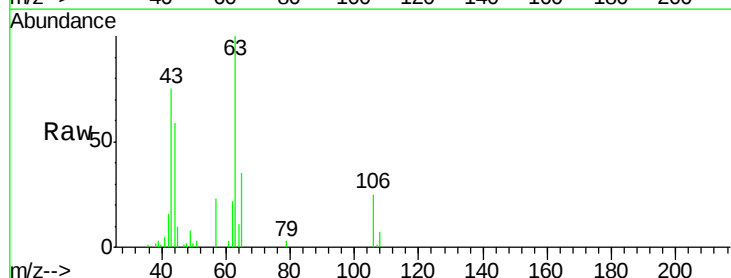
Manual Integrations
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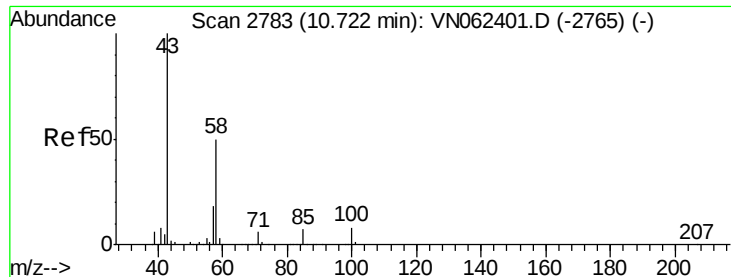
MMDadoda
 7/9/2020 10:54:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.290 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.9	17.6	26.4





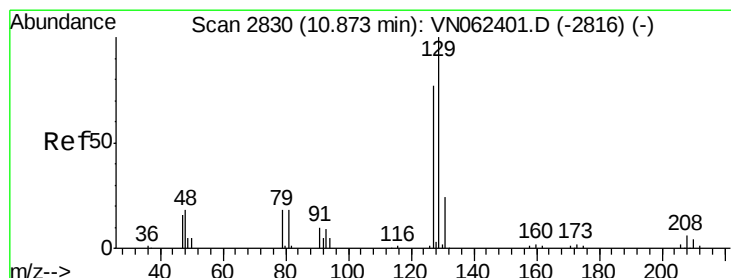
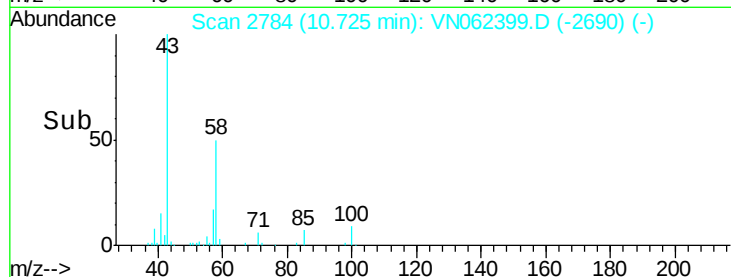
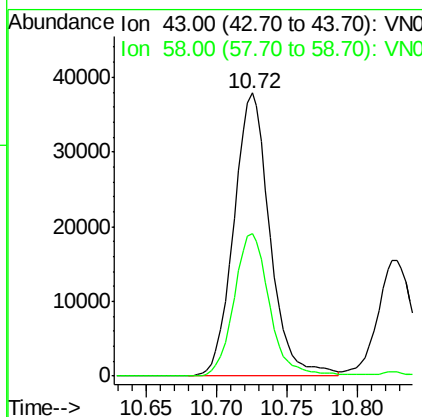
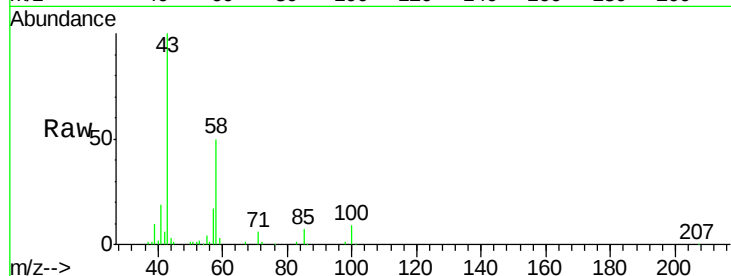
#59
2-Hexanone
Concen: 23.676 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 67877
Ion Ratio Lower Upper
43 100
58 49.4 25.1 75.2

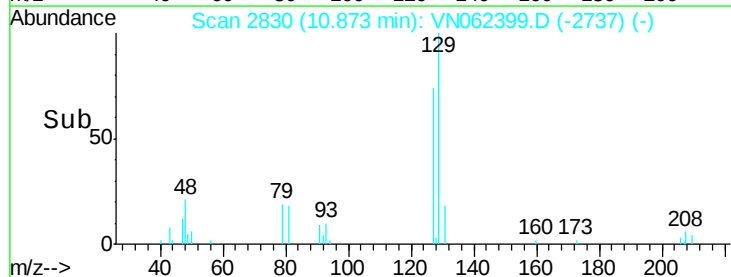
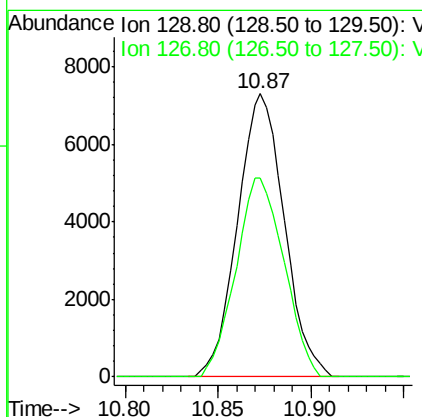
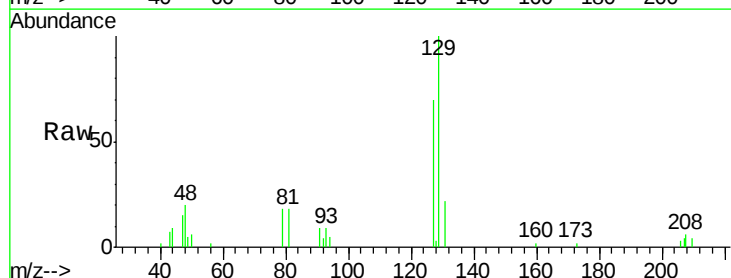
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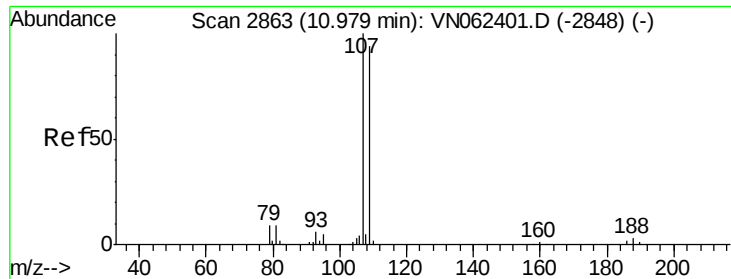
MMDadoda
7/9/2020 10:54:10 AM



#60
Dibromochloromethane
Concen: 4.580 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion: 129 Resp: 12769
Ion Ratio Lower Upper
129 100
127 72.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.761 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 12039

Ion Ratio Lower Upper

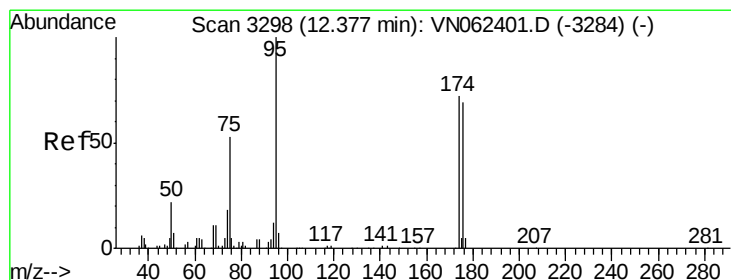
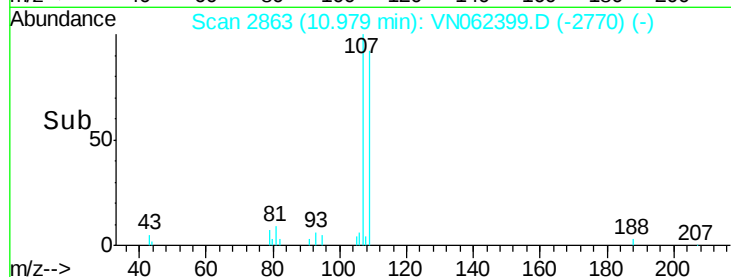
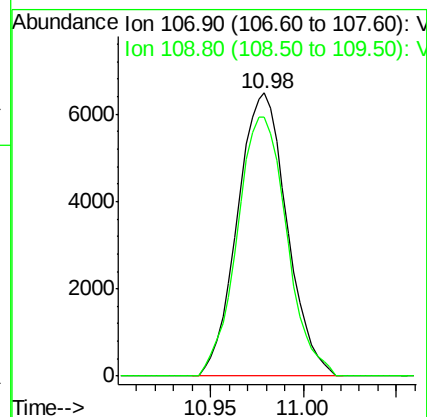
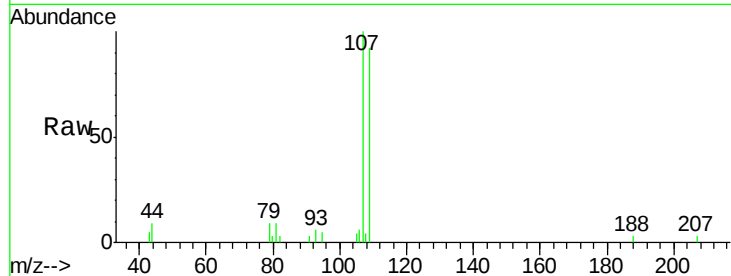
107 100

109 91.9 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 4.615 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

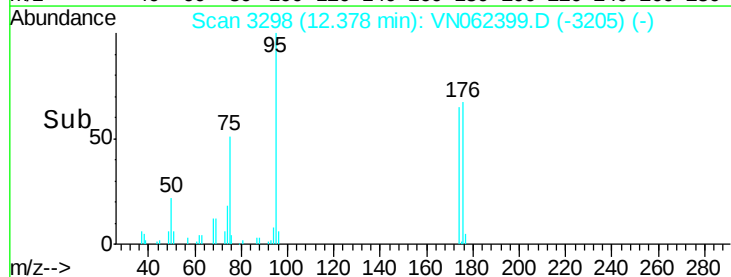
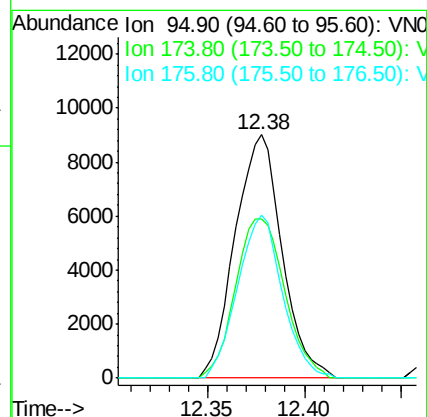
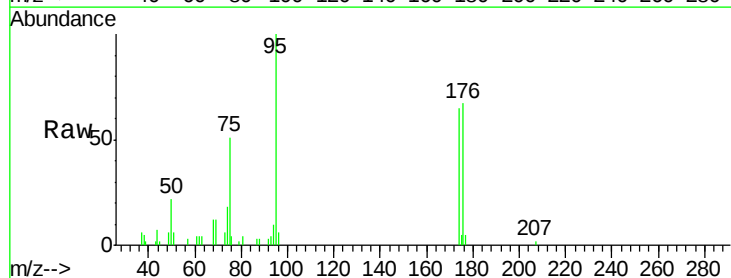
Tgt Ion: 95 Resp: 15187

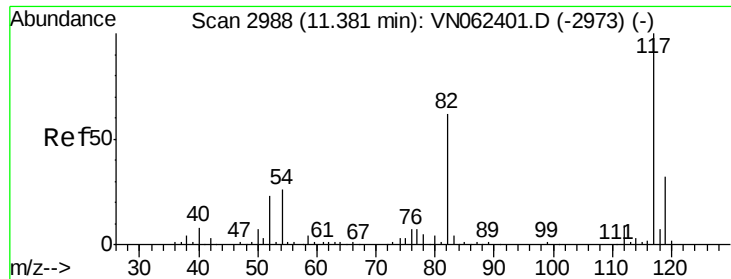
Ion Ratio Lower Upper

95 100

174 69.1 0.0 141.6

176 64.0 0.0 137.2





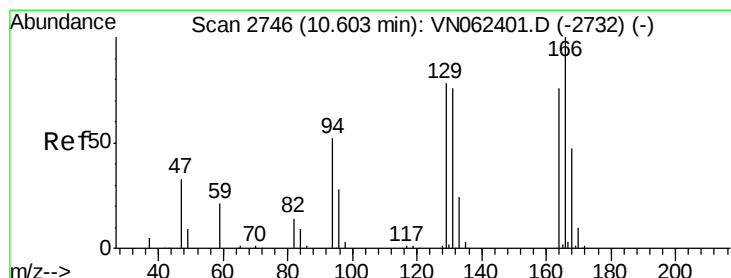
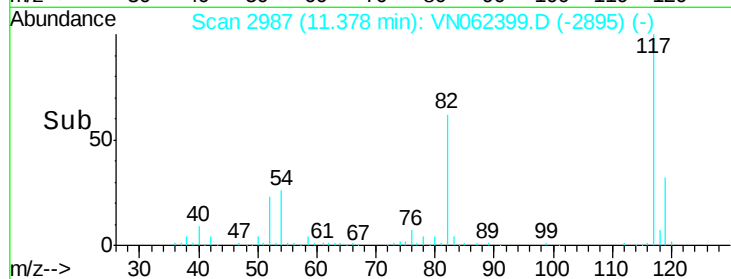
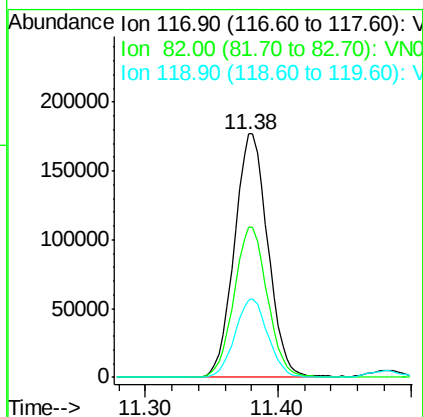
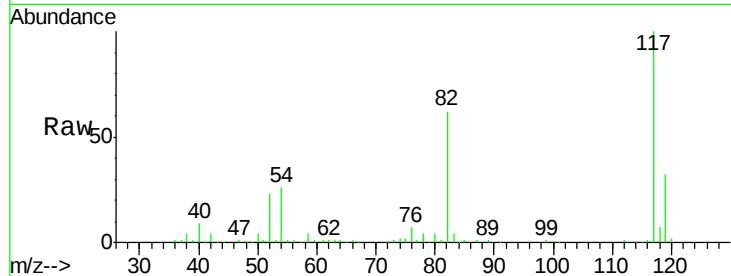
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.6	74.4
119	31.9	25.4	38.0

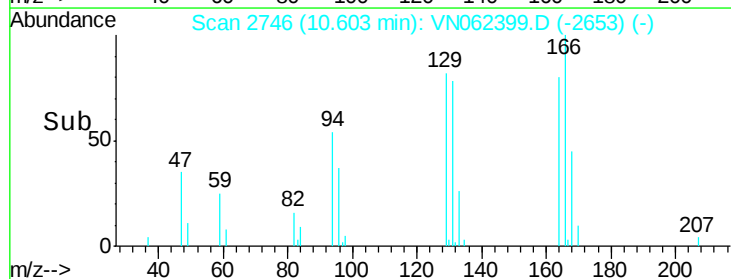
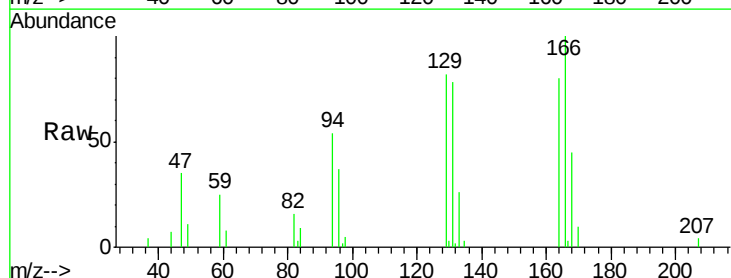
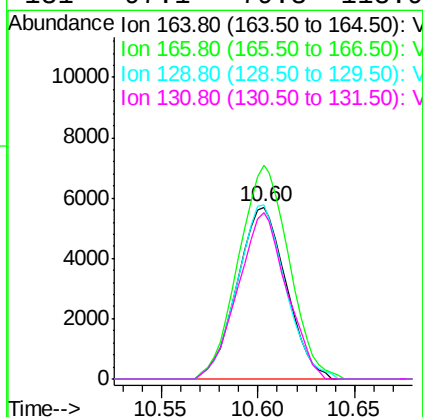
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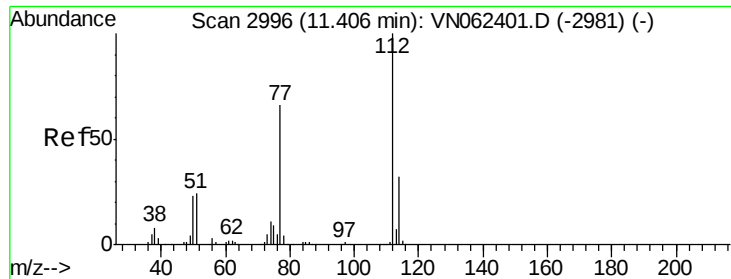
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#64
Tetrachloroethene
Concen: 5.040 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	104.9	157.3
129	101.5	81.8	122.6
131	97.1	79.3	118.9





#65

Chlorobenzene

Concen: 4.912 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 31353

Ion Ratio Lower Upper

112 100

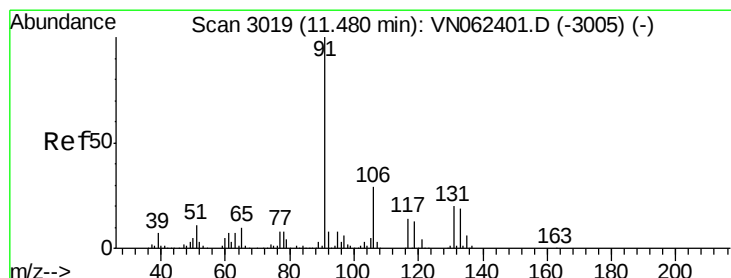
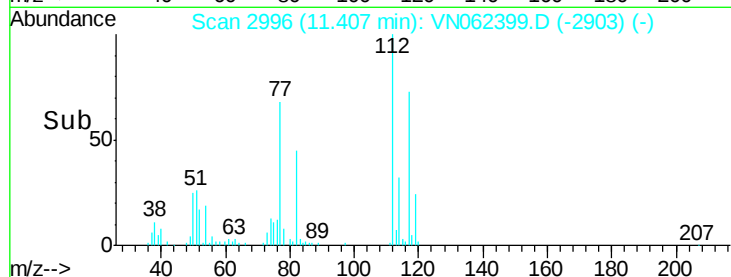
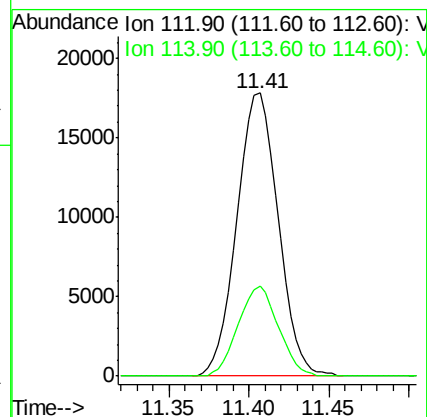
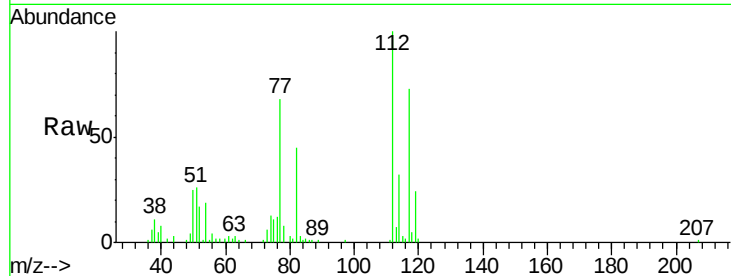
114 31.8 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.921 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

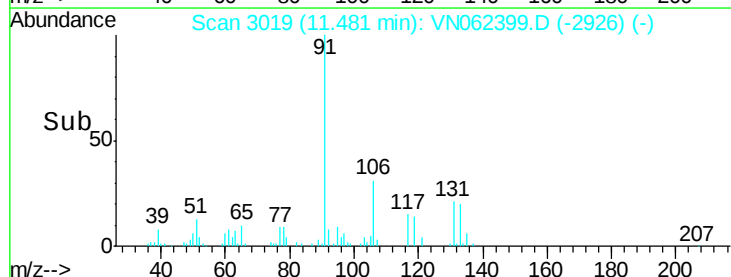
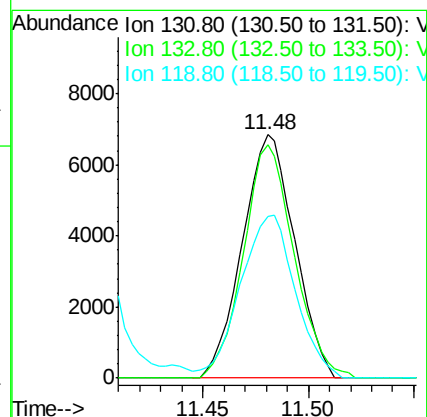
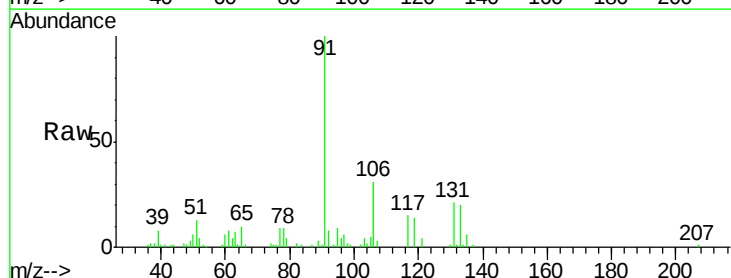
Tgt Ion:131 Resp: 11786

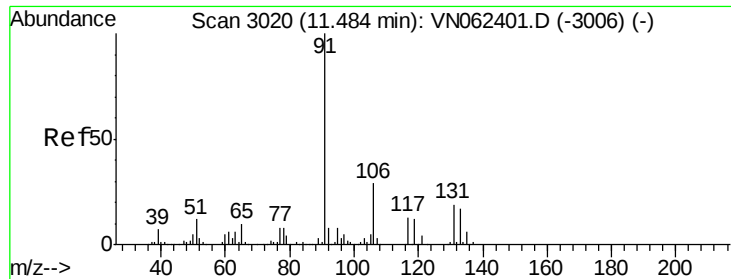
Ion Ratio Lower Upper

131 100

133 93.1 46.9 140.8

119 70.6 33.2 99.6





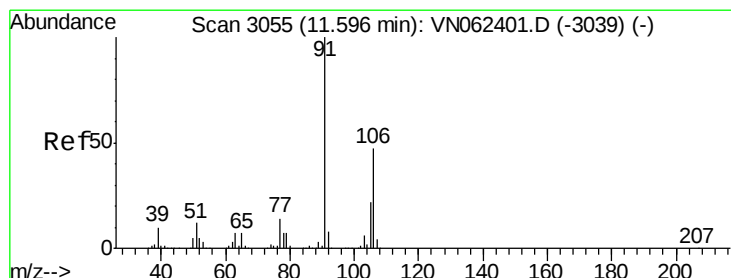
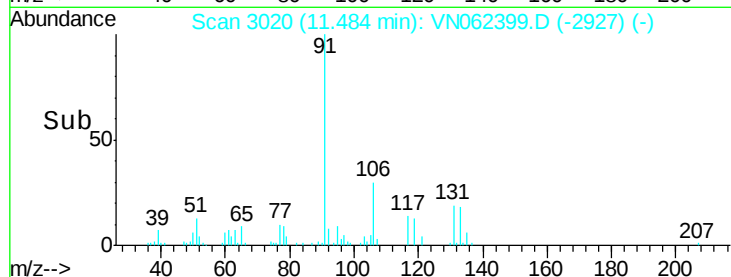
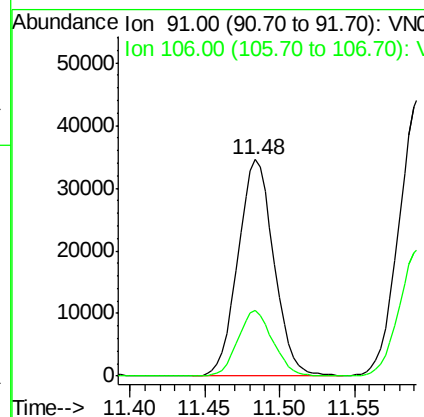
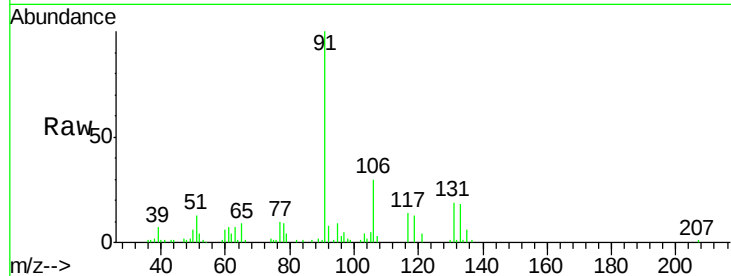
#67
Ethyl Benzene
Concen: 5.125 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 57882
Ion Ratio Lower Upper
91 100
106 30.5 23.4 35.2

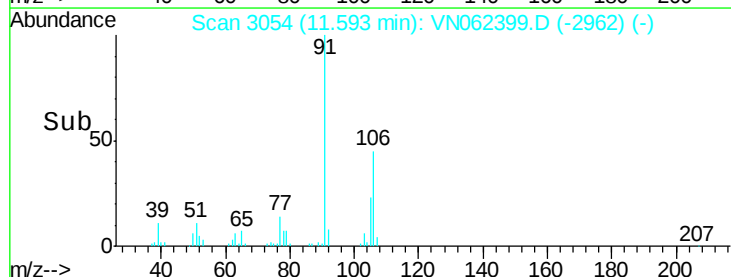
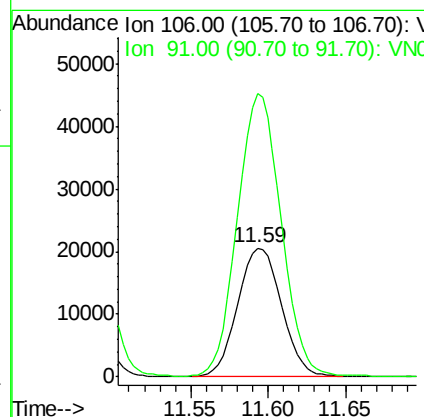
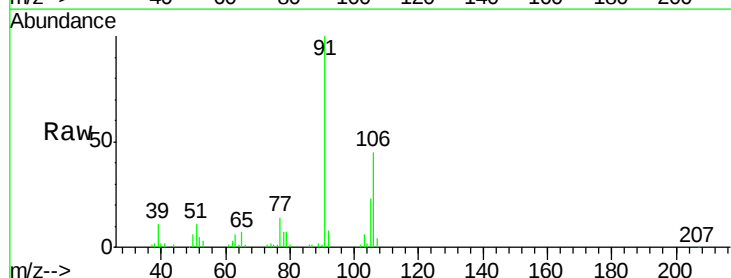
Manual Integrations
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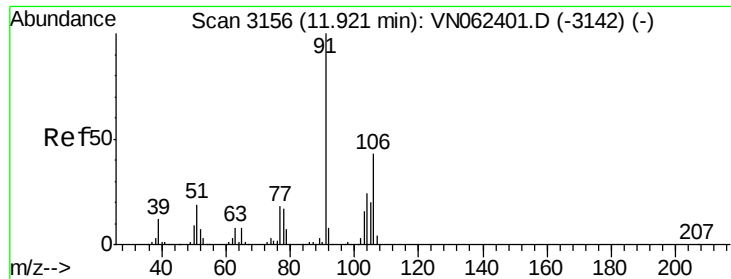
MMDadoda
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#68
m/p-Xylenes
Concen: 9.831 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion: 106 Resp: 40590
Ion Ratio Lower Upper
106 100
91 219.3 172.4 258.6





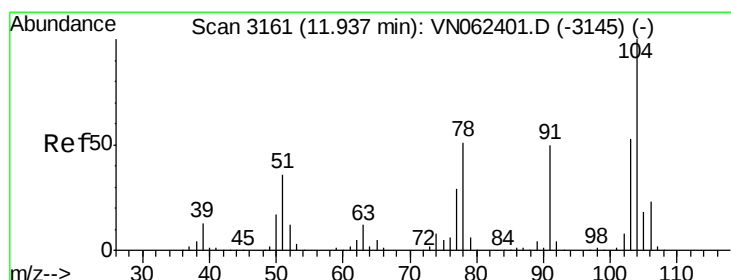
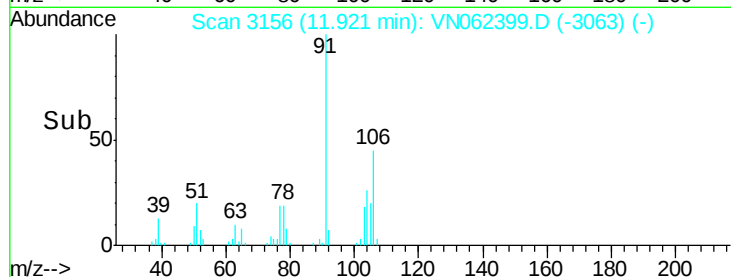
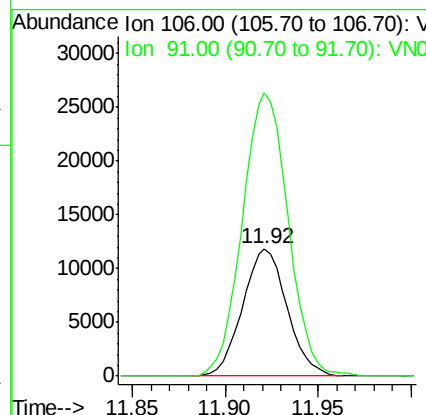
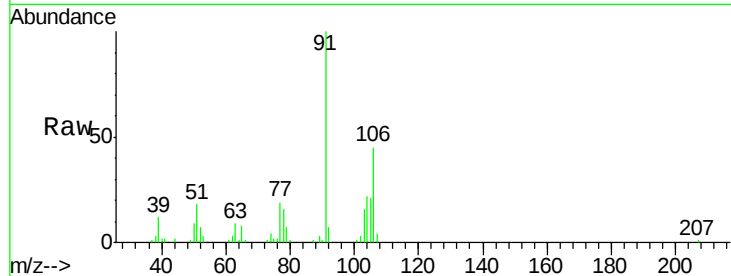
#69
o-Xylene
Concen: 4.847 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	229.2	113.8	341.4	

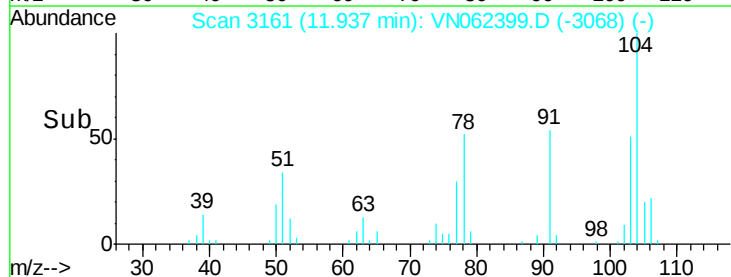
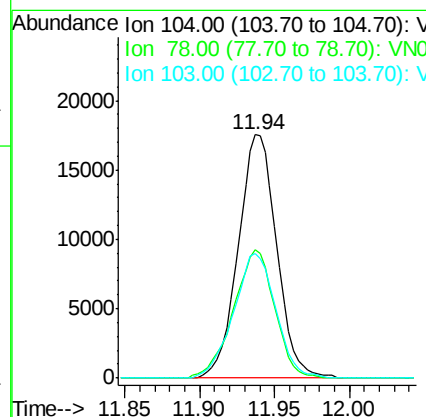
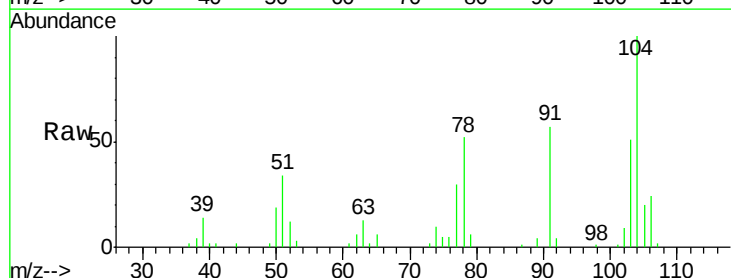
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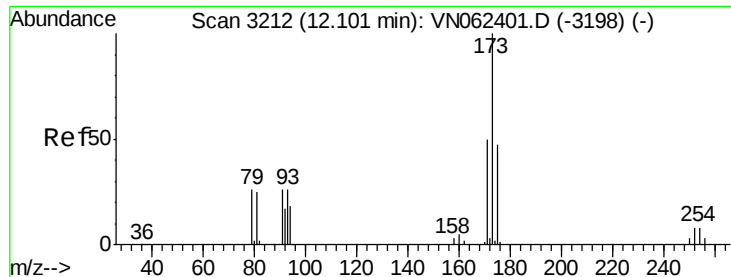
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#70
Styrene
Concen: 4.660 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	56.1	44.2	66.4	
103	56.3	44.4	66.6	





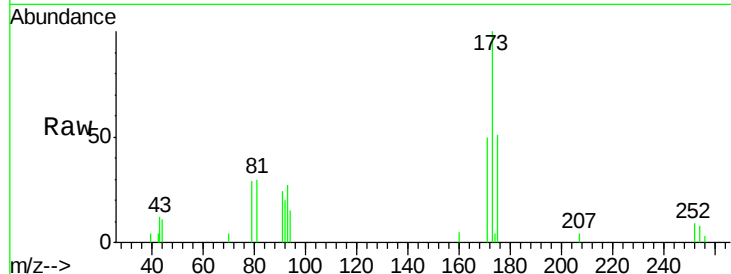
#71
Bromoform
Concen: 4.347 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.7	71.1
254	0.0	0.0	0.0

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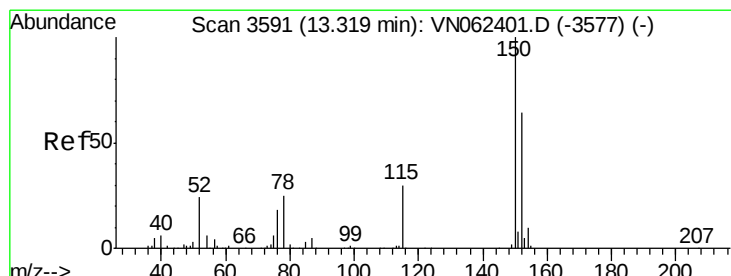
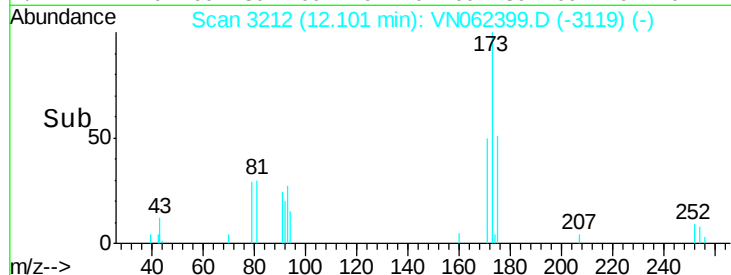
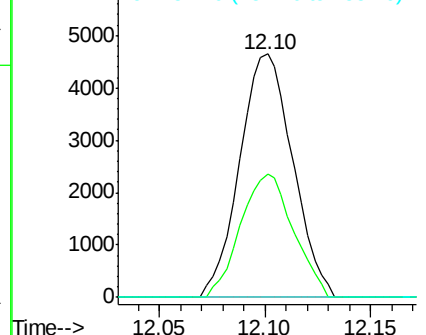


Abundance

Ion 172.70 (172.40 to 173.40): V

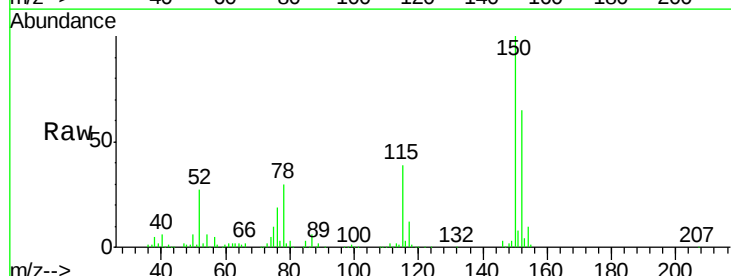
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.4	94.2
150	157.0	0.0	347.4

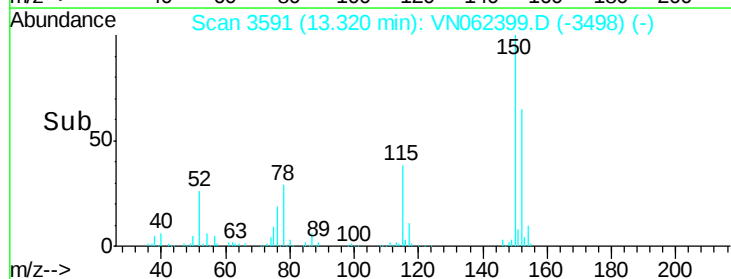
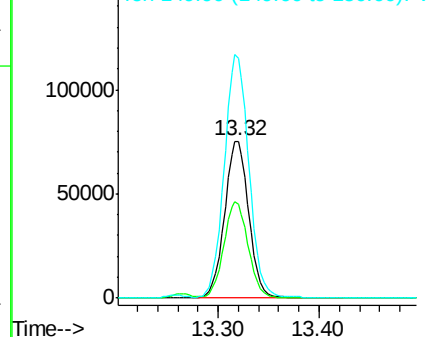


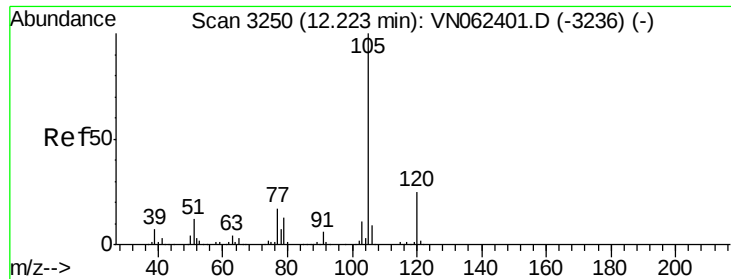
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.548 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 52522

Ion Ratio Lower Upper

105 100

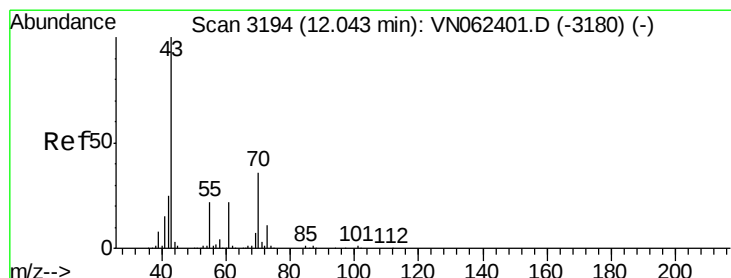
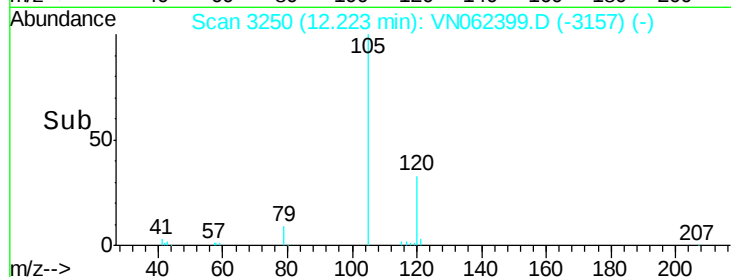
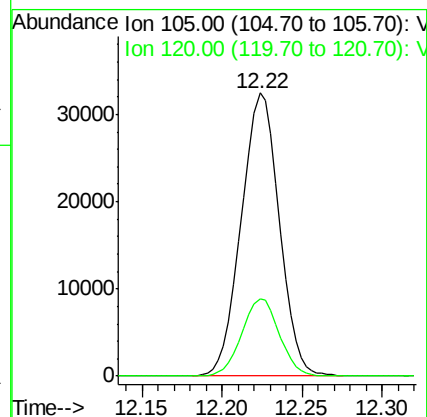
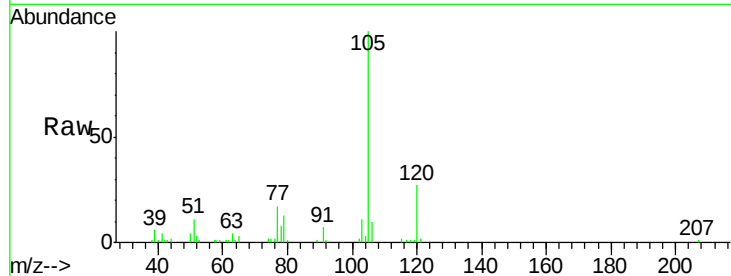
120 26.8 12.7 38.1

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#74

N-ethyl acetate

Concen: 4.873 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion: 43 Resp: 24437

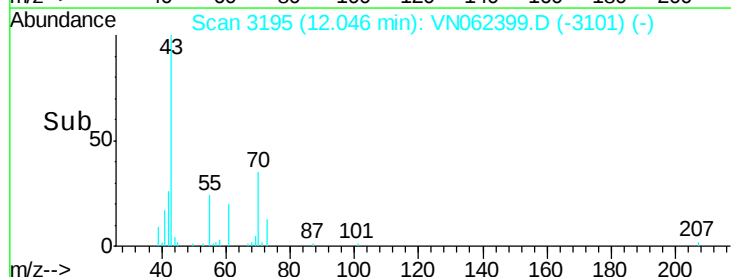
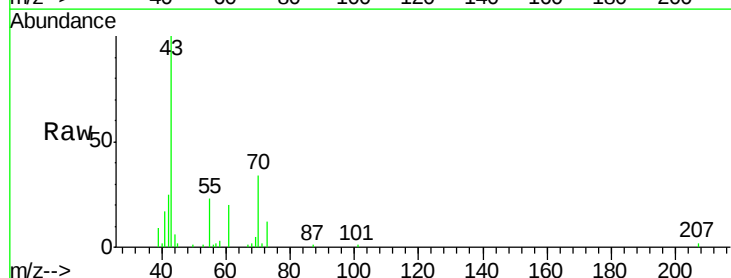
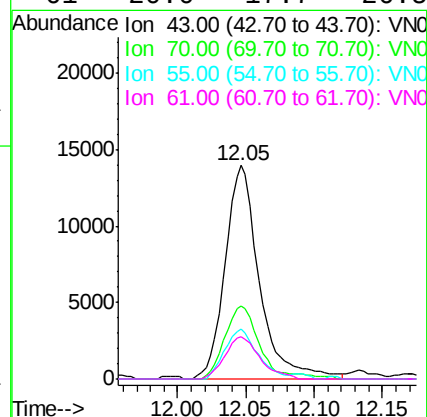
Ion Ratio Lower Upper

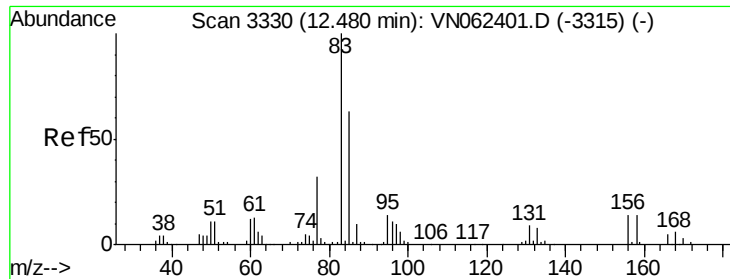
43 100

70 34.8 30.0 45.0

55 22.1 18.2 27.4

61 20.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.605 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

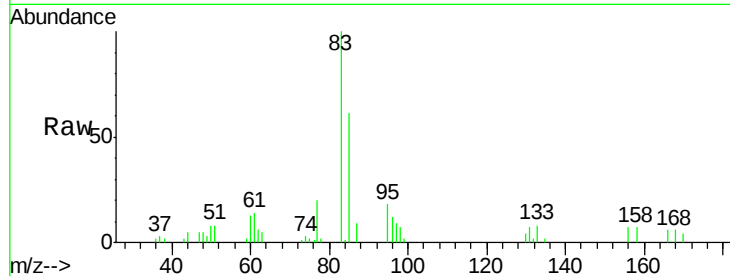
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18588
Ion Ratio	Lower	Upper	
83	100		
131	7.6	4.5	13.5
85	63.0	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN062399.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062399.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062399.D (-3237) (-)

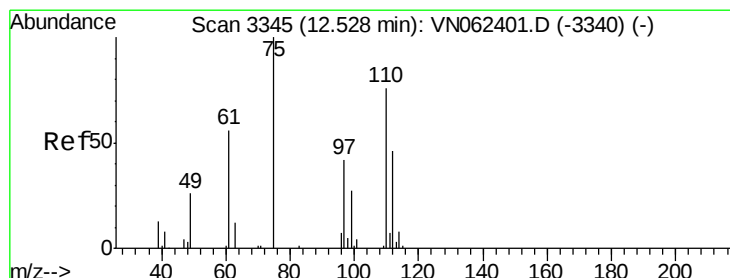
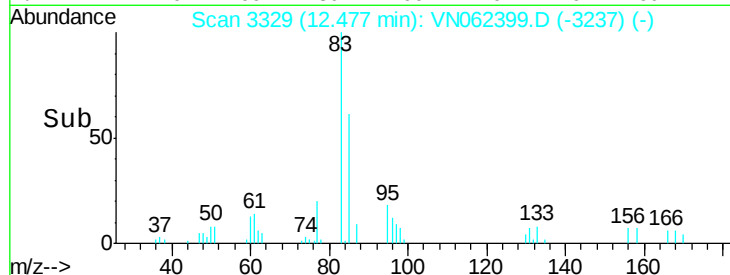
12.48

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 5.630 ug/l m

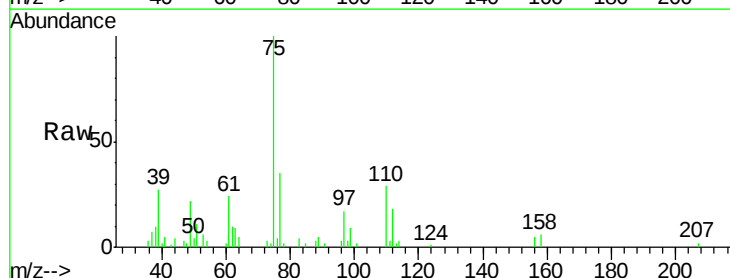
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	75	Resp:	17172
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062399.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062399.D (-3252) (-)

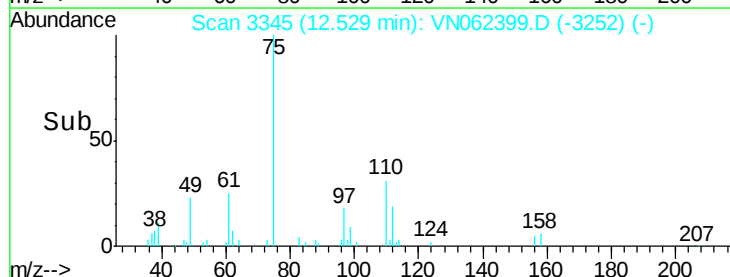
12.53

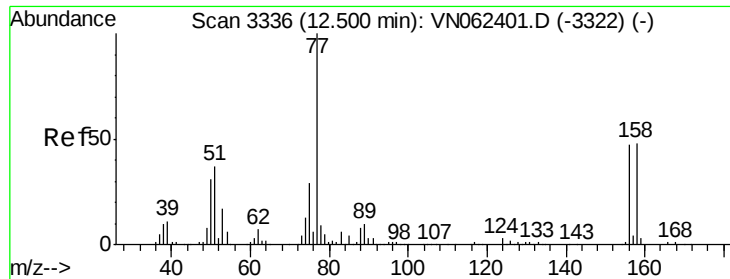
10000

5000

0

Time-->





#77

Bromobenzene

Concen: 5.335 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 11903

Ion Ratio Lower Upper

156 100

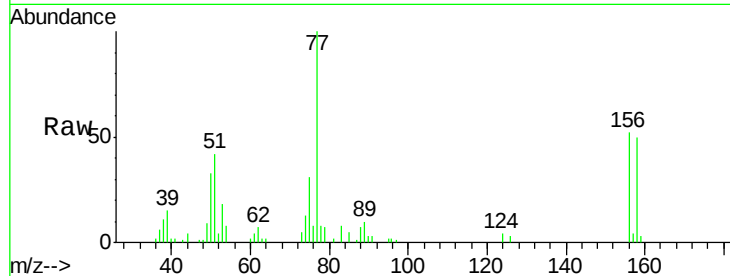
77 253.0 126.4 379.3

158 101.5 49.8 149.4

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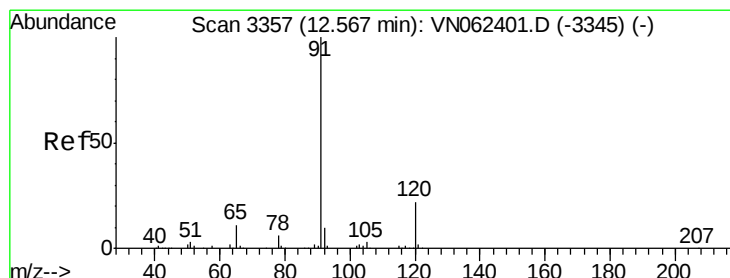
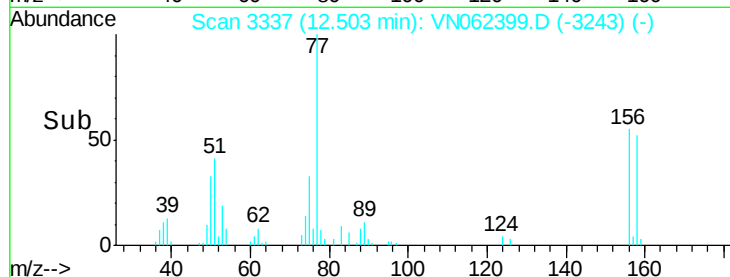
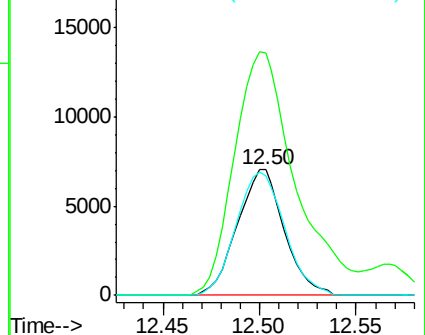
7/9/2020 10:54:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.496 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062399.D

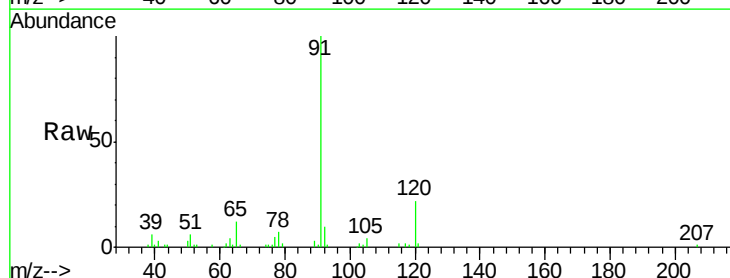
Acq: 8 Jul 2020 10:38

Tgt Ion: 91 Resp: 59397

Ion Ratio Lower Upper

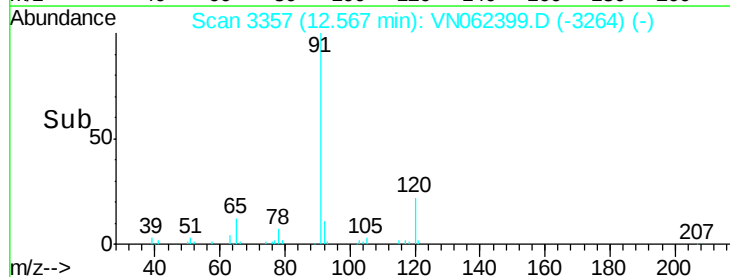
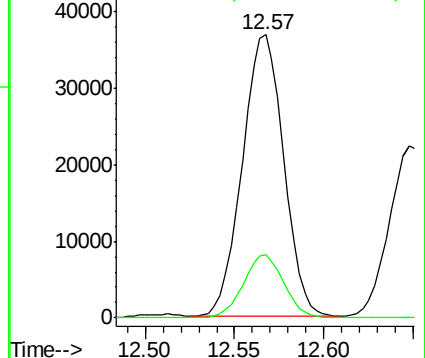
91 100

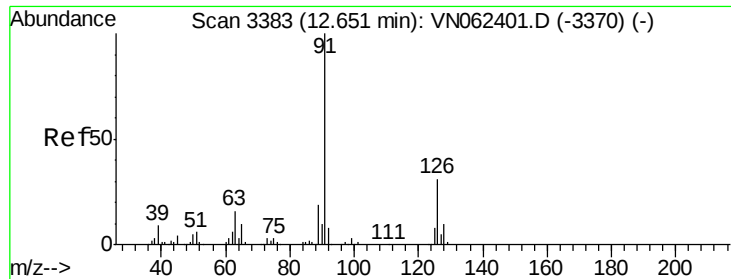
120 21.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





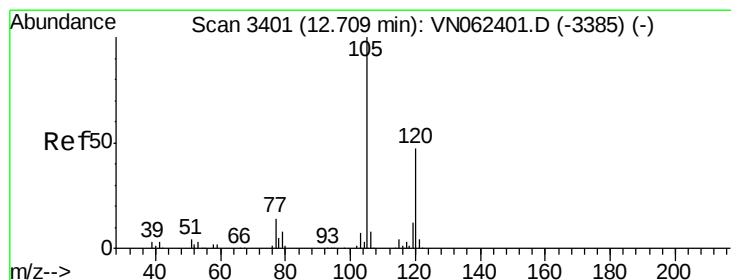
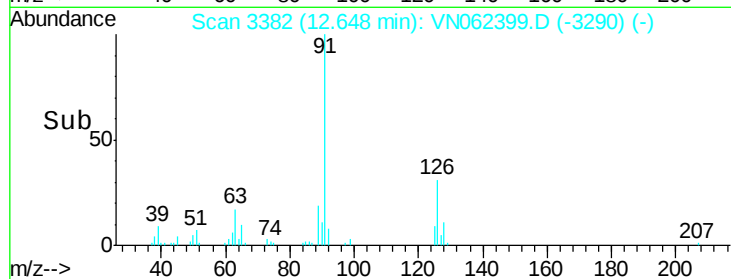
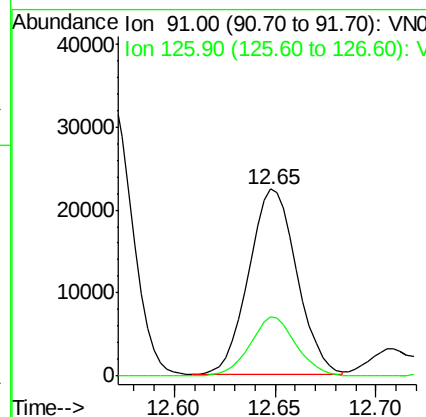
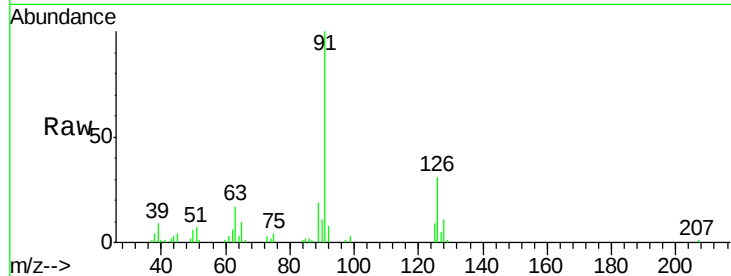
#79
2-Chlorotoluene
Concen: 5.423 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 37237
Ion Ratio Lower Upper
91 100
126 30.4 15.6 46.7

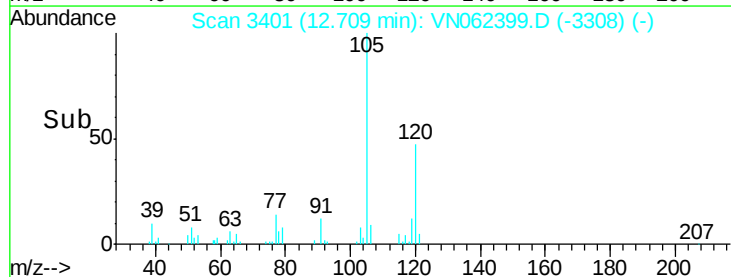
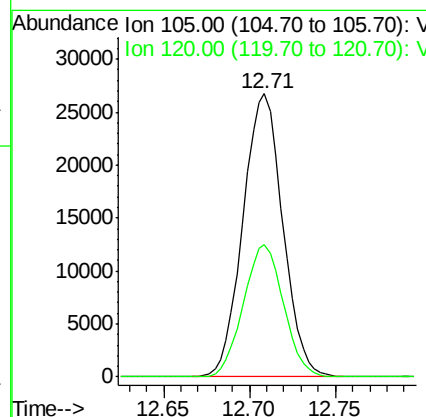
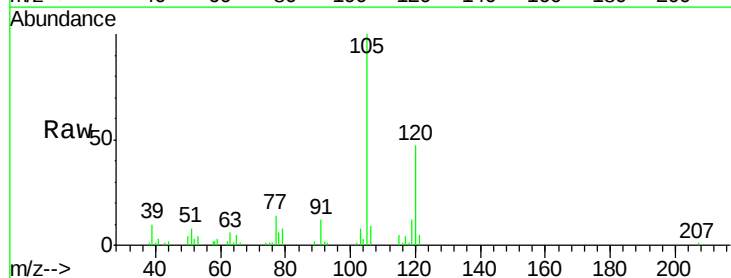
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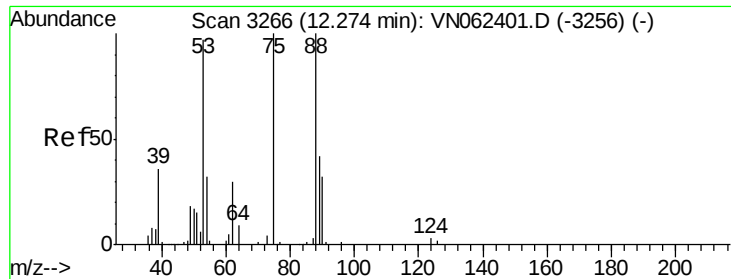
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#80
1,3,5-Trimethylbenzene
Concen: 5.414 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion: 105 Resp: 42928
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.236 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 5742

Ion Ratio Lower Upper

75 100

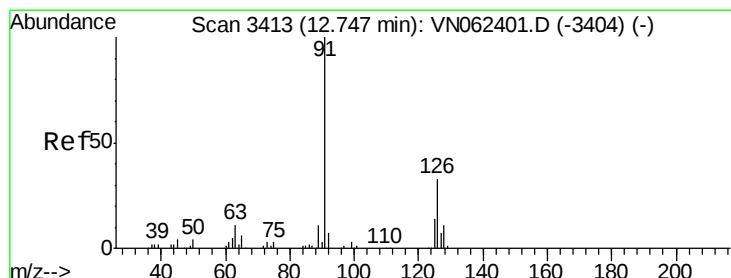
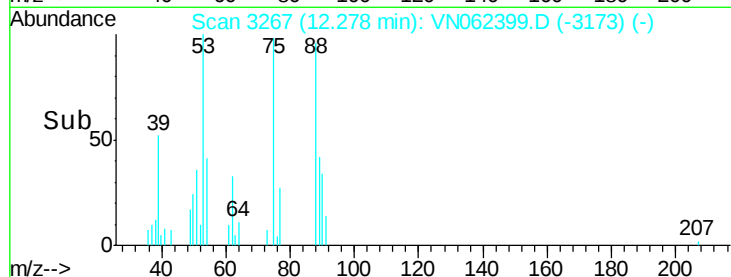
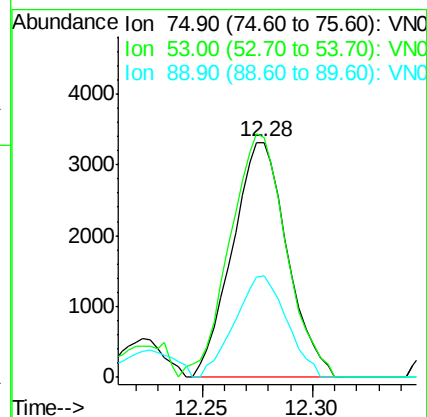
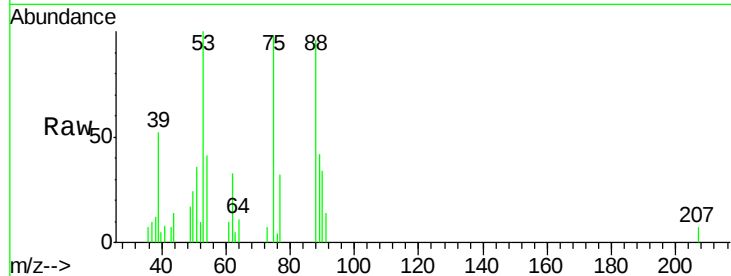
53 105.7 79.2 118.8

89 40.6 34.6 52.0

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#82

4-Chlorotoluene

Concen: 5.167 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062399.D

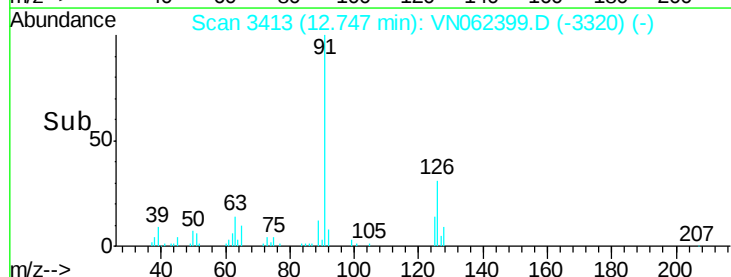
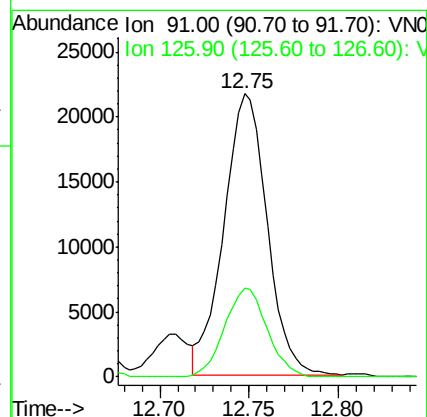
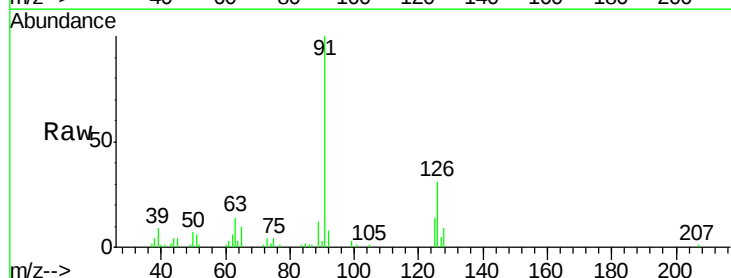
Acq: 8 Jul 2020 10:38

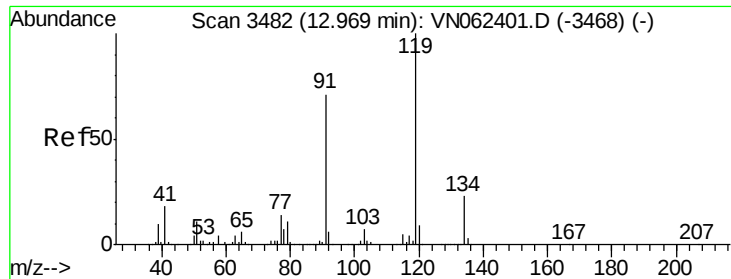
Tgt Ion: 91 Resp: 36222

Ion Ratio Lower Upper

91 100

126 31.3 15.2 45.6





#83

tert-Butylbenzene

Concen: 5.370 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

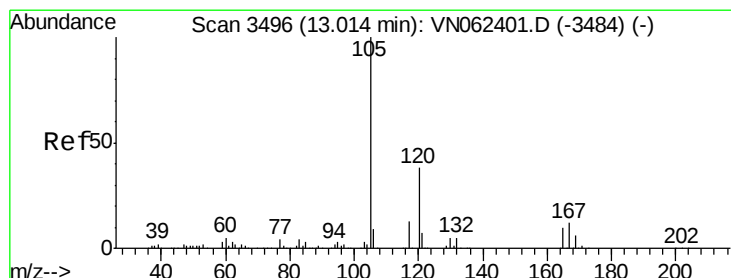
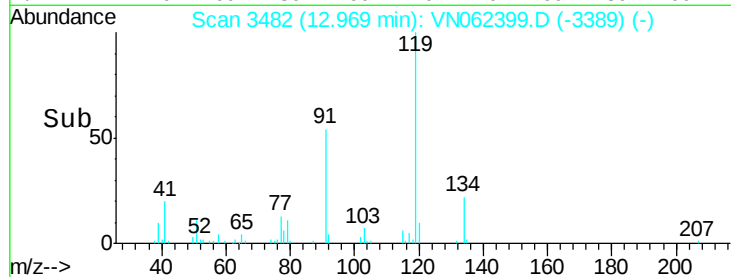
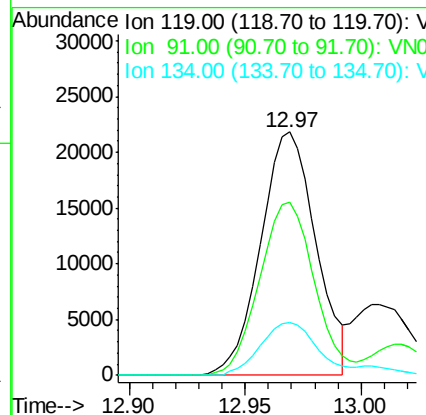
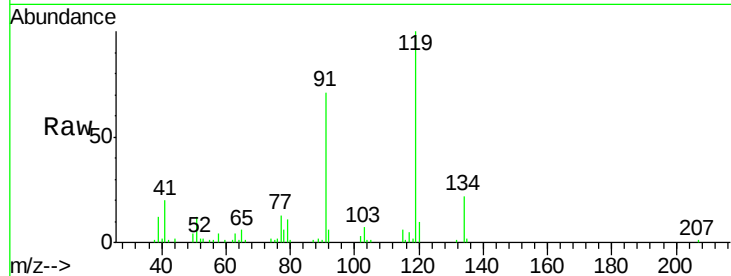
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	36294
Ion	Ratio	Lower	Upper
119	100		
91	70.7	34.8	104.3
134	22.1	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 5.357 ug/l

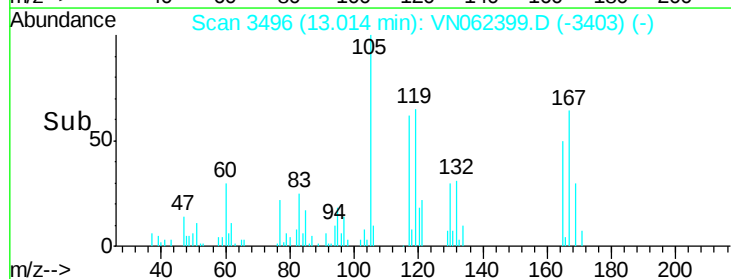
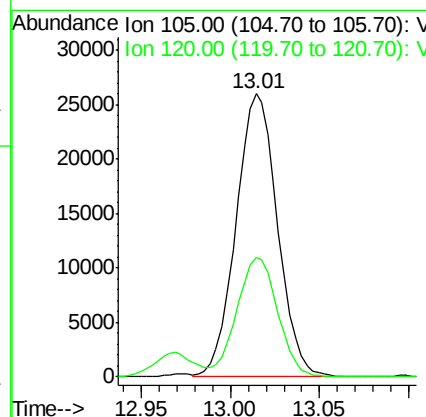
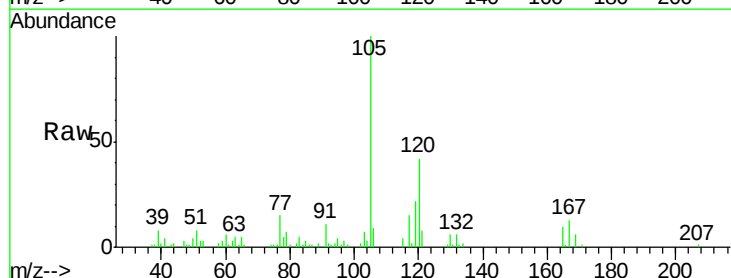
RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	105	Resp:	42044
Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.6	64.8





#85

sec-Butylbenzene

Concen: 5.572 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 48074

Ion Ratio Lower Upper

105 100

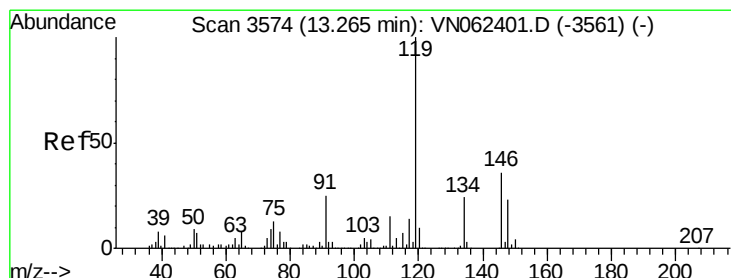
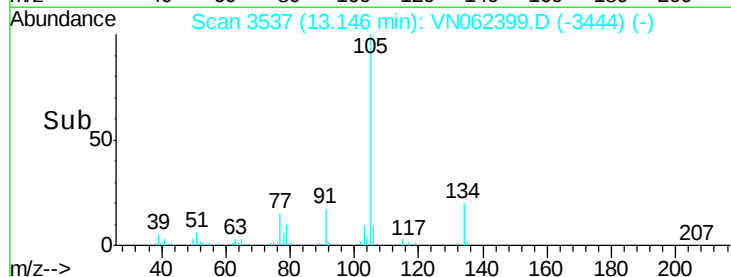
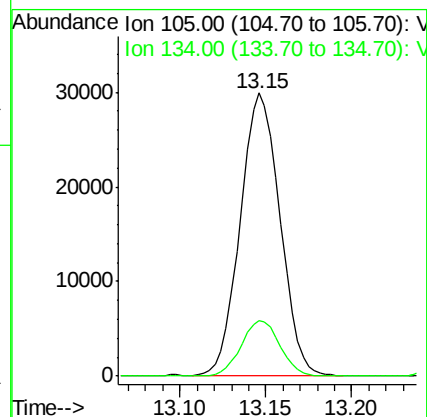
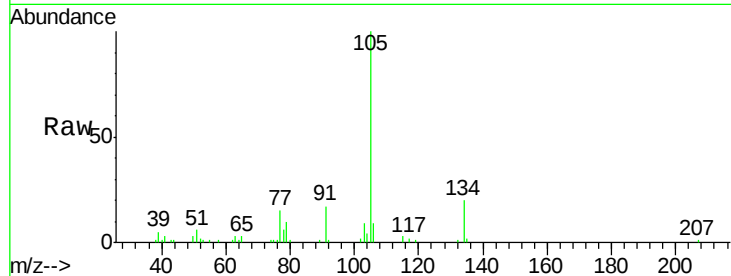
134 19.0 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 5.126 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

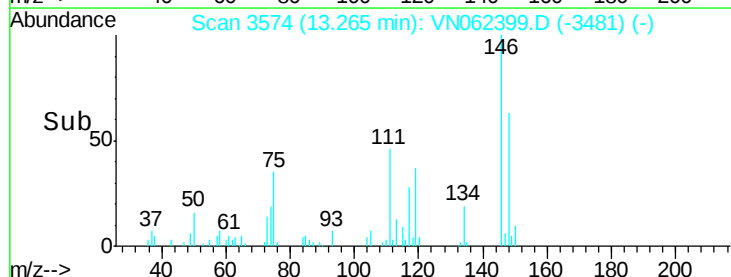
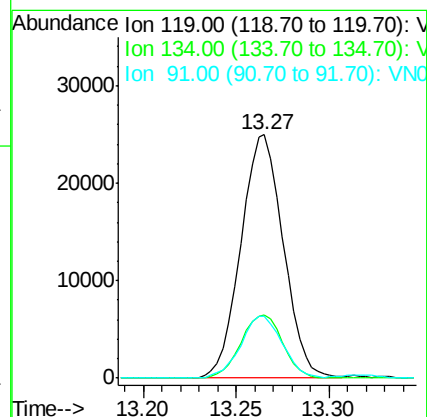
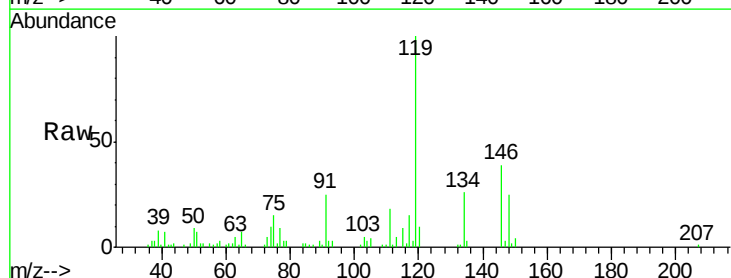
Tgt Ion:119 Resp: 39828

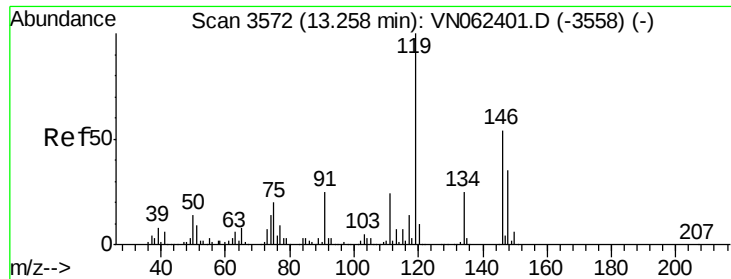
Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

91 25.0 12.4 37.4





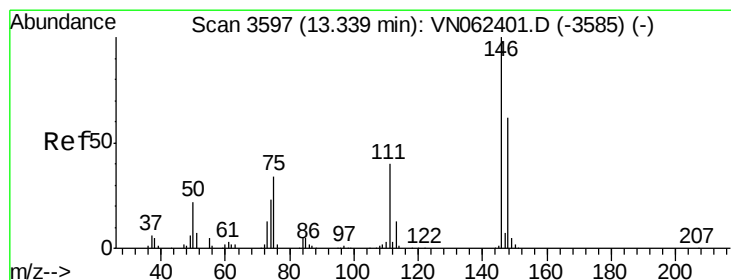
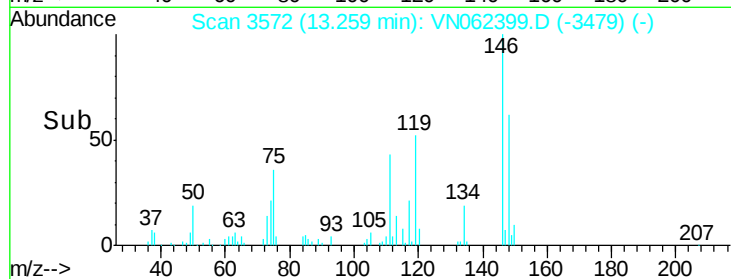
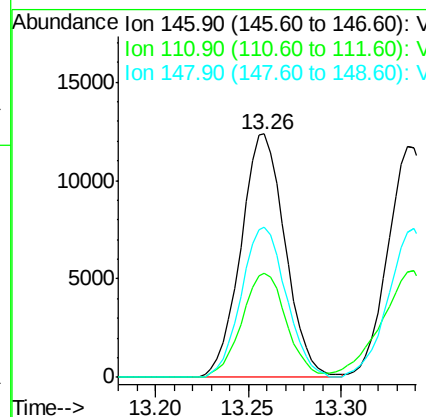
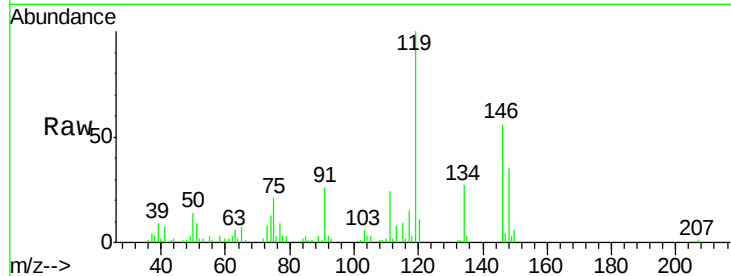
#87
 1,3-Dichlorobenzene
 Concen: 5.152 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.6
148	62.3	32.2	96.6

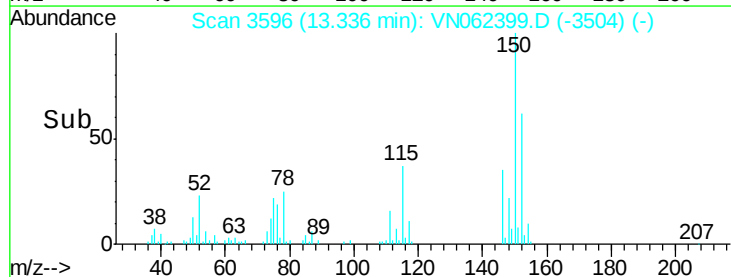
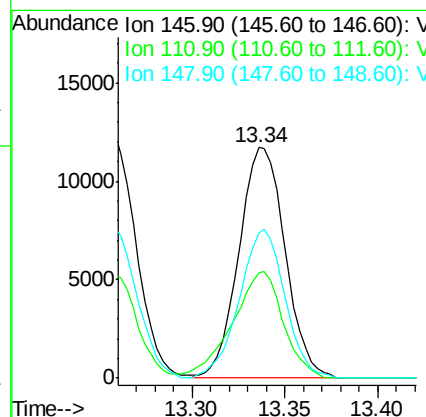
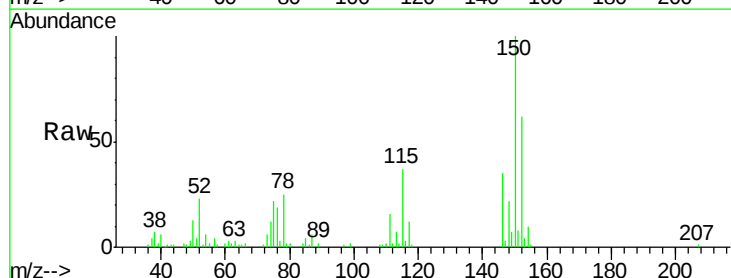
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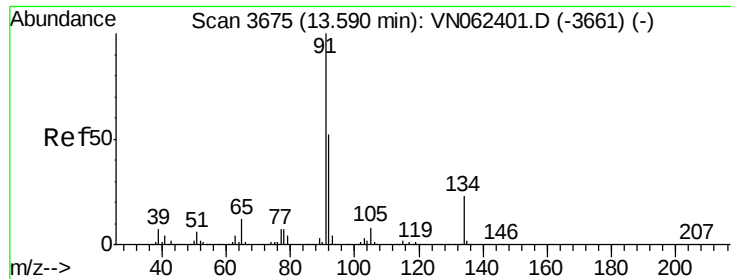
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#88
 1,4-Dichlorobenzene
 Concen: 4.932 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.0	21.1	63.1
148	63.6	31.4	94.2





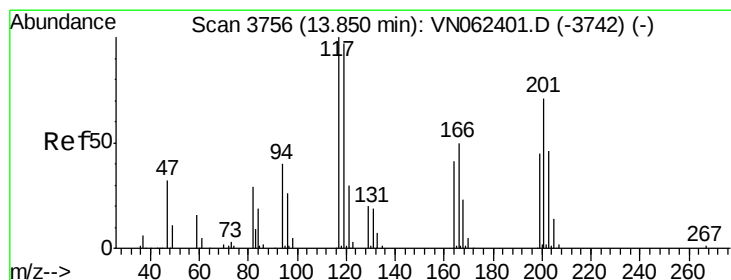
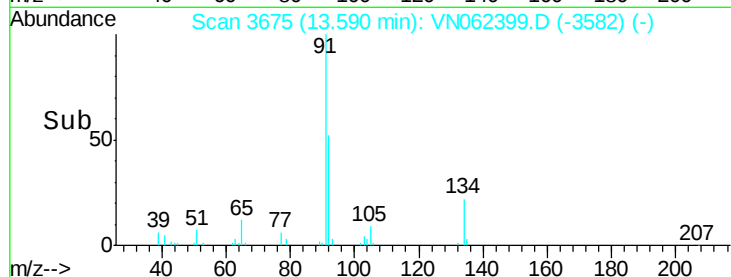
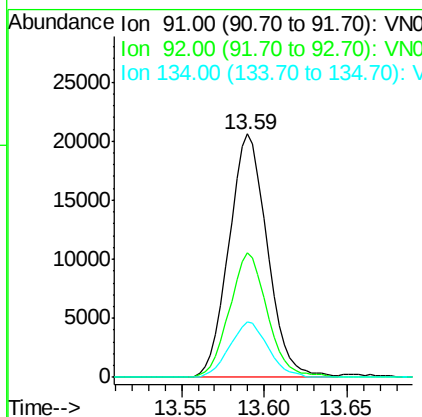
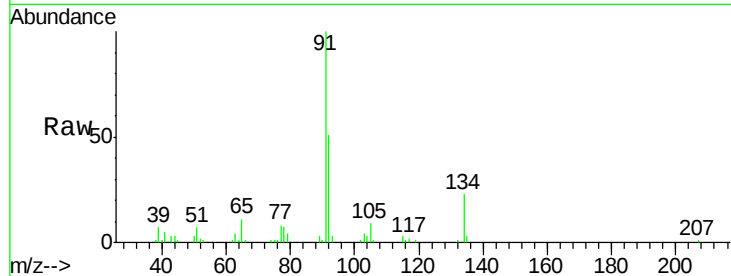
#89
n-Butylbenzene
Concen: 4.959 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.9	77.7
134	22.6	11.6	34.8

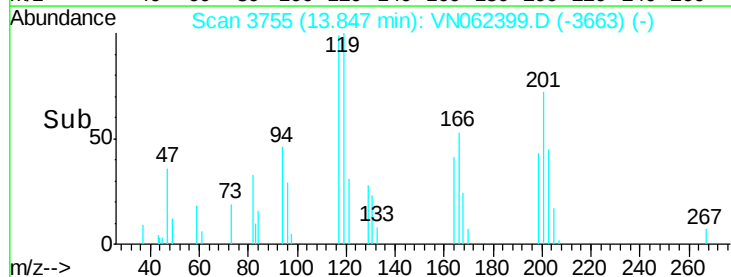
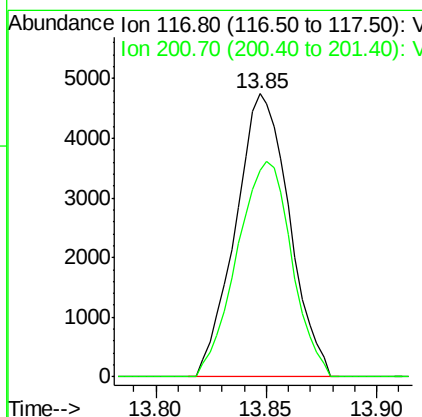
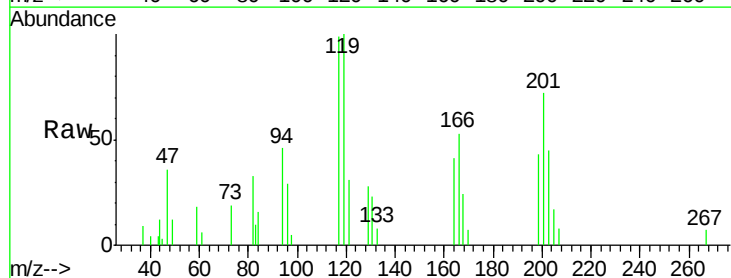
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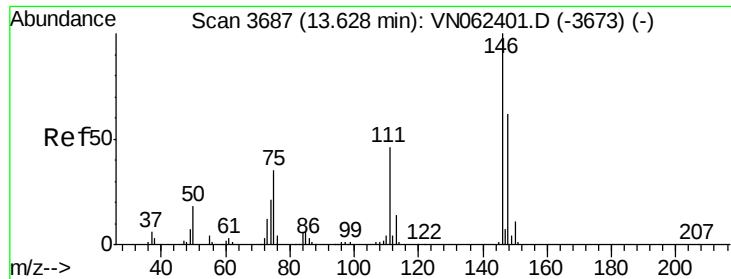
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#90
Hexachloroethane
Concen: 4.880 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062399.D
Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	35.4	106.2





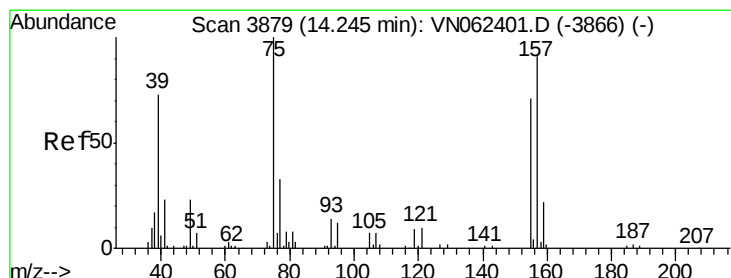
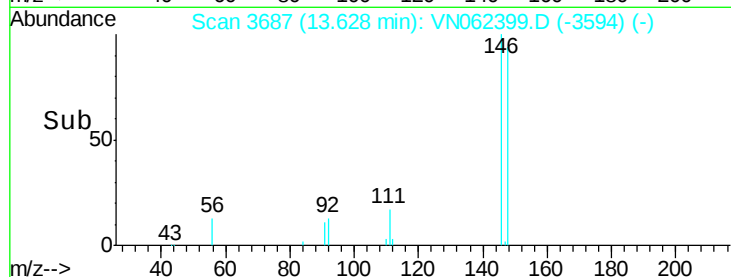
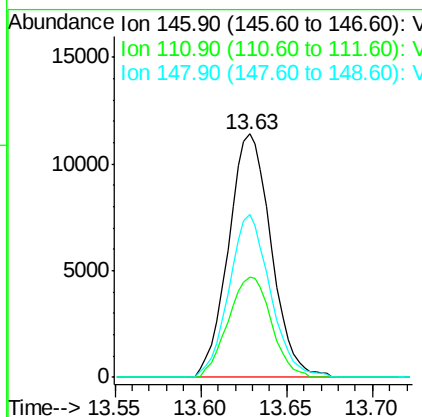
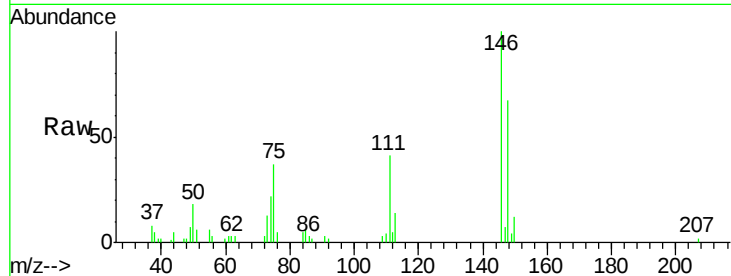
#91
 1,2-Dichlorobenzene
 Concen: 5.152 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.5	67.5
148	64.8	31.4	94.2

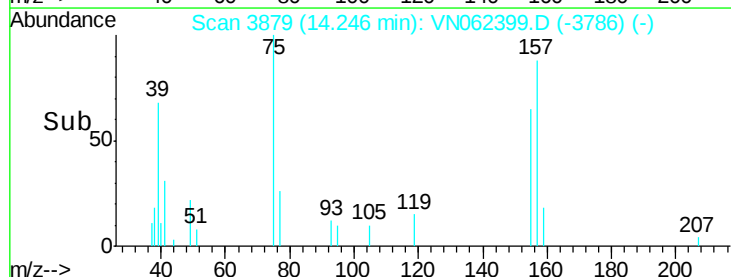
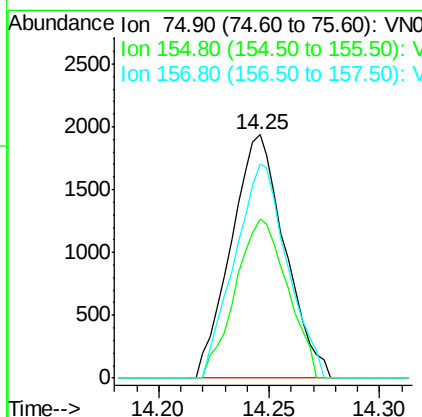
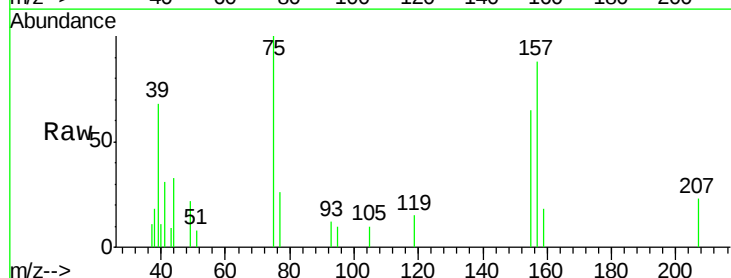
Manual Integrations
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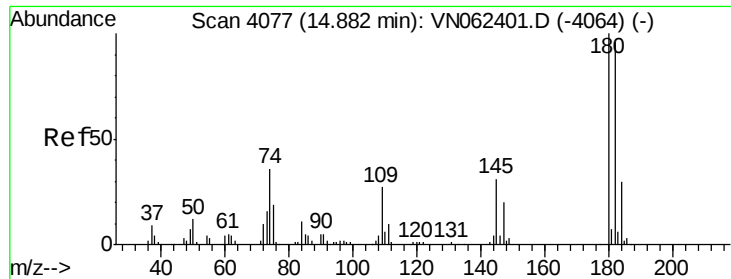
MMDadoda
 7/9/2020 10:54:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.120 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.9	35.2	105.6
157	85.6	45.8	137.3





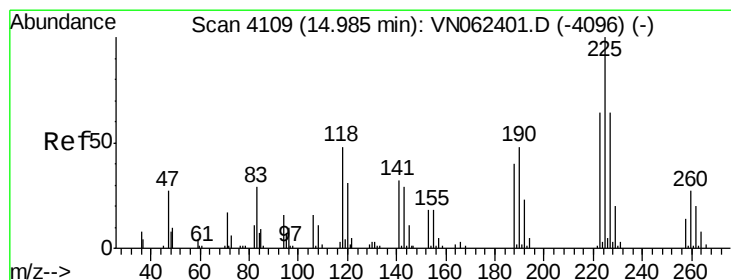
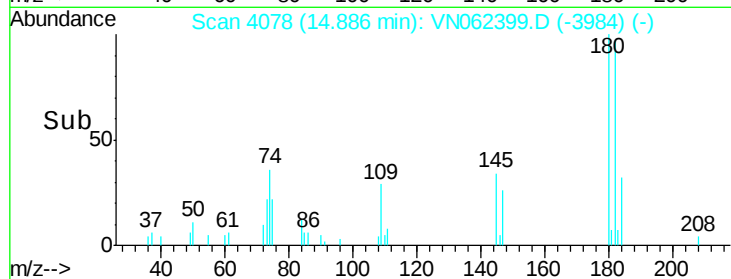
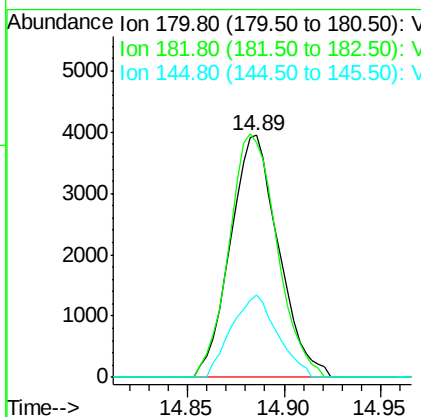
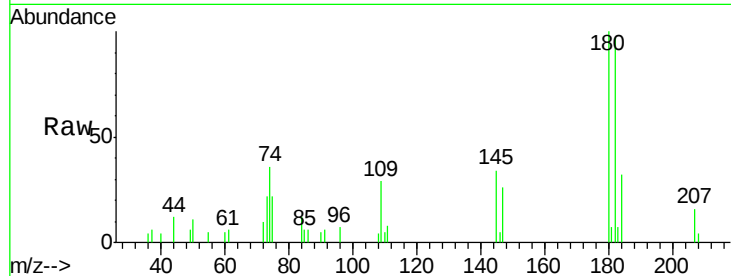
#93
 1,2,4-Trichlorobenzene
 Concen: 3.820 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.4	145.2
145	32.4	15.5	46.5

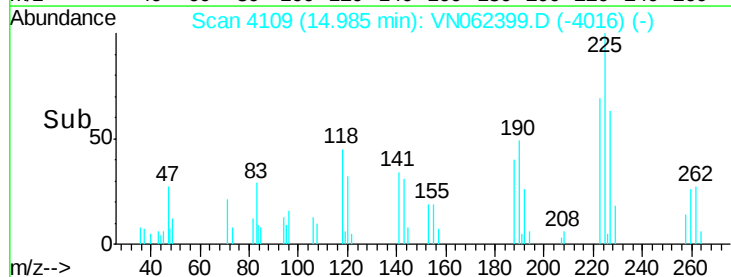
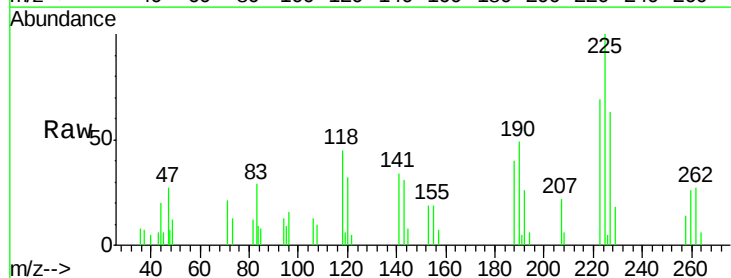
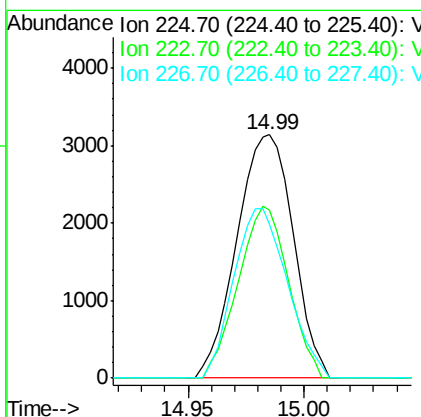
Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:10 AM



#94
 Hexachlorobutadiene
 Concen: 4.732 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062399.D
 Acq: 8 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.8
227	66.2	31.9	95.7





#95

Naphthalene

Concen: 4.034 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Instrument :

MSVOA_N

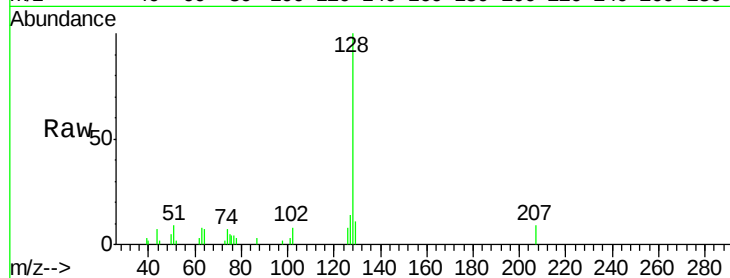
ClientSampled :

VSTDIC005

Tot Ion:	128	Resp:	19169
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

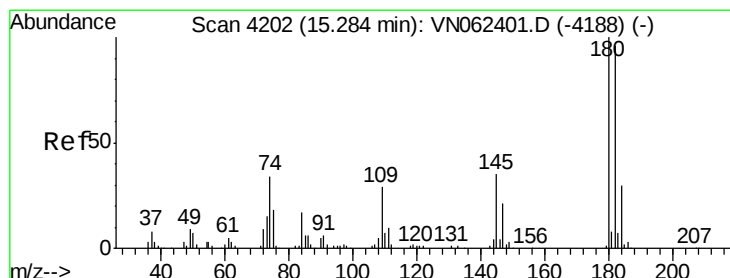
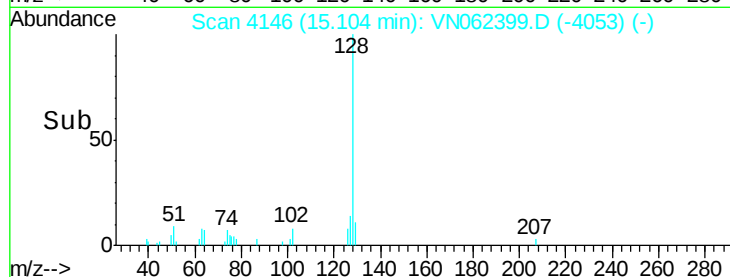
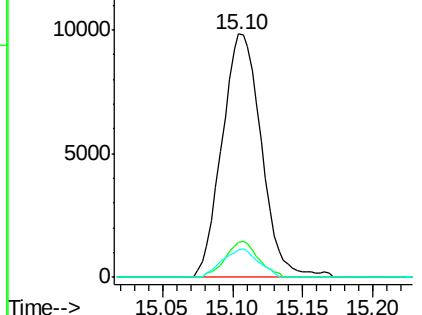
MMDadoda
7/9/2020 10:54:10 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.987 ug/l

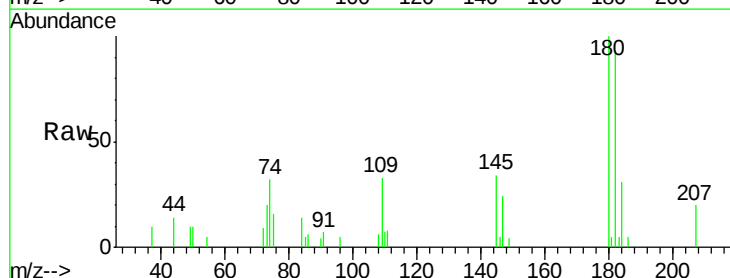
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062399.D

Acq: 8 Jul 2020 10:38

Tgt Ion:	180	Resp:	7333
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.4
145	33.8	17.0	50.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

