

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:25 PM

Quant Time: May 18 13:13:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	256340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178176	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	21135	5.37	ug/l	0.00
Spiked Amount			Recovery	=	10.74%	
35) Dibromofluoromethane	7.55	113	14301	6.08	ug/l	0.00
Spiked Amount			Recovery	=	12.16%	
50) Toluene-d8	10.06	98	57477	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.38	95	20290	4.74	ug/l	0.00
Spiked Amount			Recovery	=	9.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11327	5.462	ug/l	100
3) Chloromethane	2.03	50	20511	5.064	ug/l	99
4) Vinyl Chloride	2.16	62	29716	4.789	ug/l	99
5) Bromomethane	2.54	94	17573	5.226	ug/l	90
6) Chloroethane	2.67	64	20120	4.571	ug/l	100
7) Trichlorofluoromethane	2.98	101	35202	4.622	ug/l	96
8) Diethyl Ether	3.37	74	10415	6.067	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14741	6.076	ug/l	98
10) Methyl Iodide	3.91	142	17210	5.699	ug/l	99
11) Tert butyl alcohol	4.73	59	13286	44.776	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	14983	5.766	ug/l	96
13) Acrolein	3.57	56	12577	37.439	ug/l	95
14) Allyl chloride	4.27	41	25085	5.446	ug/l	96
15) Acrylonitrile	4.93	53	39049	30.812	ug/l	98
16) Acetone	3.77	43	32123	32.350	ug/l	100
17) Carbon Disulfide	4.01	76	42396	6.340	ug/l	96
18) Methyl Acetate	4.28	43	16738	5.760	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	58852	5.785	ug/l	99
20) Methylene Chloride	4.50	84	18022	5.750	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	17246	5.488	ug/l	95
22) Diisopropyl ether	5.90	45	56436	5.507	ug/l	94
23) Vinyl Acetate	5.84	43	225090	26.984	ug/l	98
24) 1,1-Dichloroethane	5.80	63	33014	5.641	ug/l	99
25) 2-Butanone	6.79	43	52200	31.757	ug/l	97
26) 2,2-Dichloropropane	6.77	77	31513	6.288	ug/l	80
27) cis-1,2-Dichloroethene	6.78	96	20661	5.662	ug/l	99
28) Bromochloromethane	7.15	49	12263	4.772	ug/l #	95
29) Tetrahydrofuran	7.17	42	34381	30.812	ug/l	96
30) Chloroform	7.33	83	33804	5.503	ug/l	96
31) Cyclohexane	7.62	56	35105	6.110	ug/l #	86
32) 1,1,1-Trichloroethane	7.53	97	30557	5.589	ug/l	97
36) 1,1-Dichloropropene	7.75	75	24240	5.194	ug/l	98
37) Ethyl Acetate	6.88	43	21966	5.646	ug/l	97
38) Carbon Tetrachloride	7.73	117	21712	5.427	ug/l	97

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 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: May 18 13:13:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	29396	5.293	ug/l	95
40) Benzene	8.00	78	75411	5.490	ug/l	98
41) Methacrylonitrile	7.13	41	8305m	4.600	ug/l	
42) 1,2-Dichloroethane	8.08	62	27135	5.496	ug/l	98
43) Isopropyl Acetate	8.12	43	40477	5.411	ug/l #	90
44) Trichloroethene	8.80	130	19669	5.542	ug/l	98
45) 1,2-Dichloropropane	9.08	63	19244	5.562	ug/l	98
46) Dibromomethane	9.17	93	13121	5.640	ug/l	98
47) Bromodichloromethane	9.37	83	27534	5.451	ug/l	98
48) Methyl methacrylate	9.17	41	18582	5.490	ug/l	94
49) 1,4-Dioxane	9.17	88	4353	198.264	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	111687	27.728	ug/l	98
52) Toluene	10.12	92	47196	5.413	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	30164	5.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	31611	5.426	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	18699	5.765	ug/l	97
56) Ethyl methacrylate	10.40	69	27081	5.106	ug/l	95
57) 1,3-Dichloropropane	10.68	76	31361	5.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	53930	24.074	ug/l	98
59) 2-Hexanone	10.72	43	78061	28.290	ug/l	97
60) Dibromochloromethane	10.87	129	19145	5.309	ug/l	98
61) 1,2-Dibromoethane	10.98	107	18449	5.407	ug/l	97
64) Tetrachloroethene	10.60	164	18160	5.407	ug/l	95
65) Chlorobenzene	11.41	112	48955	5.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	17341	5.518	ug/l	96
67) Ethyl Benzene	11.48	91	90928	5.513	ug/l	100
68) m/p-Xylenes	11.59	106	65327	10.544	ug/l	96
69) o-Xylene	11.92	106	31791	5.290	ug/l	97
70) Styrene	11.94	104	50352	4.990	ug/l	98
71) Bromoform	12.10	173	11448	5.172	ug/l #	99
73) Isopropylbenzene	12.22	105	88033	6.070	ug/l	98
74) N-amyl acetate	12.05	43	32895	5.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	25188	6.093	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	24671m	6.630	ug/l	
77) Bromobenzene	12.50	156	17785	5.603	ug/l	89
78) n-propylbenzene	12.57	91	98028	5.799	ug/l	100
79) 2-Chlorotoluene	12.65	91	58248	5.877	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	69429	5.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	8289	5.825	ug/l	99
82) 4-Chlorotoluene	12.75	91	57298	5.502	ug/l	99
83) tert-Butylbenzene	12.97	119	60219	5.816	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	67260	5.554	ug/l	99
85) sec-Butylbenzene	13.15	105	81667	5.844	ug/l	98
86) p-Isopropyltoluene	13.26	119	70076	5.776	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	32990	5.732	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	31933	5.402	ug/l	92
89) n-Butylbenzene	13.59	91	61094	5.550	ug/l	99
90) Hexachloroethane	13.85	117	9006	5.388	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	30953	5.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4763	5.993	ug/l	95

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Data File : VN061427.D
Acq On : 18 May 2020 11:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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5/19/2020 4:25:25 PM

Quant Time: May 18 13:13:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 12:26:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	15573	5.162	ug/l	97
94) Hexachlorobutadiene	14.98	225	7331	6.310	ug/l	96
95) Naphthalene	15.10	128	47592	4.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	15411	5.111	ug/l	99

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

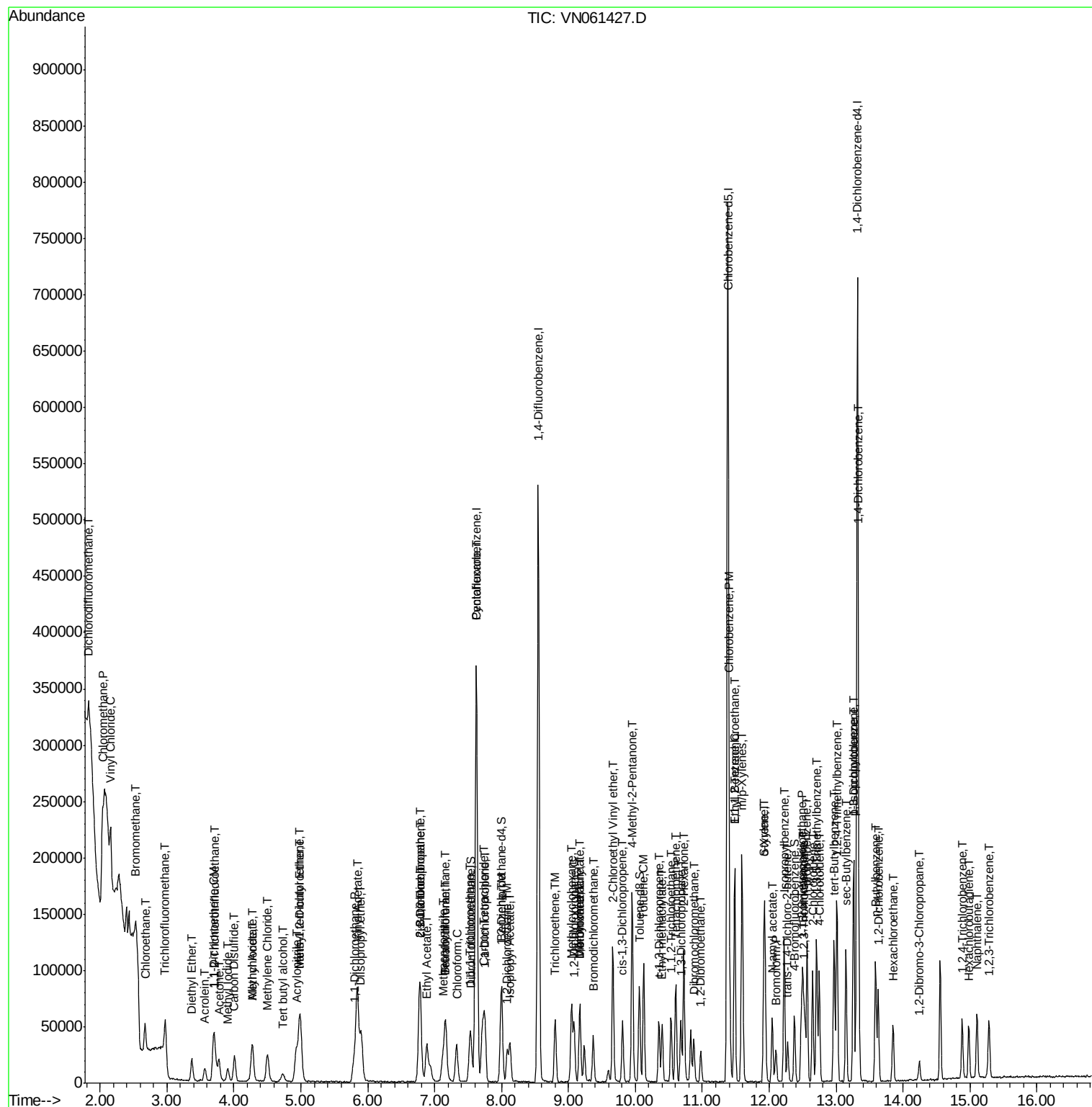
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 Data File : VN061427.D
 Acq On : 18 May 2020 11:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

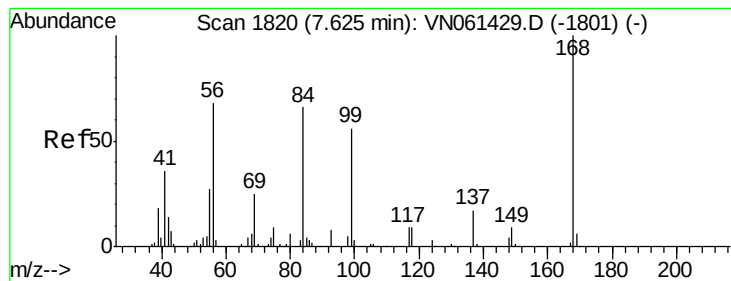
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 5/19/2020 4:25:25 PM

Quant Time: May 18 13:13:10 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 256340

Ion Ratio Lower Upper

168 100

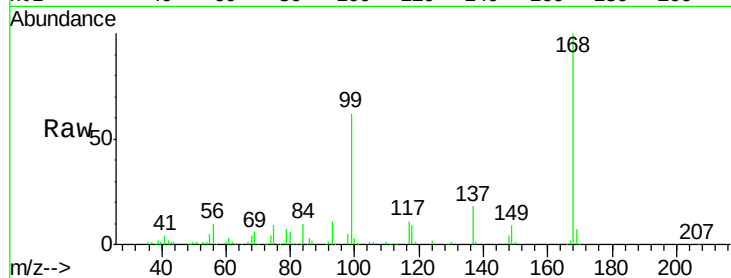
99 61.9 51.1 76.7

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

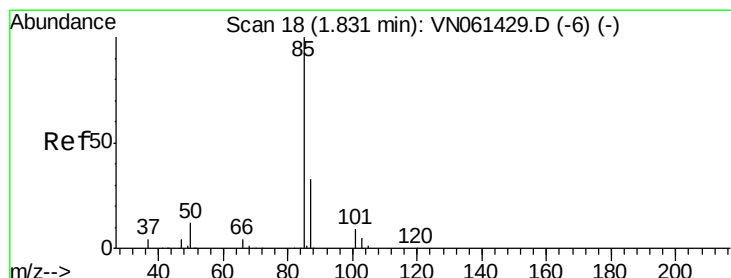
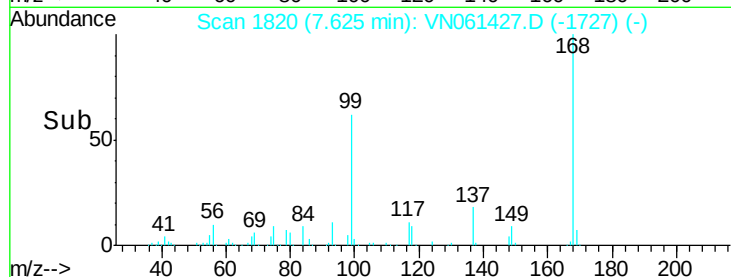
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.462 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061427.D

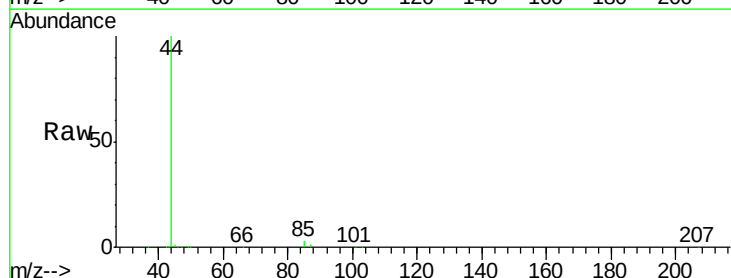
Acq: 18 May 2020 11:14

Tgt Ion: 85 Resp: 11327

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

10000

8000

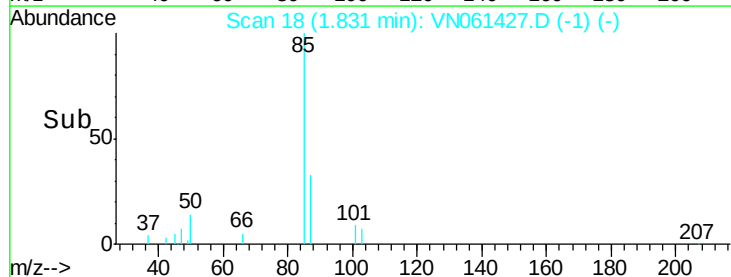
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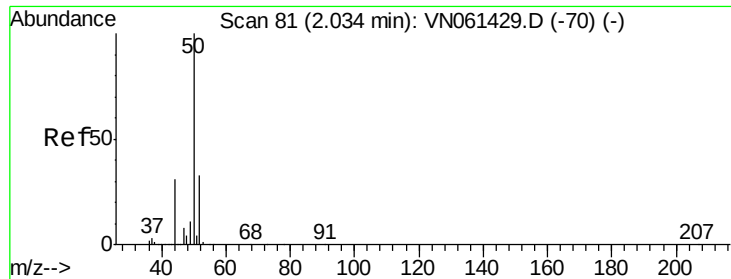
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.064 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20511

Ion Ratio Lower Upper

50 100

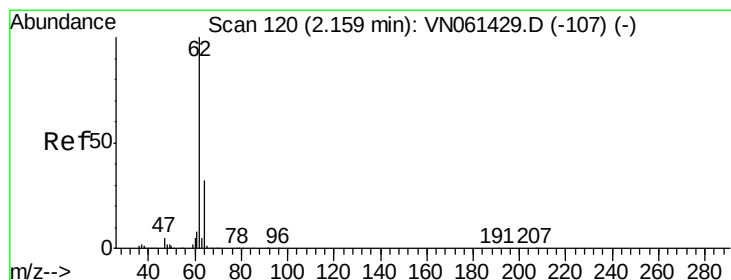
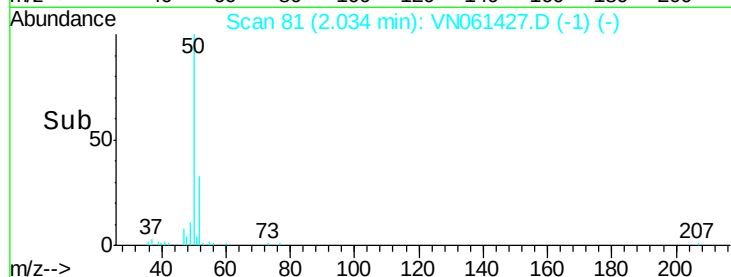
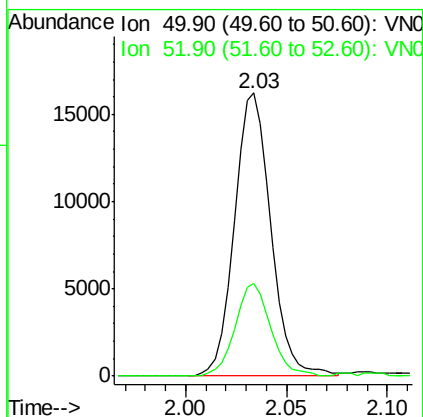
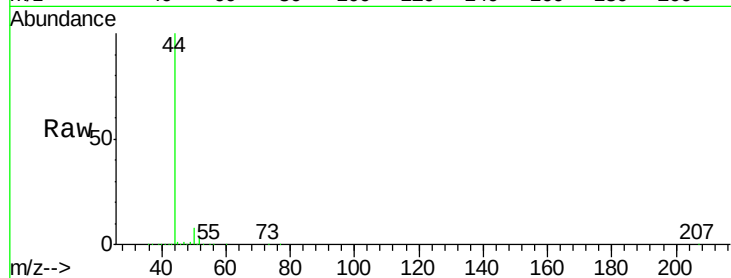
52 32.8 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.789 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061427.D

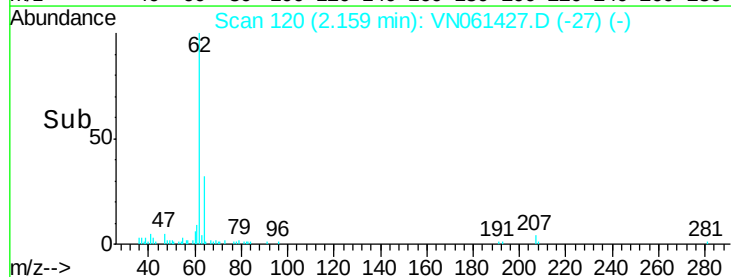
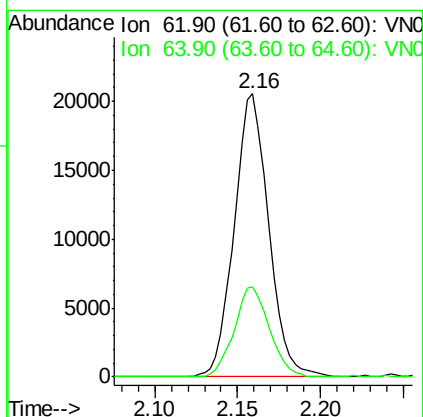
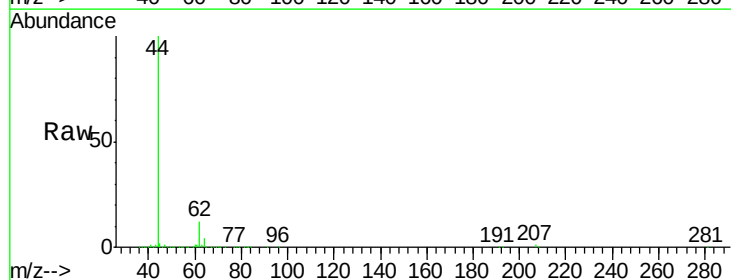
Acq: 18 May 2020 11:14

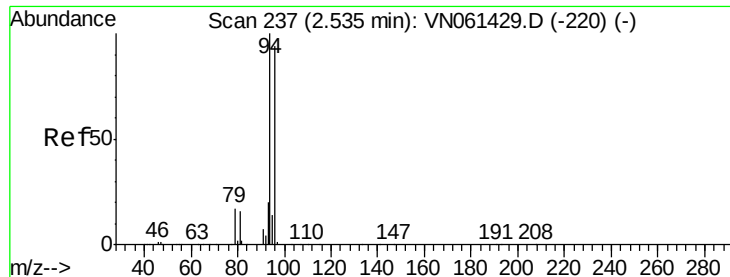
Tgt Ion: 62 Resp: 29716

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 5.226 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 17573

Ion Ratio Lower Upper

94 100

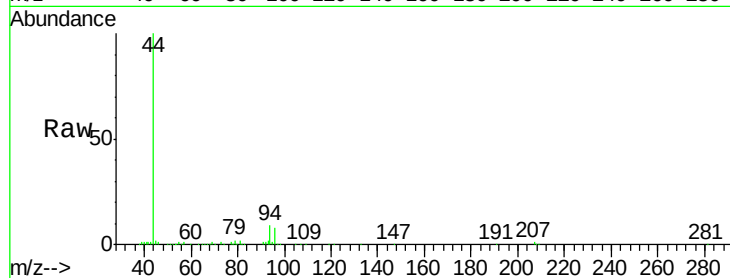
96 83.8 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

10000

8000

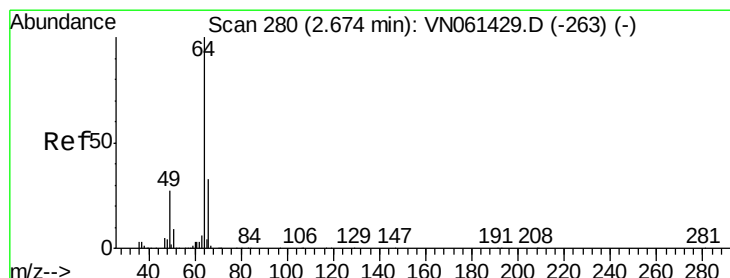
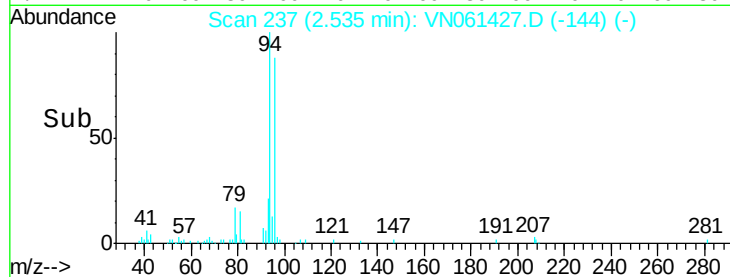
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 4.571 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061427.D

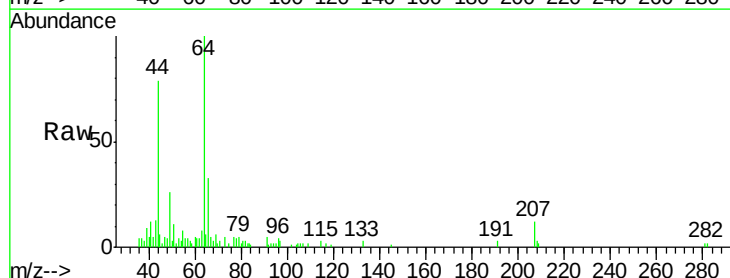
Acq: 18 May 2020 11:14

Tgt Ion: 64 Resp: 20120

Ion Ratio Lower Upper

64 100

66 32.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

12000

10000

8000

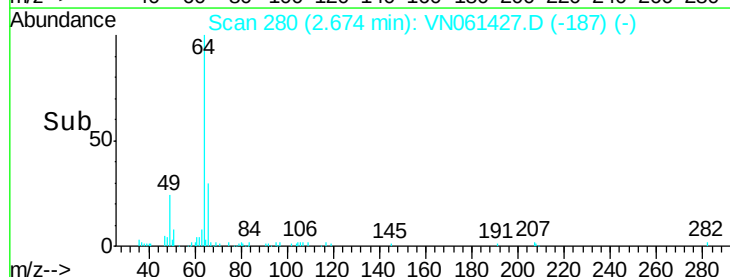
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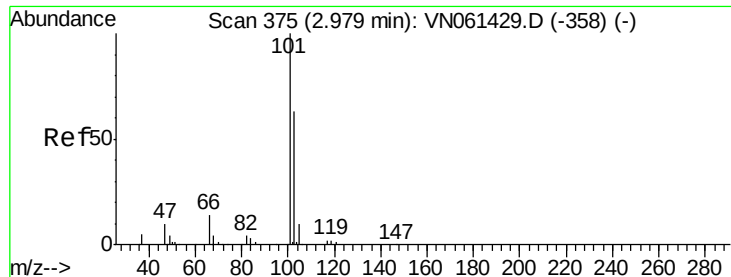
4000

2000

0

Time-->





#7

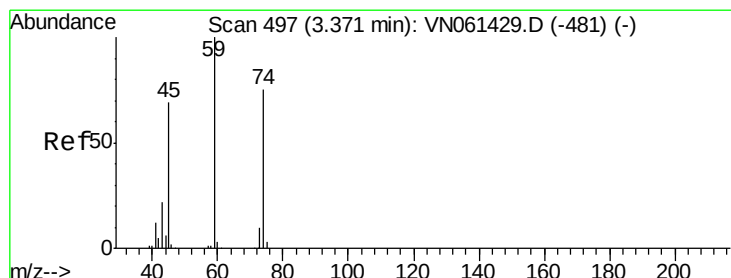
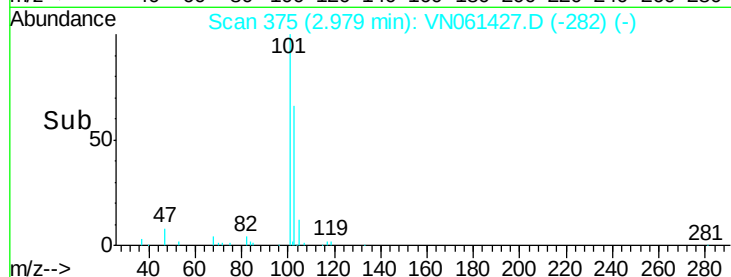
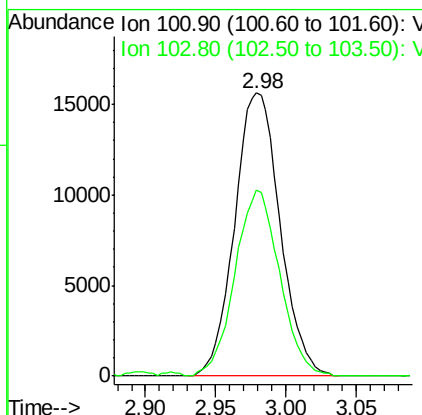
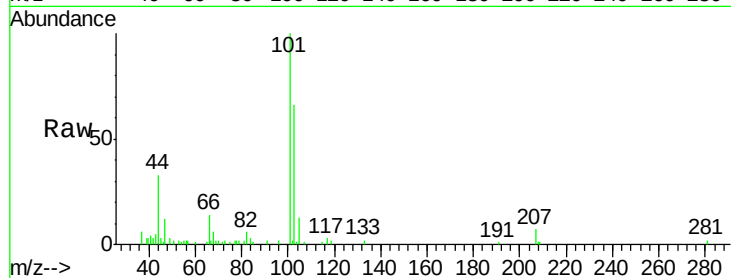
Trichlorofluoromethane
Concen: 4.622 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.2	75.4

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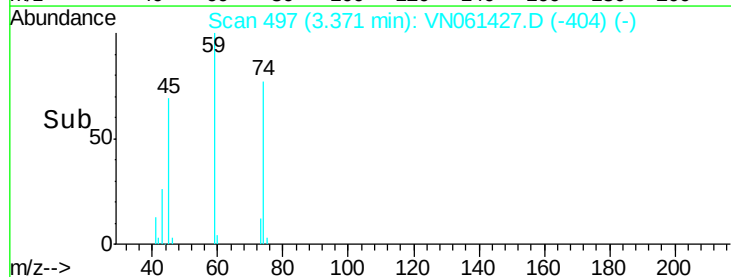
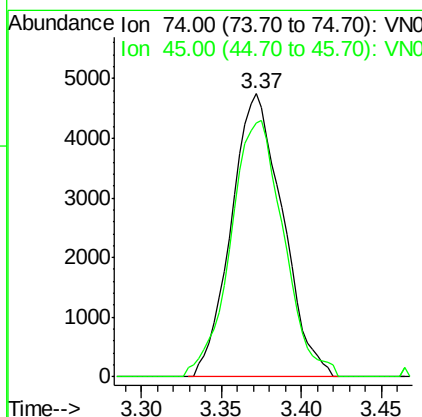
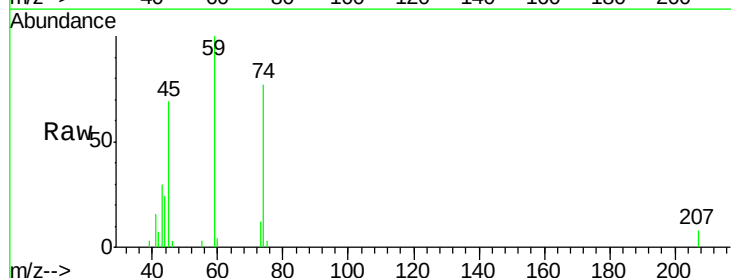
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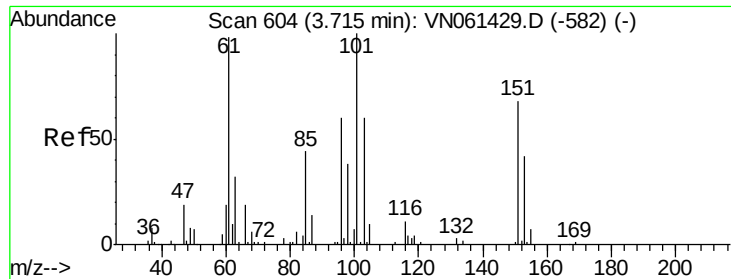


#8

Diethyl Ether
Concen: 6.067 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.076 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

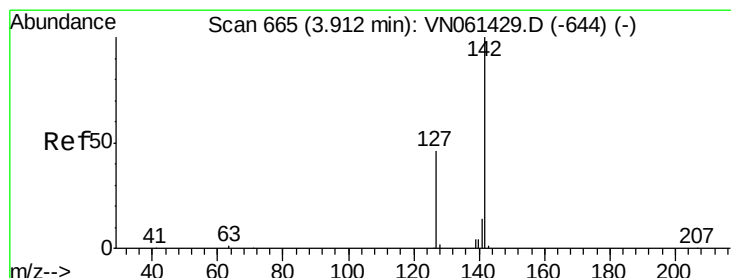
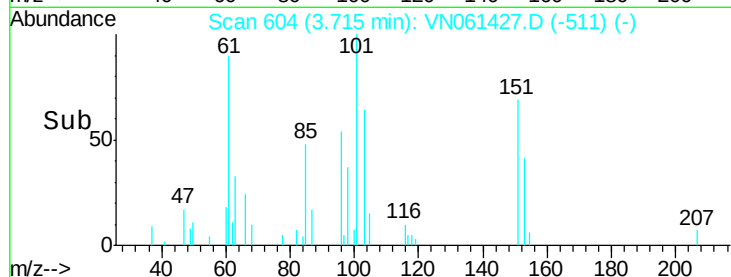
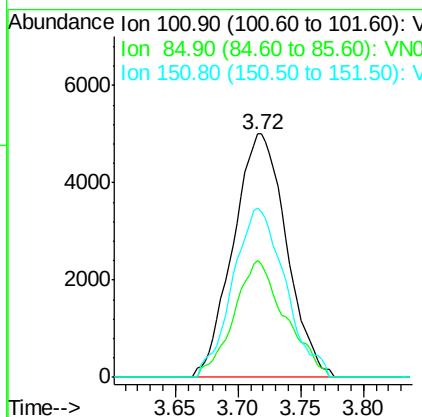
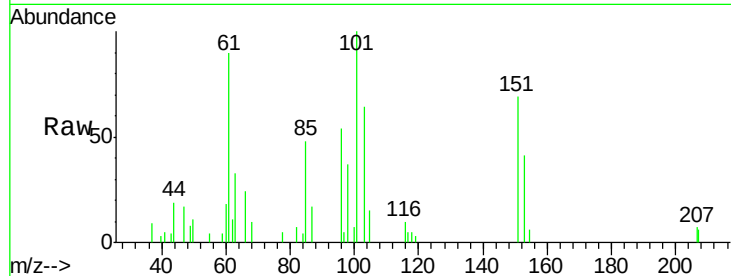
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14741
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.6	55.0
151	68.8	56.3	84.5

Manual Integrations
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MMDadoda
5/19/2020 4:25:25 PM



#10

Methyl Iodide

Concen: 5.699 ug/l

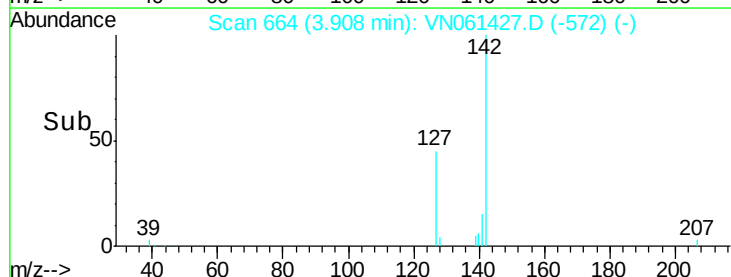
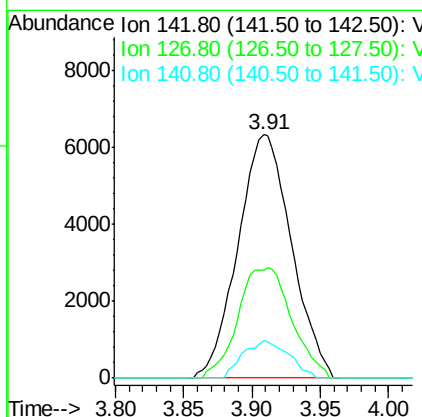
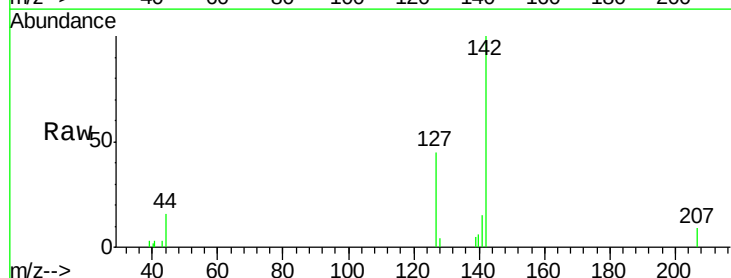
RT: 3.91 min Scan# 664

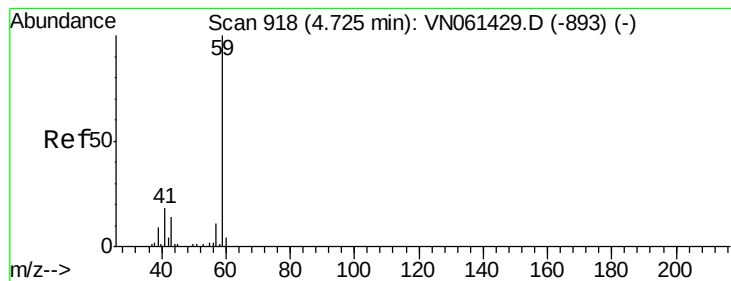
Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	142	Resp:	17210
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.7	55.1
141	13.1	11.5	17.3





#11

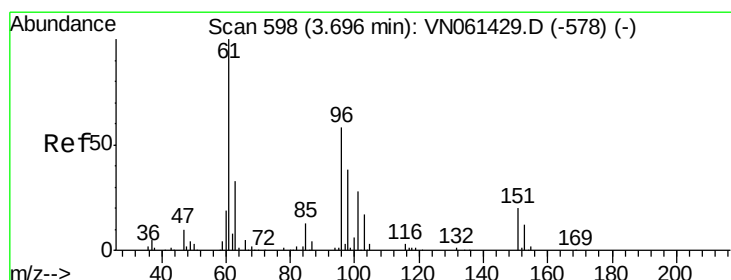
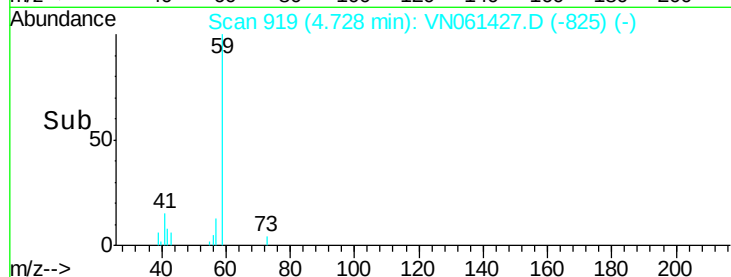
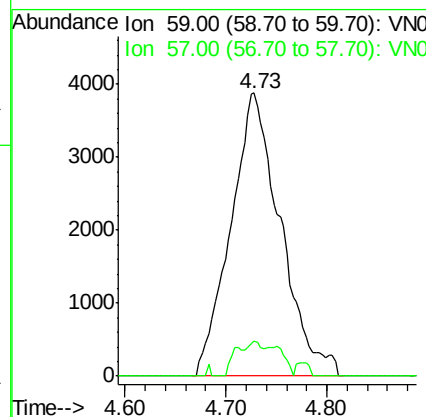
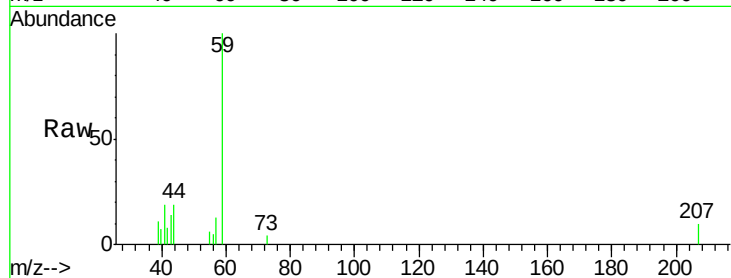
Tert butyl alcohol
Concen: 44.776 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 13286
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.2#

Manual Integrations
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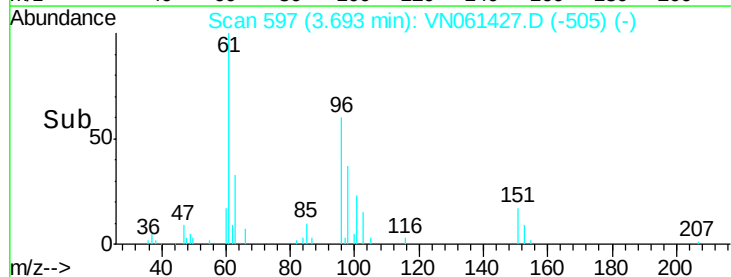
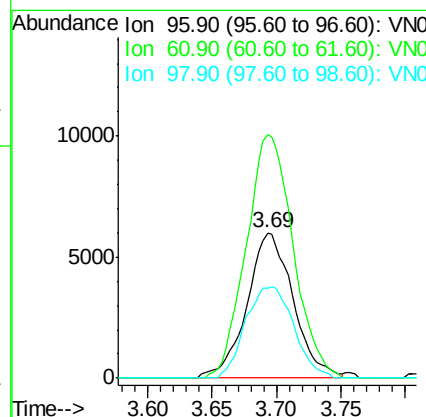
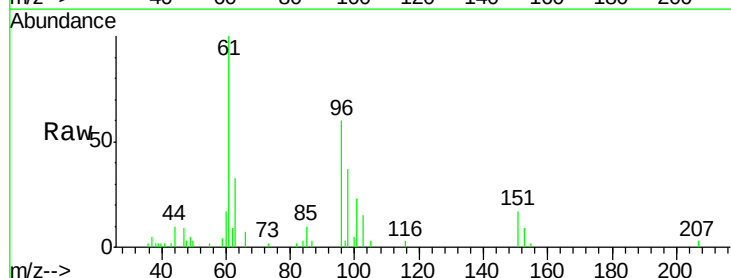
MMDadoda
5/19/2020 4:25:25 PM

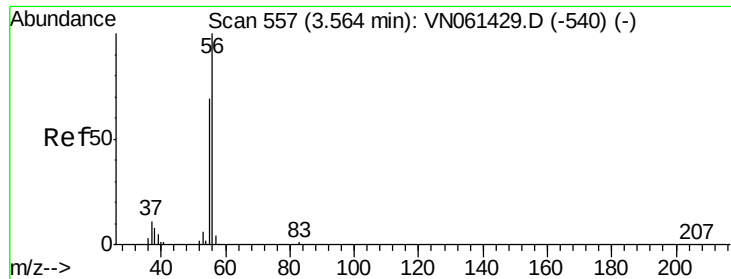


#12

1,1-Dichloroethene
Concen: 5.766 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 96 Resp: 14983
Ion Ratio Lower Upper
96 100
61 167.8 138.7 208.1
98 62.0 53.0 79.6





#13

Acrolein

Concen: 37.439 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12577

Ion Ratio Lower Upper

56 100

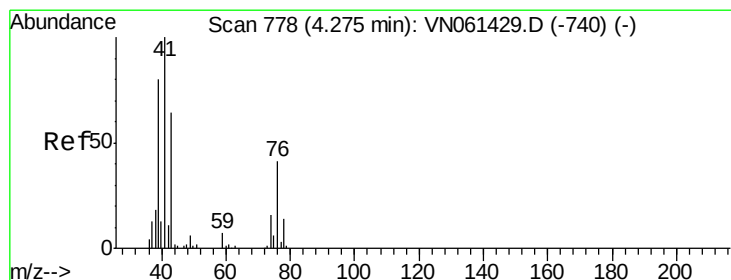
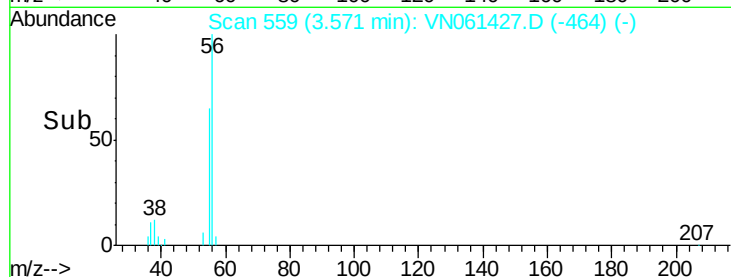
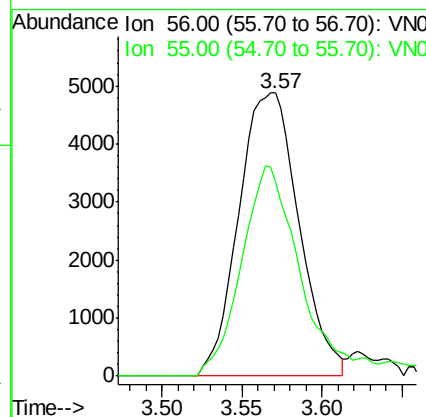
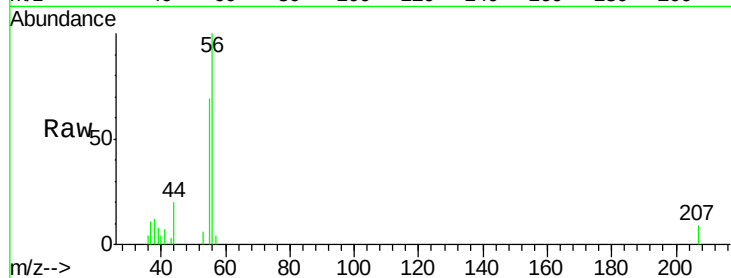
55 72.8 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 5.446 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

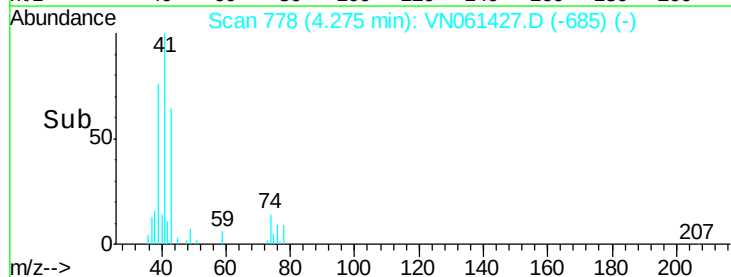
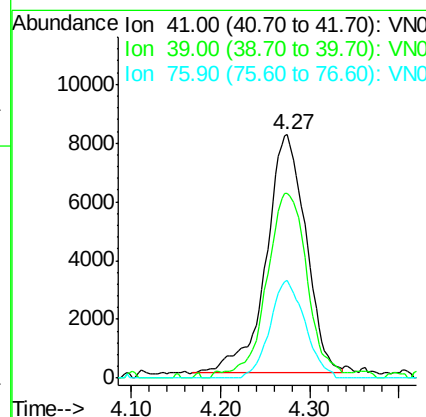
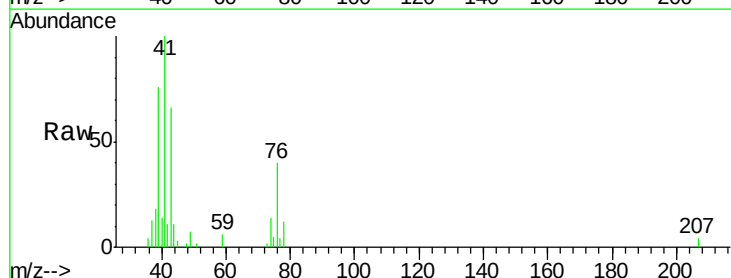
Tgt Ion: 41 Resp: 25085

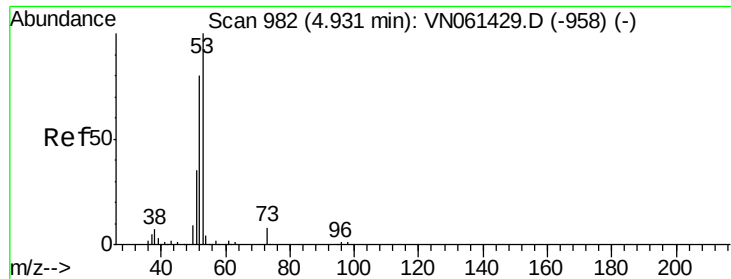
Ion Ratio Lower Upper

41 100

39 72.6 61.2 91.8

76 36.3 29.9 44.9





#15

Acrylonitrile

Concen: 30.812 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

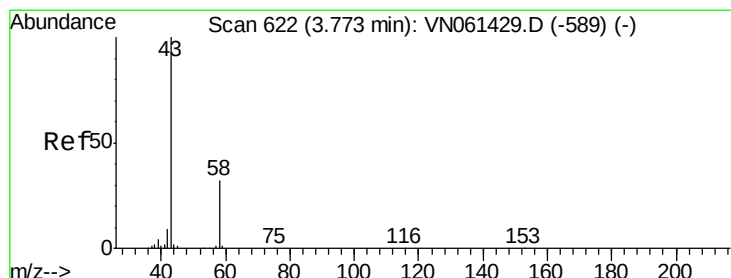
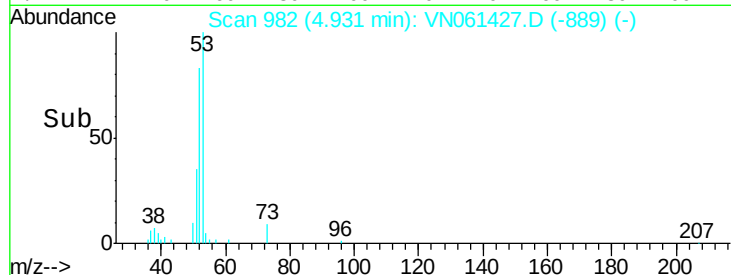
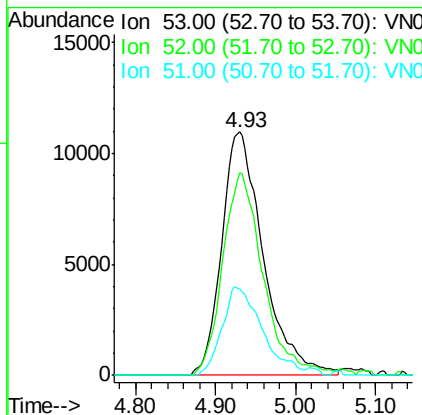
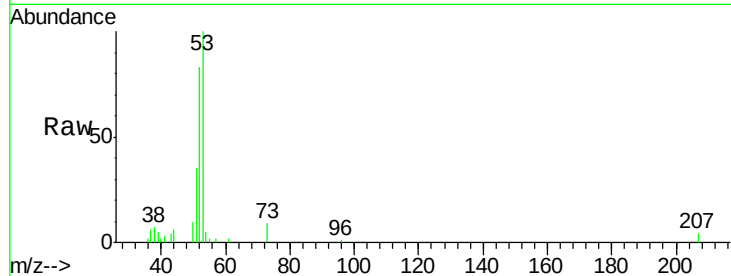
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	39049
Ion	Ratio	Lower	Upper
53	100		
52	80.3	64.7	97.1
51	34.8	29.5	44.3

Manual Integrations
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MMDadoda
5/19/2020 4:25:25 PM



#16

Acetone

Concen: 32.350 ug/l

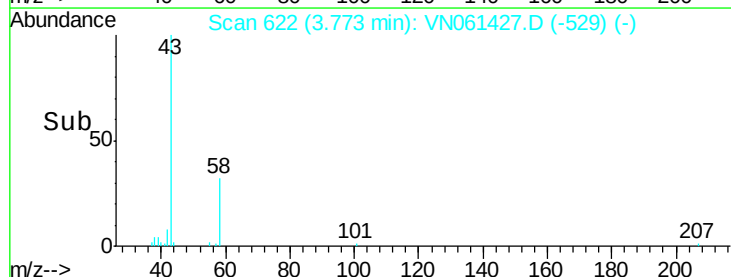
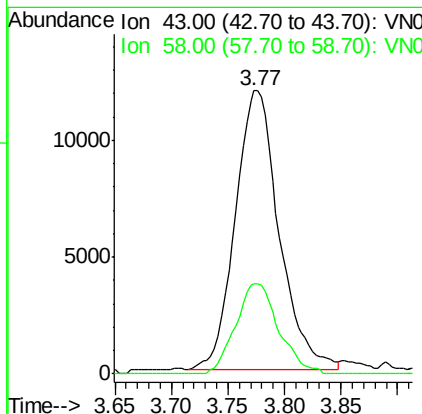
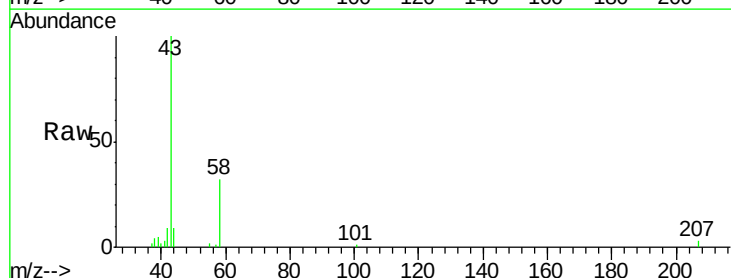
RT: 3.77 min Scan# 622

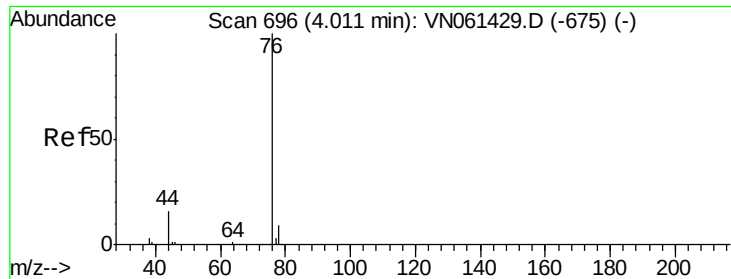
Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	43	Resp:	32123
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.6	38.4





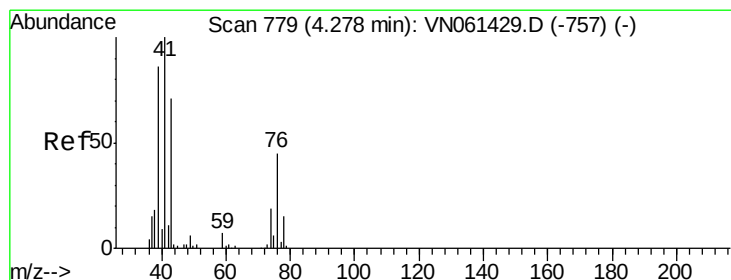
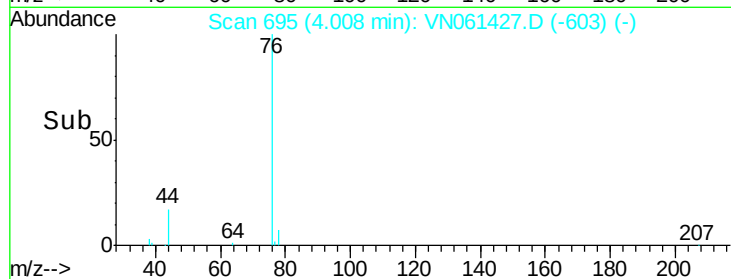
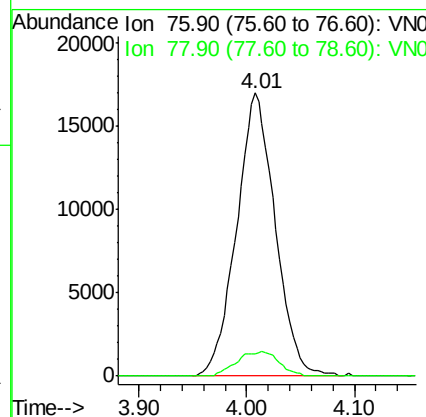
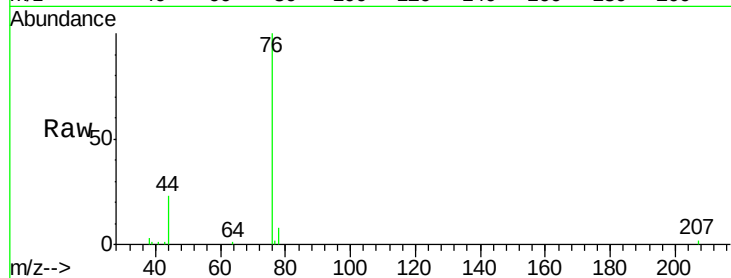
#17
Carbon Disulfide
Concen: 6.340 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 42396
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0

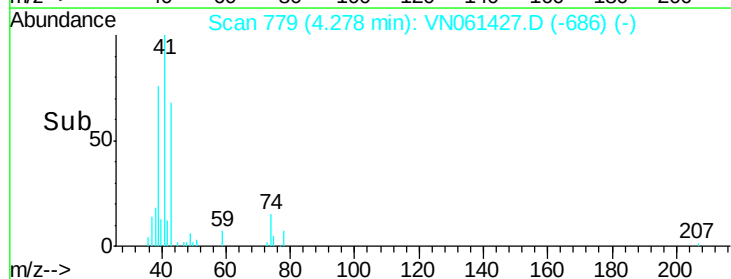
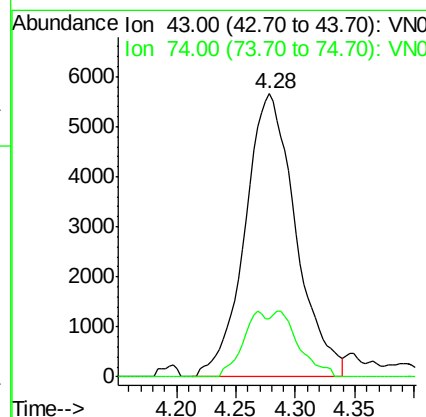
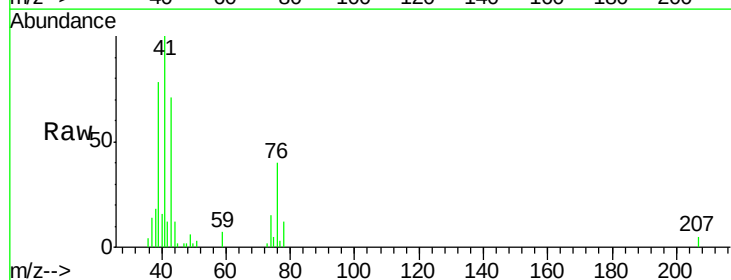
Manual Integrations
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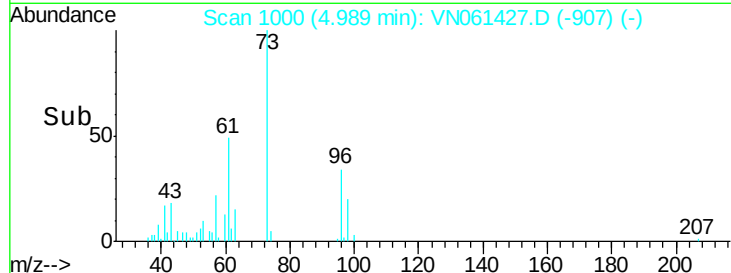
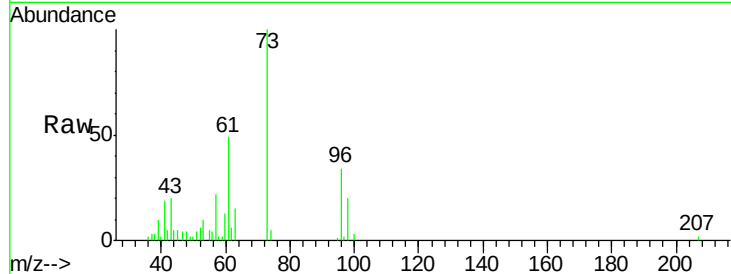
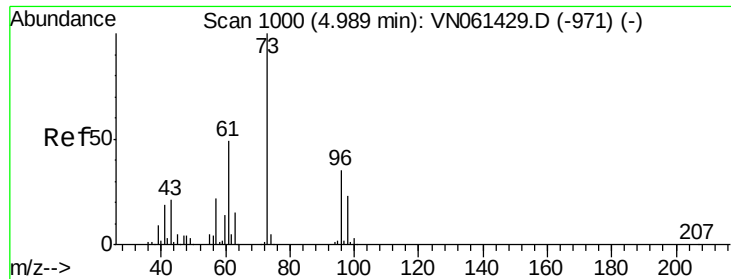
MMDadoda
5/19/2020 4:25:25 PM



#18
Methyl Acetate
Concen: 5.760 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 43 Resp: 16738
Ion Ratio Lower Upper
43 100
74 11.7 20.8 31.2#





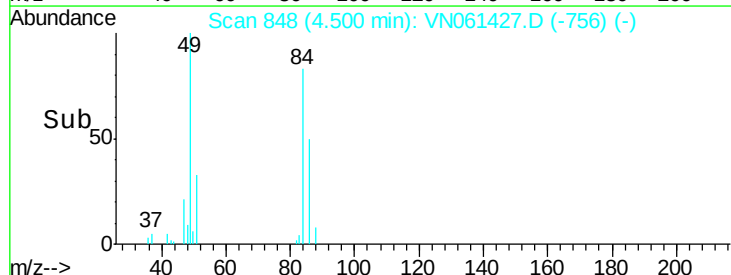
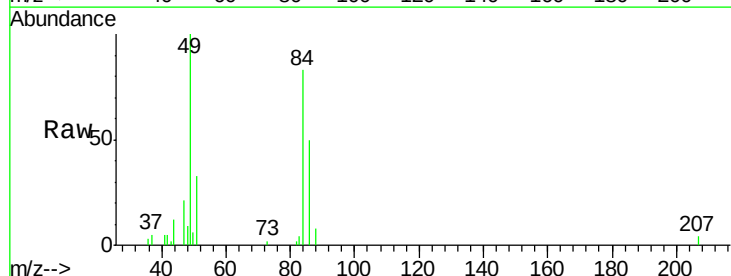
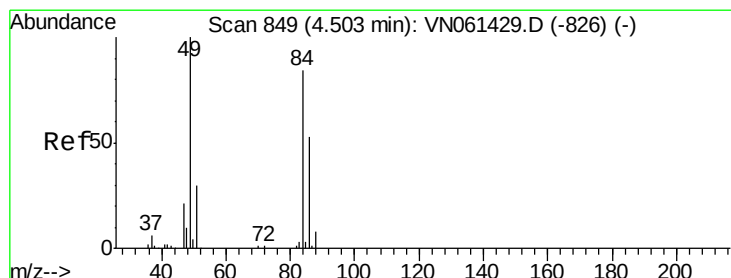
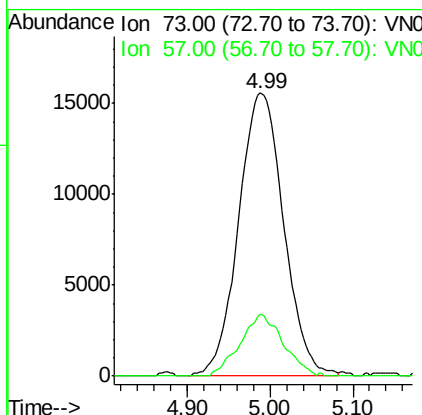
#19
Methyl tert-butyl Ether
Concen: 5.785 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tot Ion: 73 Resp: 58852
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

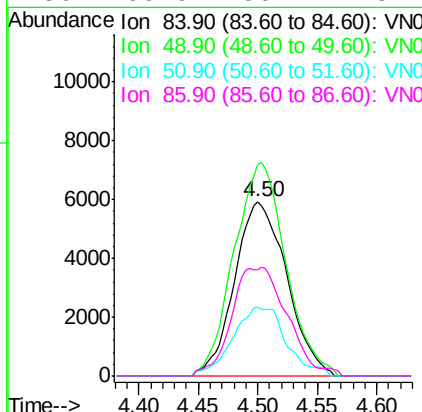
Manual Integrations
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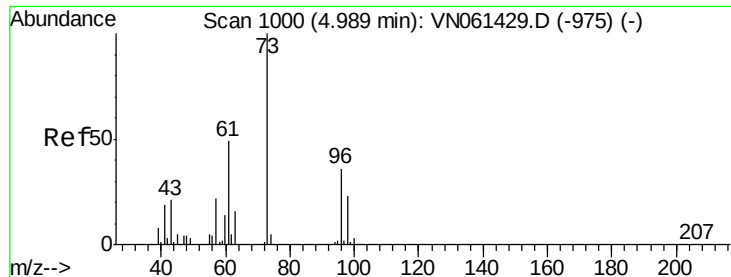
MMDadoda
5/19/2020 4:25:25 PM



#20
Methylene Chloride
Concen: 5.750 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion: 84 Resp: 18022
Ion Ratio Lower Upper
84 100
49 120.7 95.3 142.9
51 39.3 29.0 43.6
86 60.9 50.2 75.2





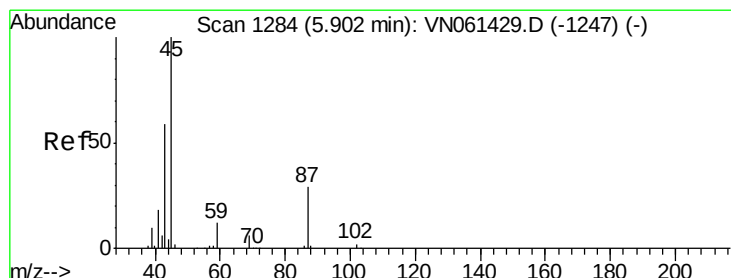
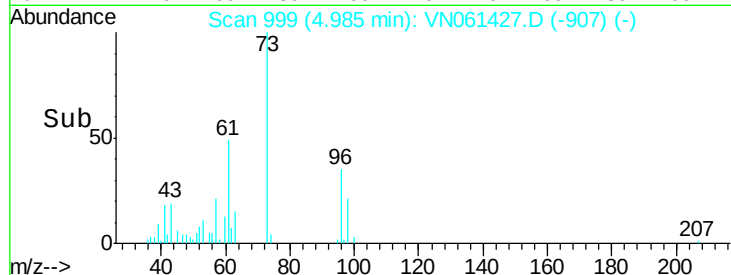
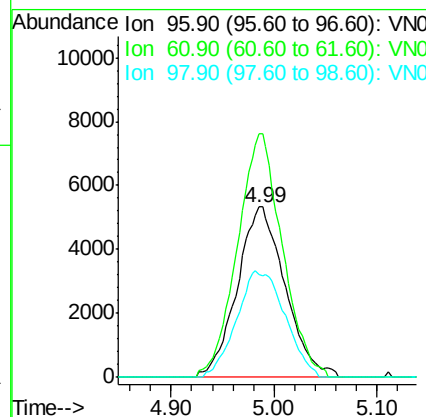
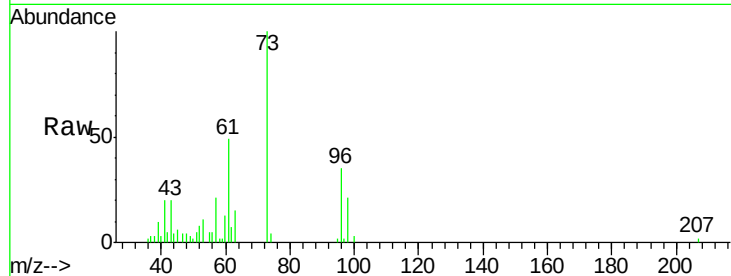
#21
trans-1,2-Dichloroethene
Concen: 5.488 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	109.8	164.6
98	60.4	52.4	78.6

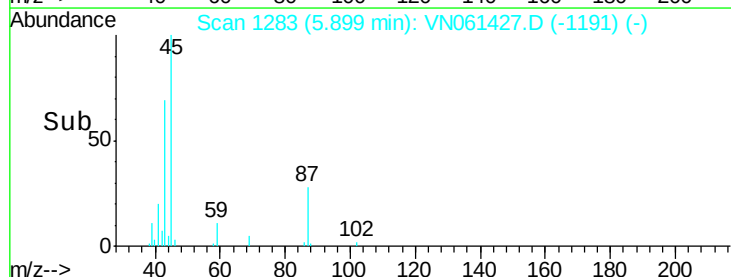
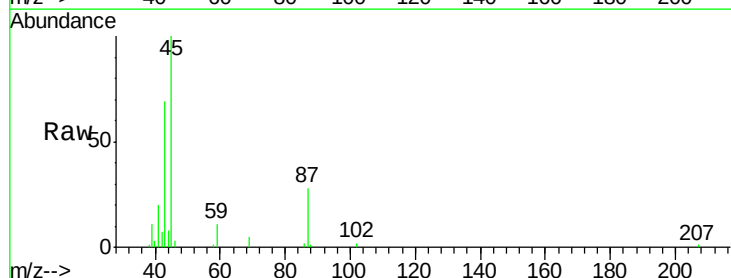
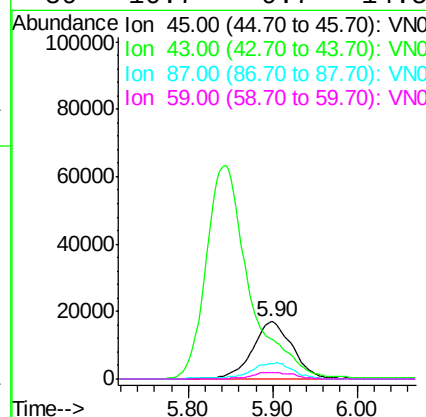
Manual Integrations
APPROVED

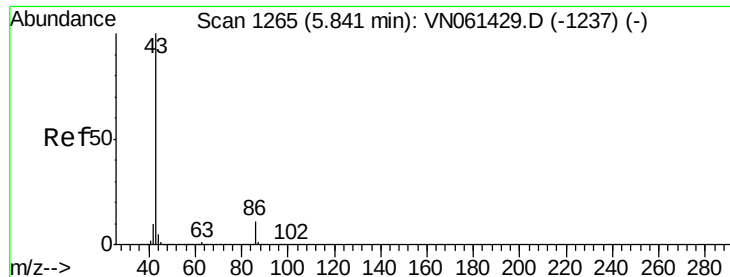
MMDadoda
5/19/2020 4:25:25 PM



#22
Diisopropyl ether
Concen: 5.507 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	47.9	71.9
87	27.6	24.0	36.0
59	10.7	9.7	14.5





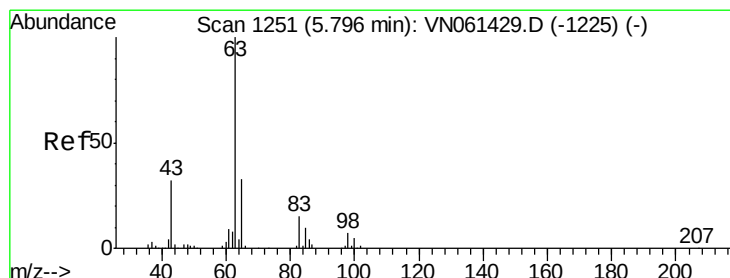
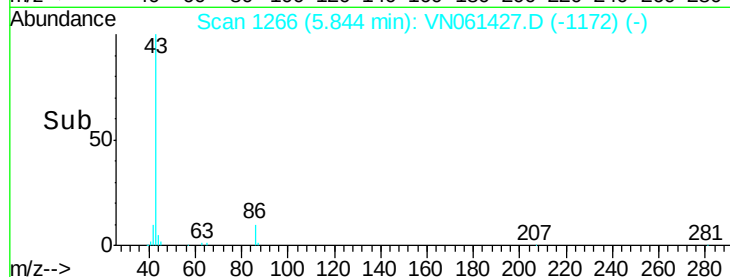
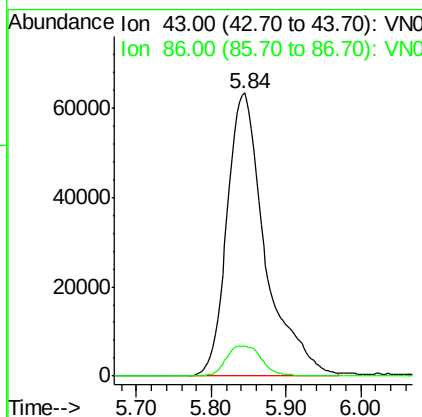
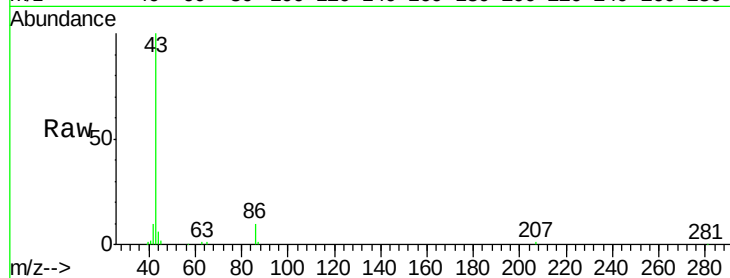
#23
 Vinyl Acetate
 Concen: 26.984 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	225090
Ion Ratio	100	Lower	Upper
43	100		
86	10.5	9.1	13.7

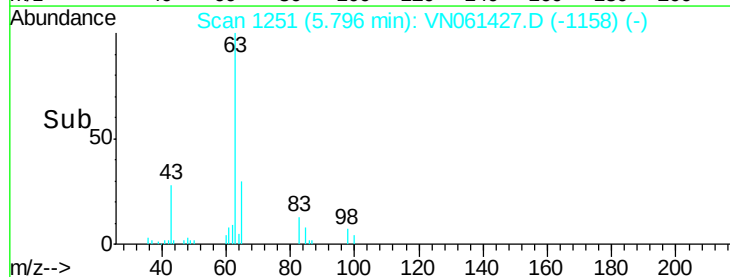
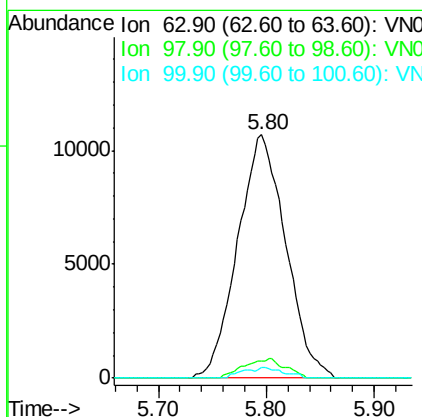
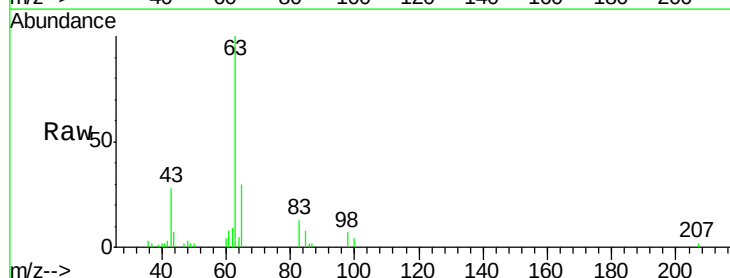
Manual Integrations
 APPROVED

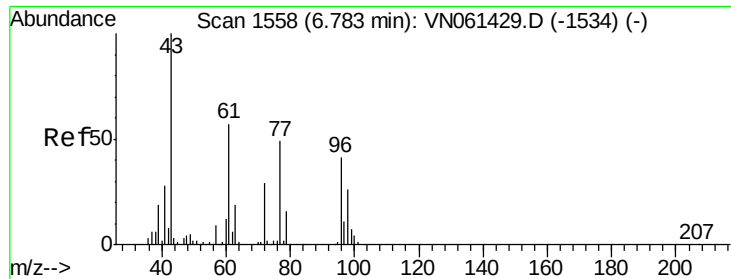
MMDadoda
 5/19/2020 4:25:25 PM



#24
 1,1-Dichloroethane
 Concen: 5.641 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	63	Resp	33014
Ion Ratio	100	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.3	2.3	6.9





#25

2-Butanone

Concen: 31.757 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 52200

Ion Ratio Lower Upper

43 100

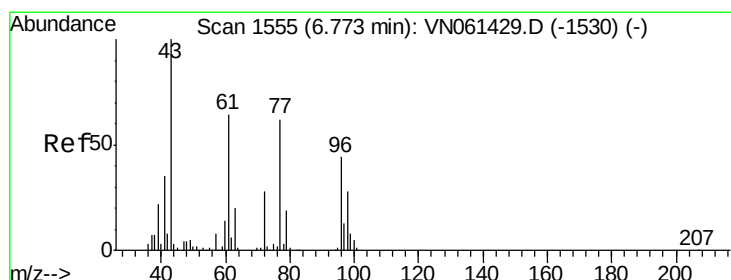
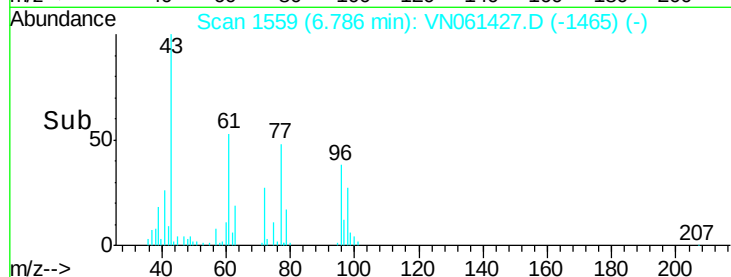
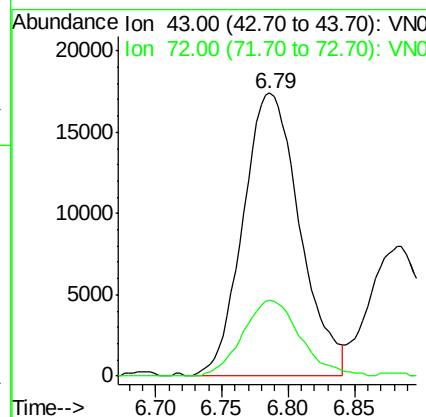
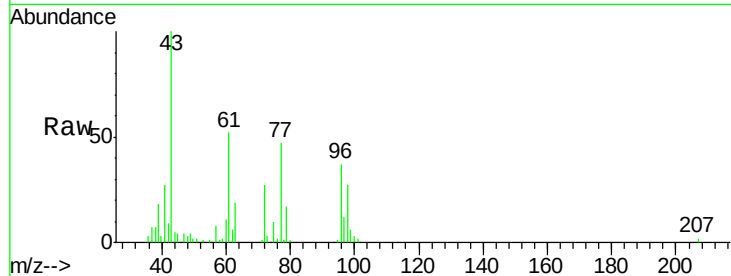
72 26.9 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:25:25 PM



#26

2,2-Dichloropropane

Concen: 6.288 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061427.D

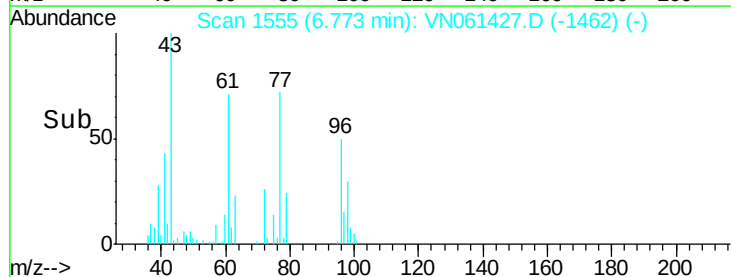
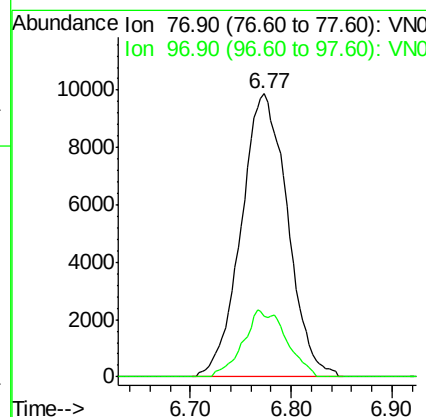
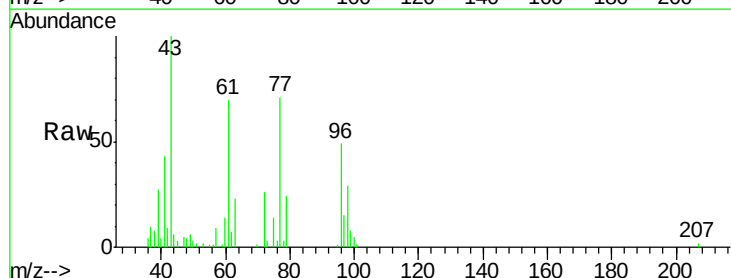
Acq: 18 May 2020 11:14

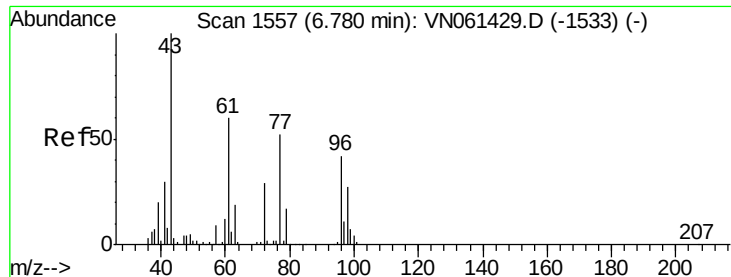
Tgt Ion: 77 Resp: 31513

Ion Ratio Lower Upper

77 100

97 12.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 5.662 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

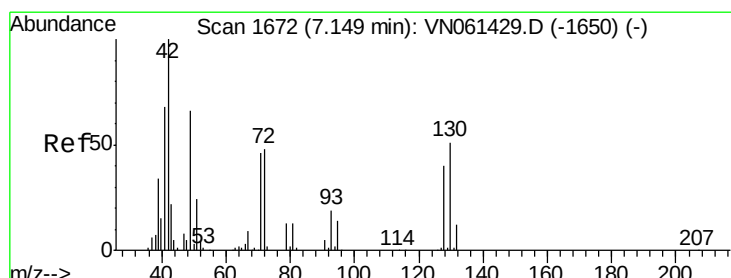
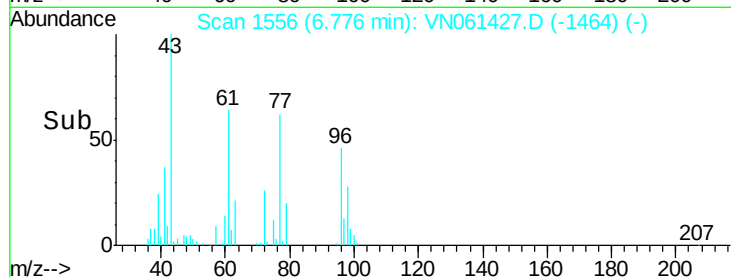
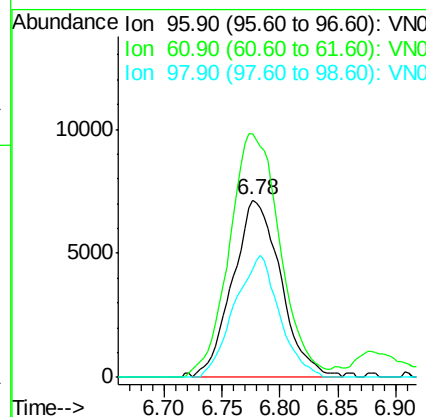
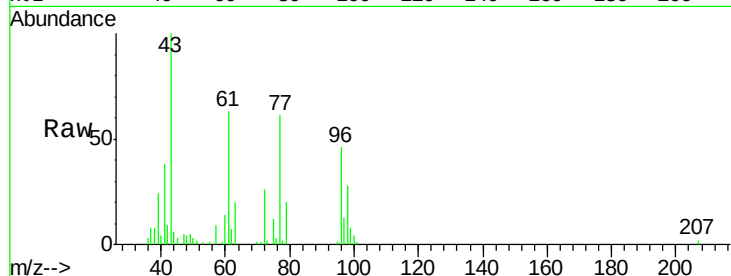
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	20661
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	294.2
98	64.2	0.0	128.2

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#28

Bromochloromethane

Concen: 4.772 ug/l

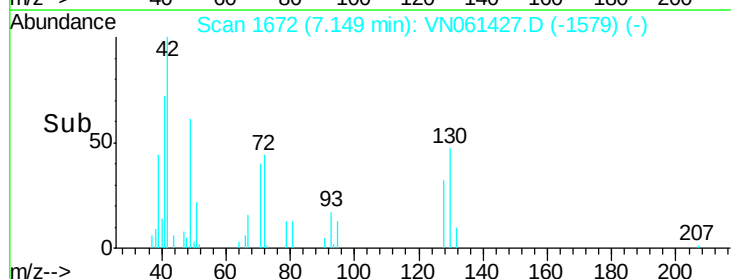
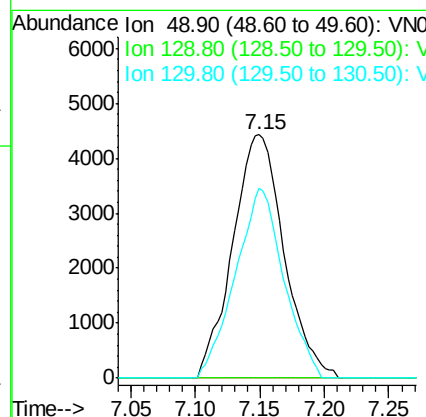
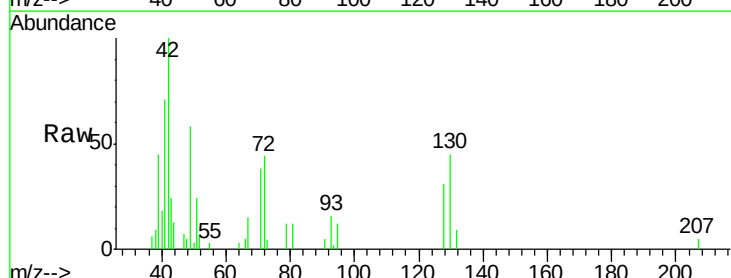
RT: 7.15 min Scan# 1672

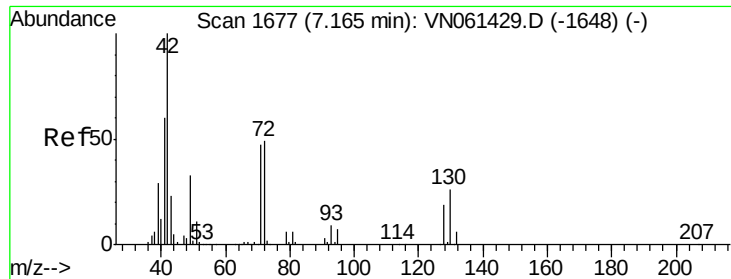
Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	49	Resp:	12263
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	73.3	62.2	93.2





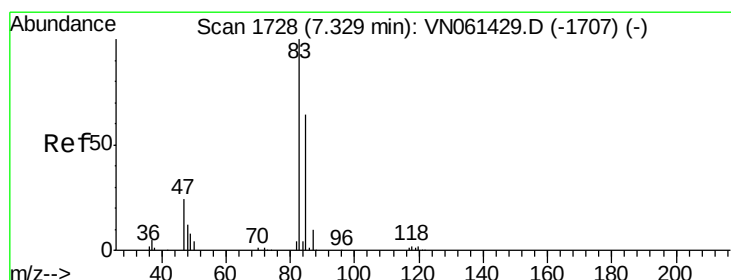
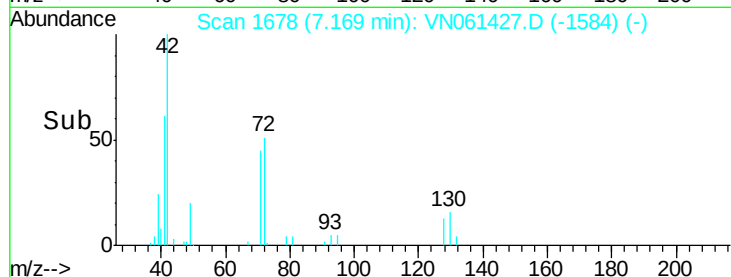
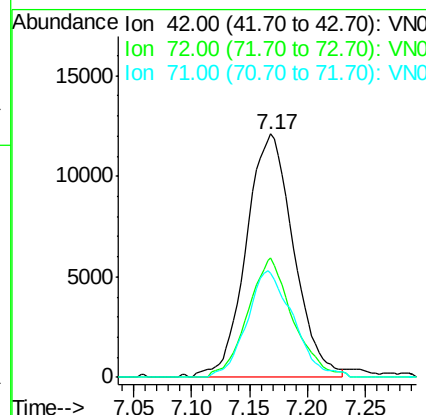
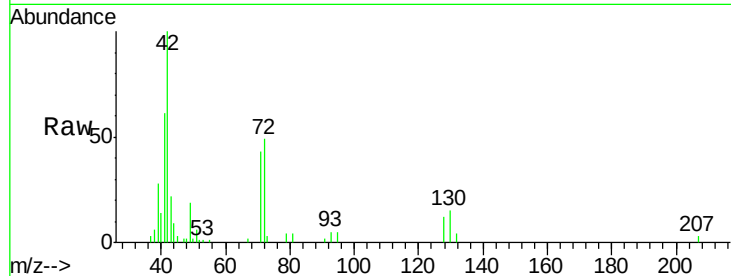
#29
Tetrahydrofuran
Concen: 30.812 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	39.0	58.6
71	42.9	36.9	55.3

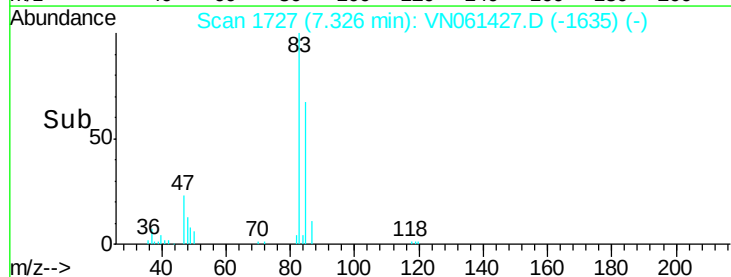
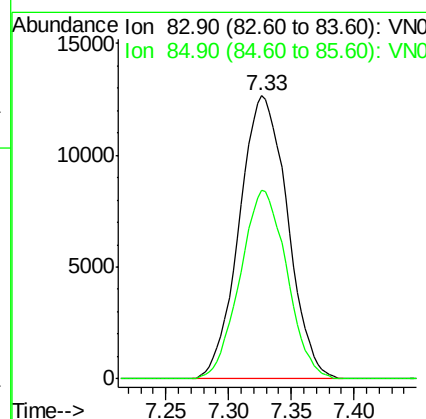
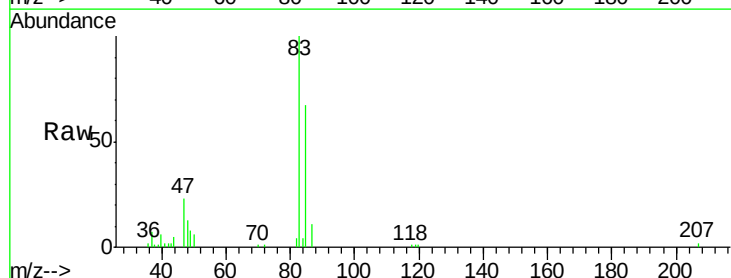
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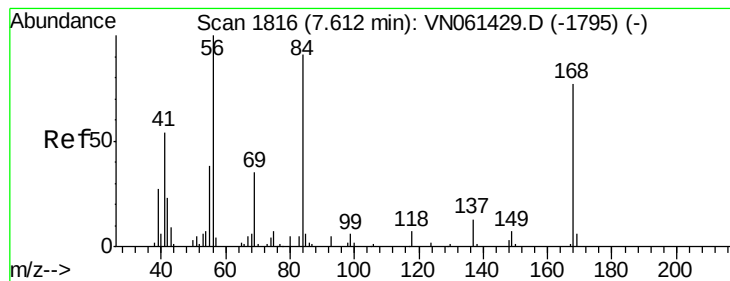
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#30
Chloroform
Concen: 5.503 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.0	76.4





#31

Cyclohexane

Concen: 6.110 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

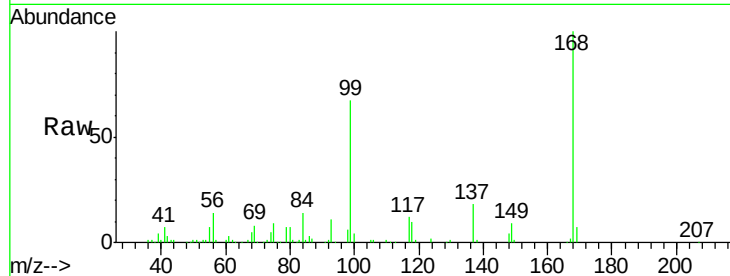
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	35105
Ion Ratio	Lower	Upper	
56	100		
69	54.7	27.8	41.6#
84	96.7	72.7	109.1

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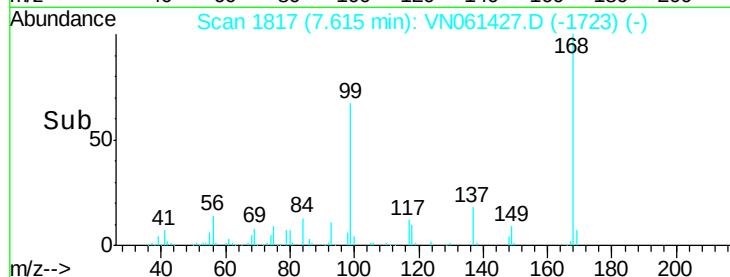


Abundance Ion 56.00 (55.70 to 56.70): VN061427.D (-1795) (-)

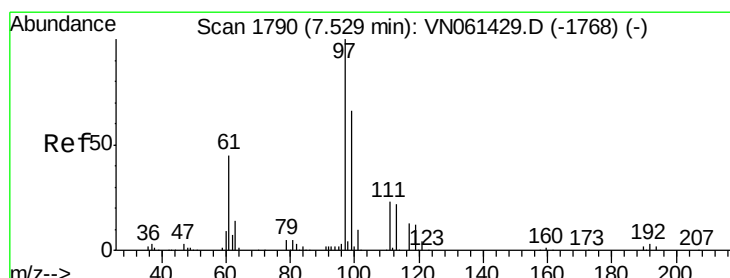
Ion 69.00 (68.70 to 69.70): VN061427.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061427.D (-1795) (-)

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 5.589 ug/l

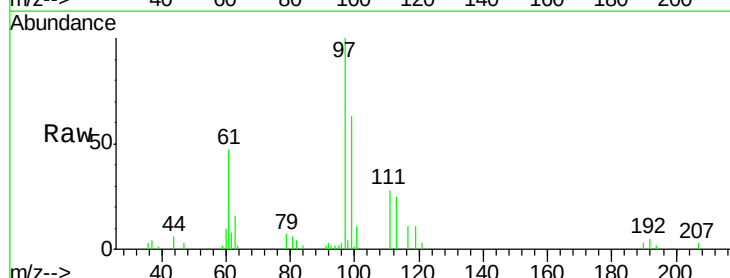
RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	97	Resp:	30557
Ion Ratio	Lower	Upper	
97	100		
99	62.1	51.5	77.3
61	46.5	35.8	53.6

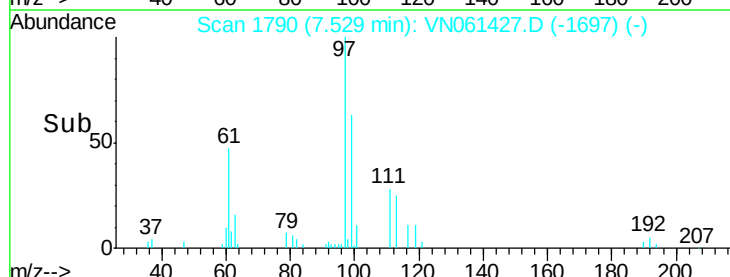


Abundance Ion 96.90 (96.60 to 97.60): VN061427.D (-1697) (-)

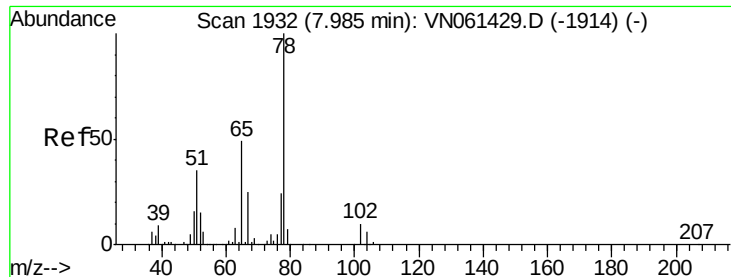
Ion 98.90 (98.60 to 99.60): VN061427.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061427.D (-1697) (-)

Time-->



Time-->



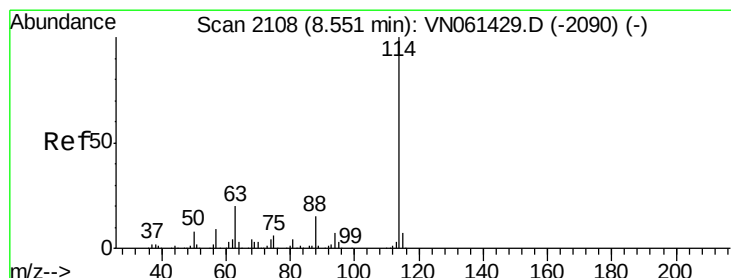
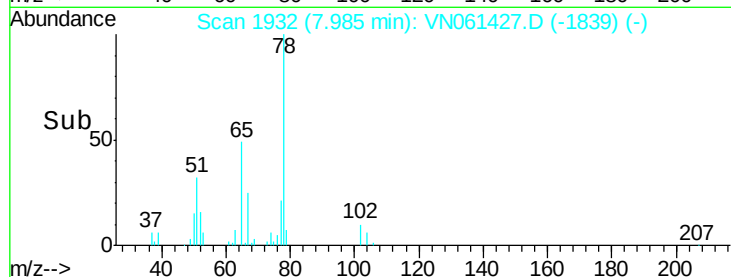
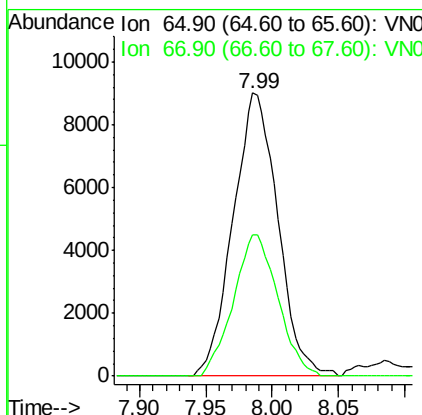
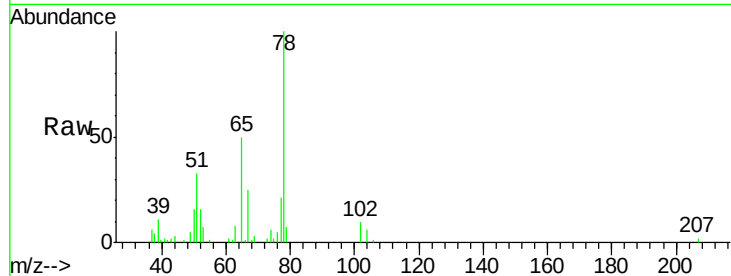
#33
 1,2-Dichloroethane-d4
 Concen: 5.373 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	21135		
67	49.6	0.0	101.4	

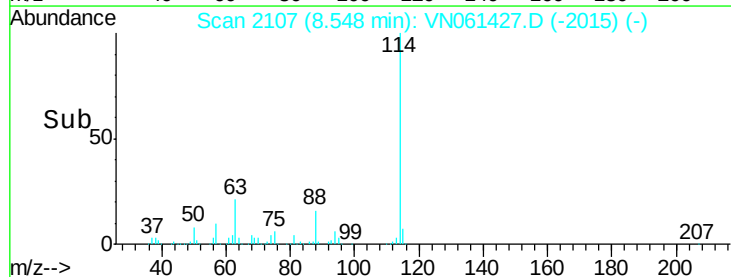
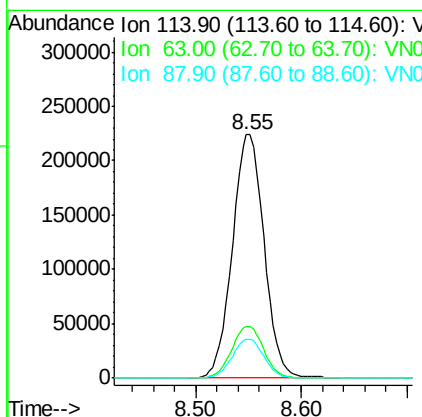
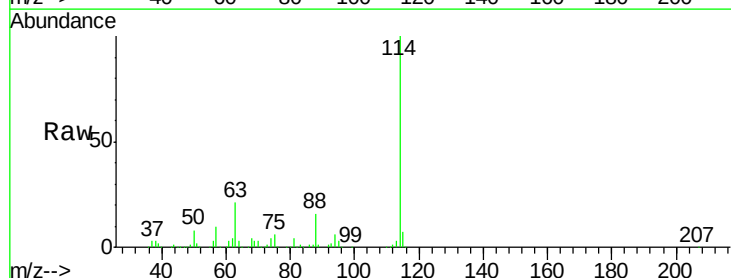
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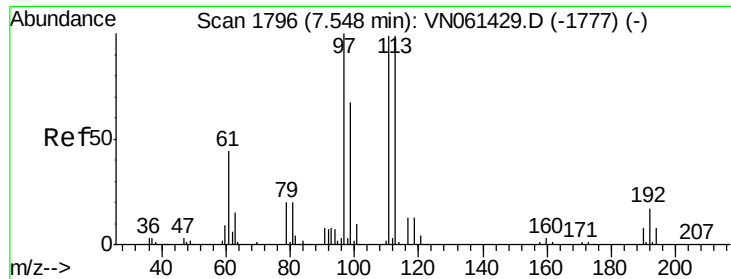
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	467761		
63	21.4	0.0	40.8	
88	15.9	0.0	30.8	





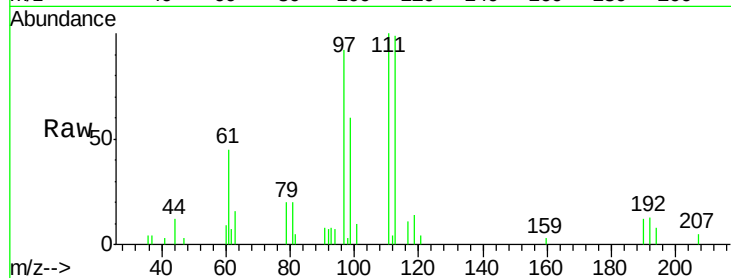
#35
 Dibromofluoromethane
 Concen: 6.085 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

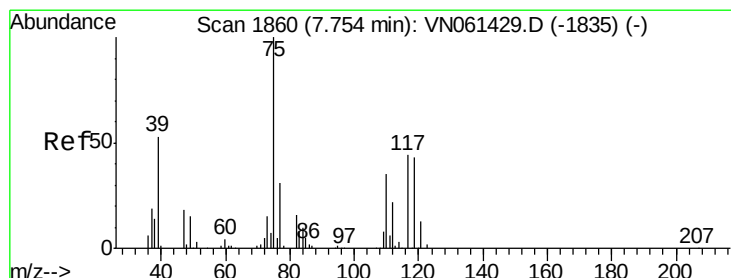
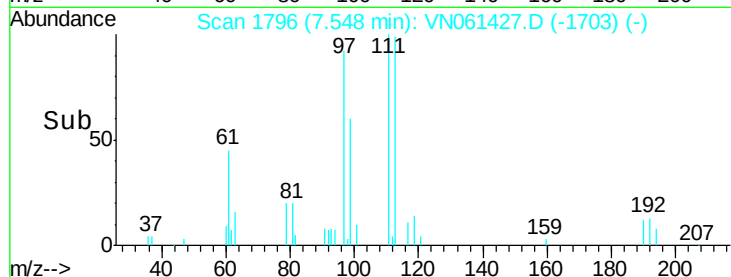
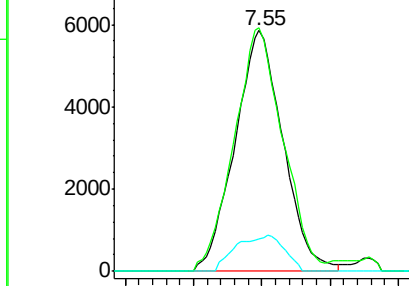
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.6	121.0
192	15.0	13.2	19.8

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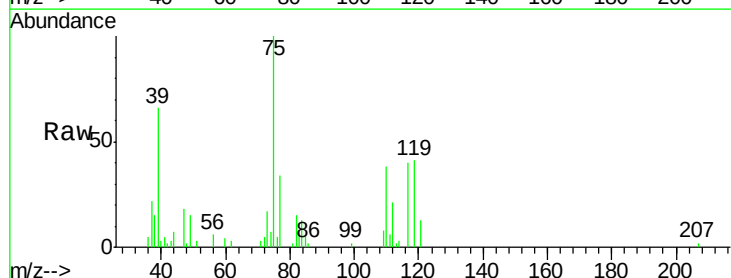


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

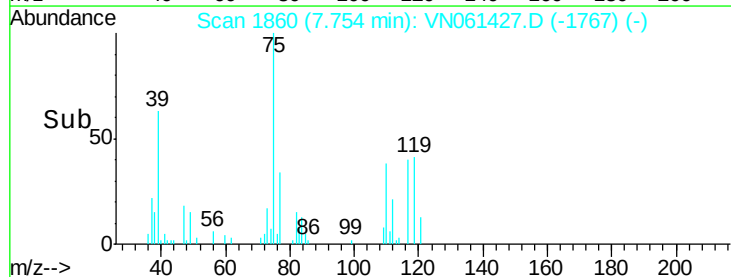
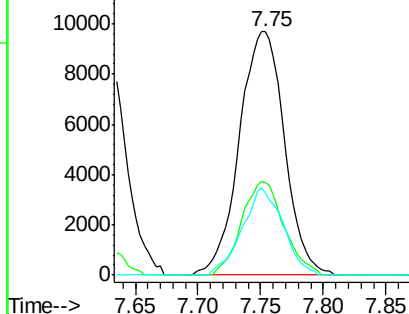


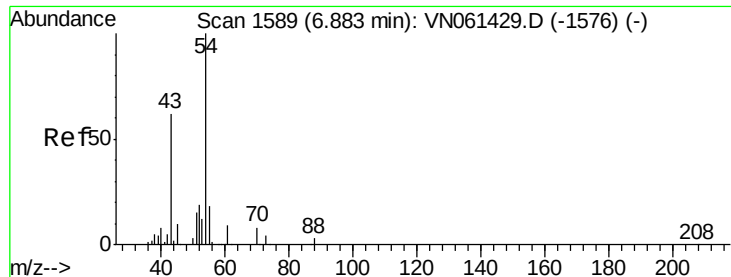
#36
 1,1-Dichloropropene
 Concen: 5.194 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.3	51.9
77	32.4	24.9	37.3



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





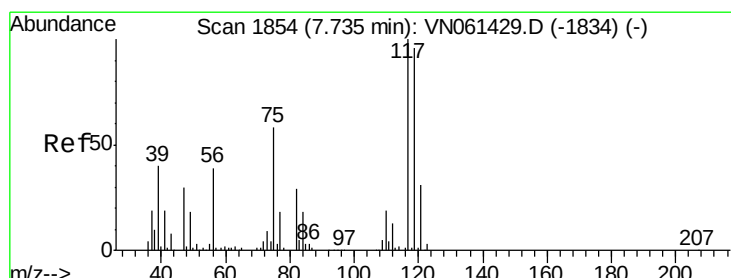
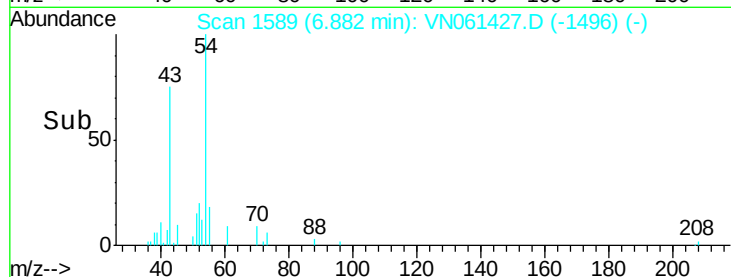
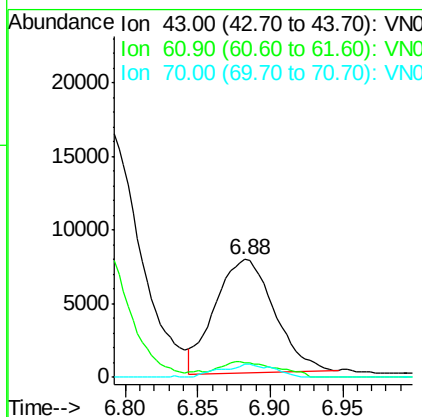
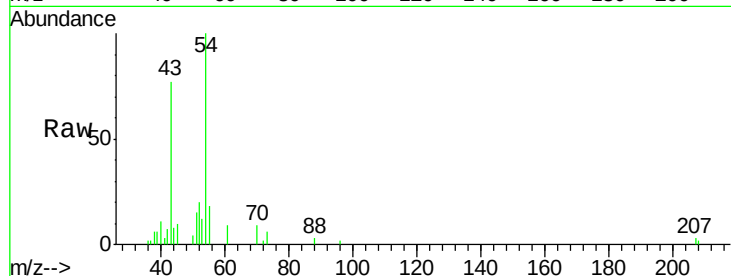
#37
Ethyl Acetate
Concen: 5.646 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.7	17.5
70	10.4	9.2	13.8

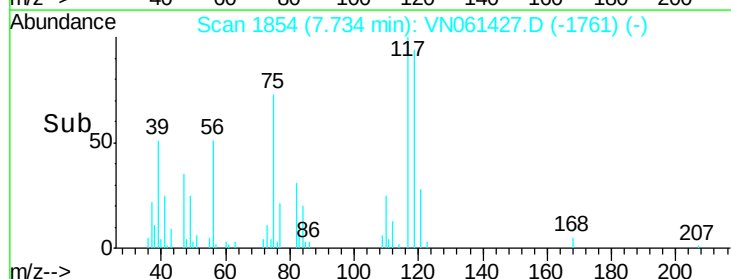
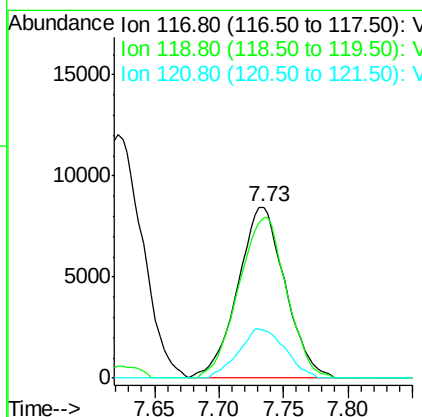
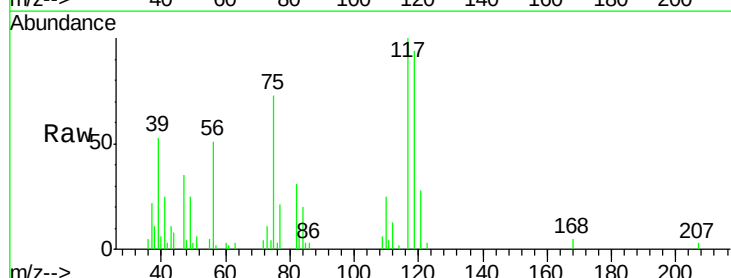
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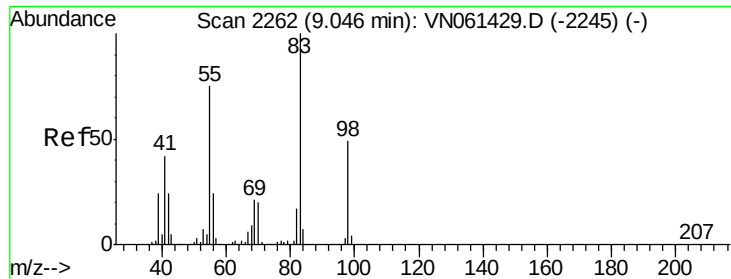
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.0	115.6
121	27.7	24.7	37.1





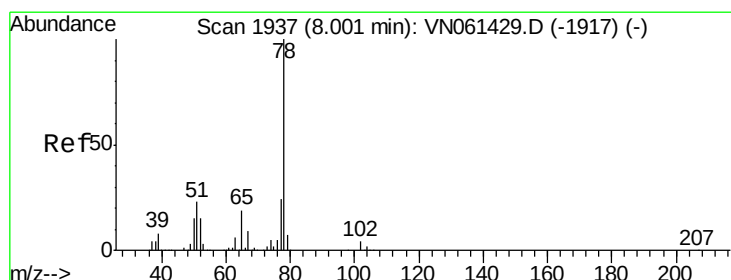
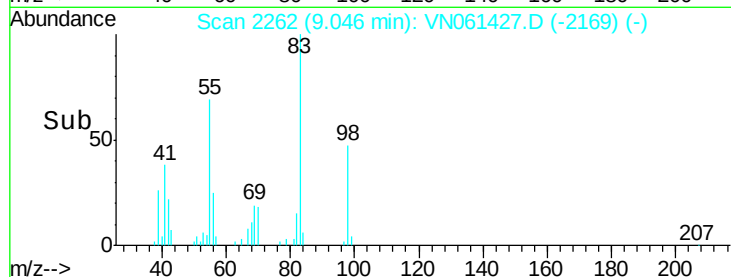
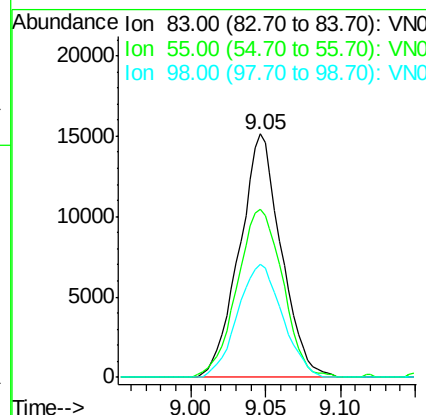
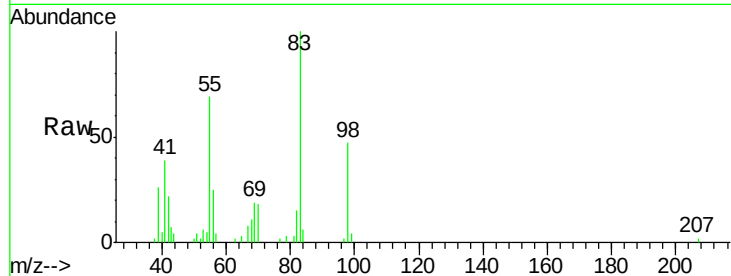
#39
Methylvlcyclohexane
Concen: 5.293 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	59.7	89.5
98	46.5	38.9	58.3

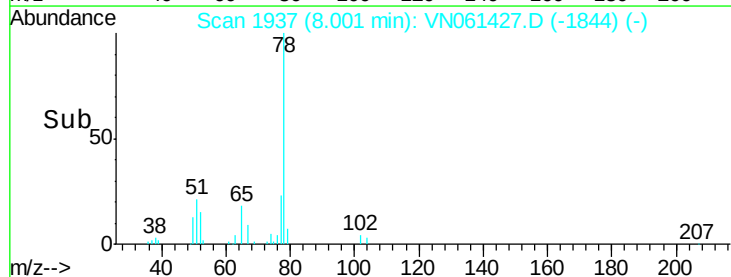
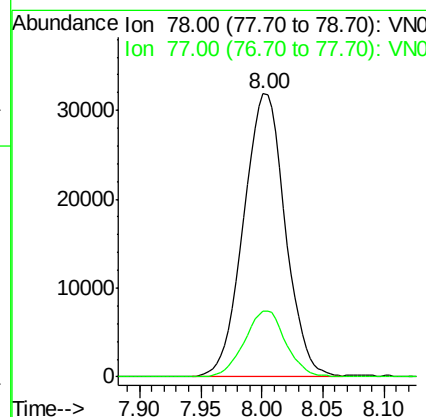
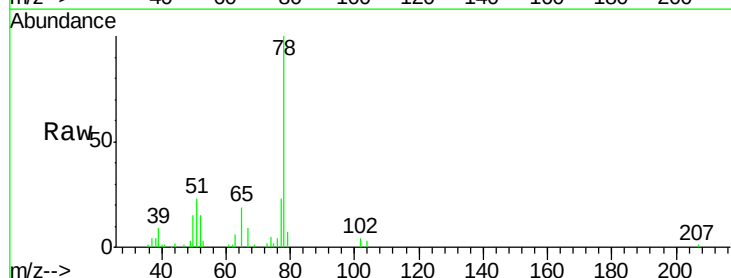
Manual Integrations
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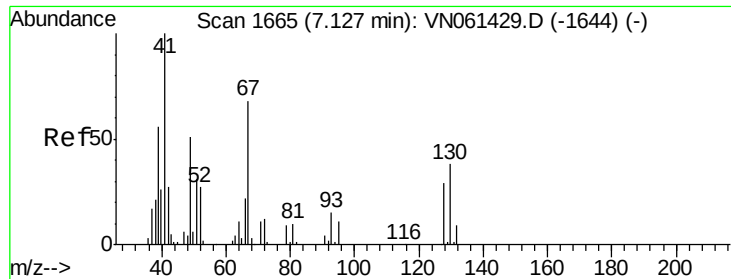
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#40
Benzene
Concen: 5.490 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





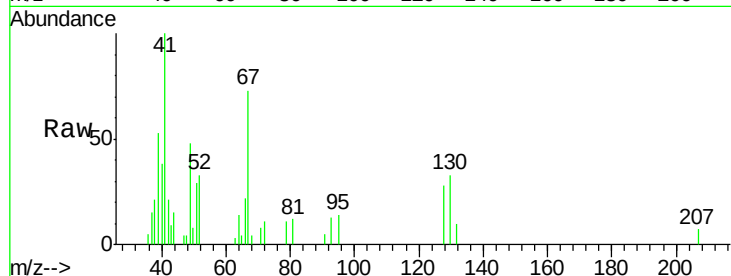
#41
Methacrylonitrile
Concen: 4.600 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

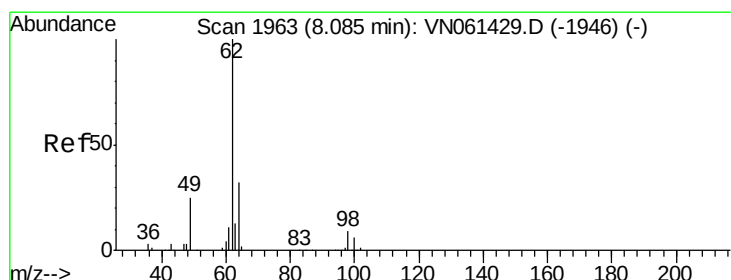
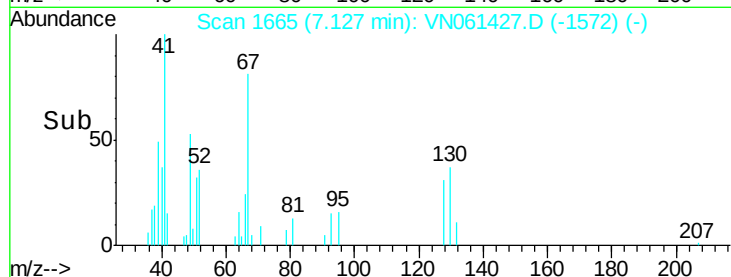
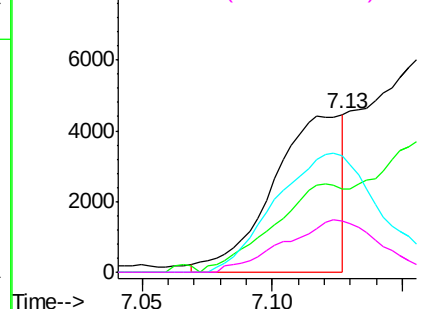
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	118.7	48.3	72.5#	
67	0.0	74.2	111.4#	
52	0.0	30.8	46.2#	

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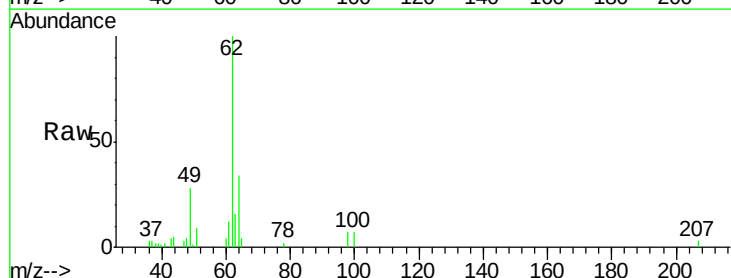


Abundance Ion 41.00 (40.70 to 41.70): VN061427.D (-1644) (-)
Ion 39.00 (38.70 to 39.70): VN061427.D (-1644) (-)
Ion 67.00 (66.70 to 67.70): VN061427.D (-1644) (-)
Ion 52.00 (51.70 to 52.70): VN061427.D (-1644) (-)

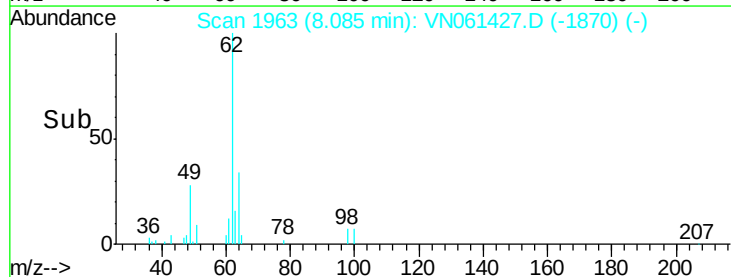
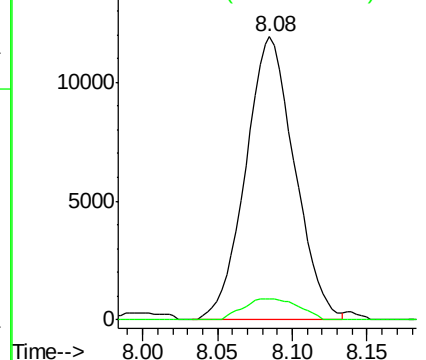


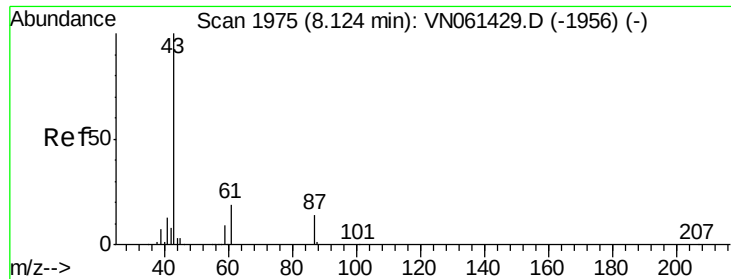
#42
1,2-Dichloroethane
Concen: 5.496 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	18.4	



Abundance Ion 61.90 (61.60 to 62.60): VN061427.D (-1946) (-)
Ion 97.90 (97.60 to 98.60): VN061427.D (-1946) (-)





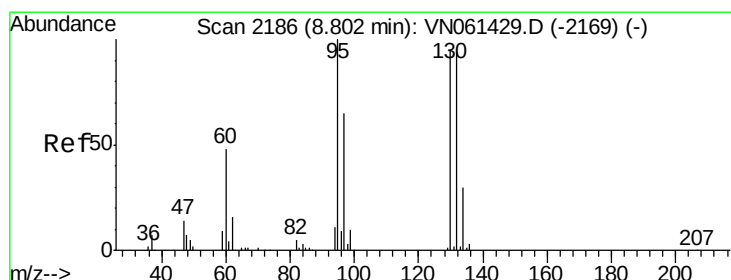
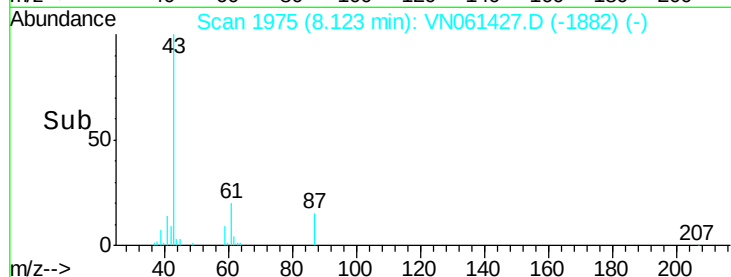
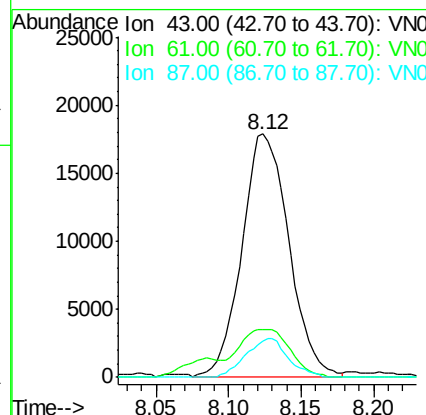
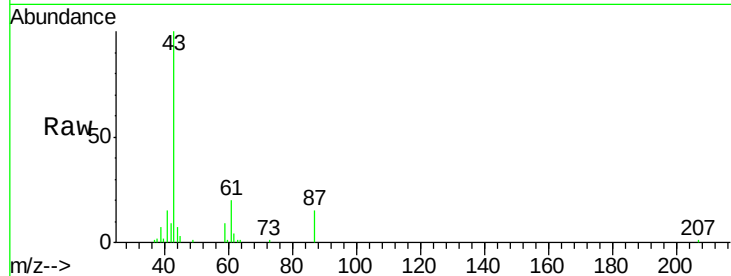
#43
Isopropyl Acetate
Concen: 5.411 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	40477
Ion Ratio	100	Lower	Upper
43	100		
61	21.0	23.0	34.4#
87	14.3	11.6	17.4

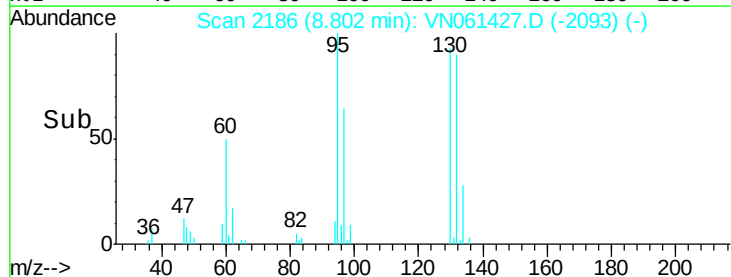
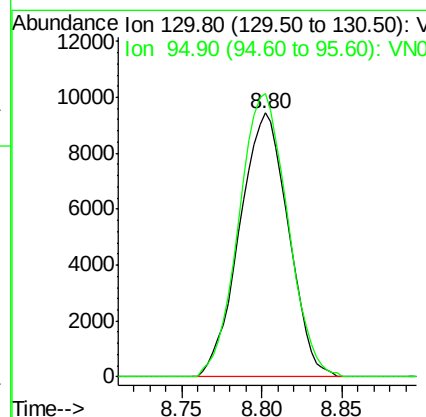
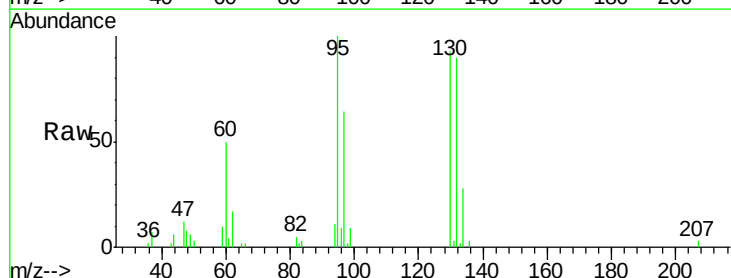
Manual Integrations
APPROVED

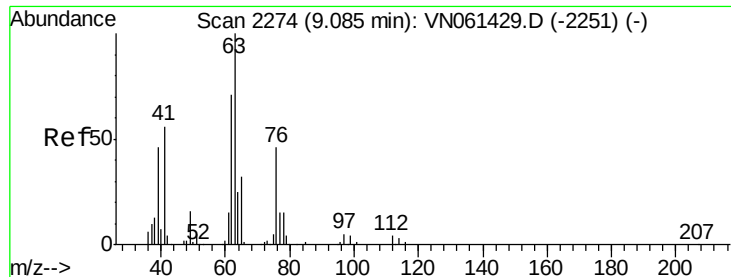
MMDadoda
5/19/2020 4:25:25 PM



#44
Trichloroethene
Concen: 5.542 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	130	Resp	19669
Ion Ratio	100	Lower	Upper
130	100		
95	107.2	0.0	209.8





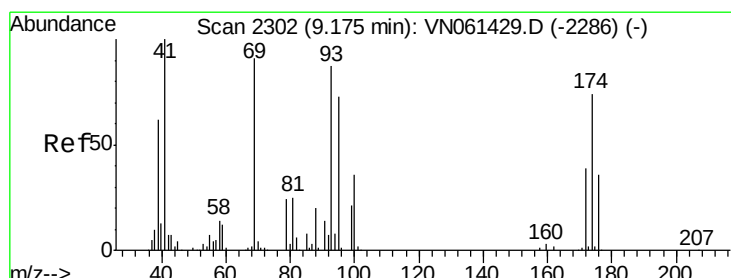
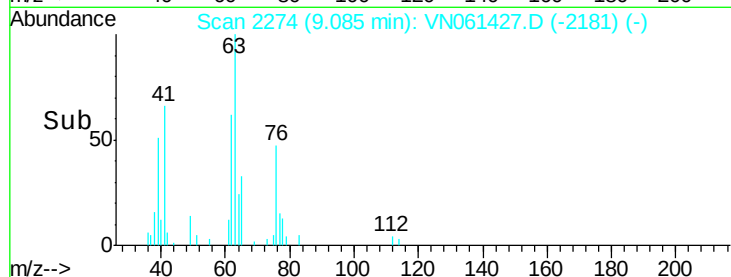
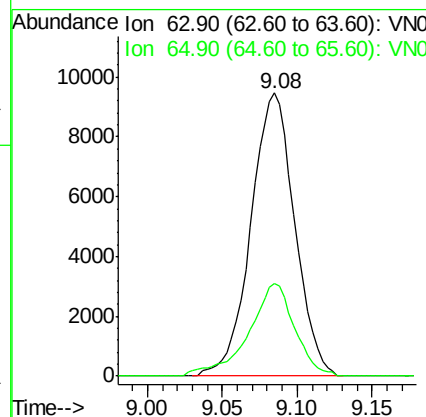
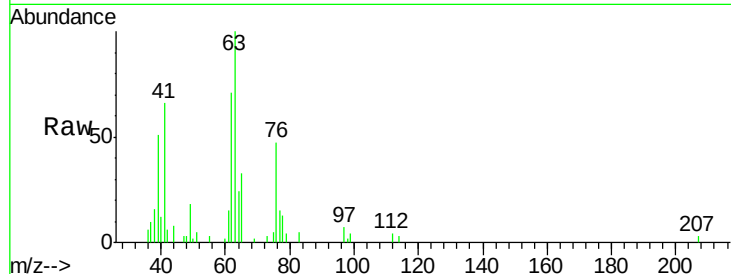
#45
 1,2-Dichloropropane
 Concen: 5.562 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.2	37.8

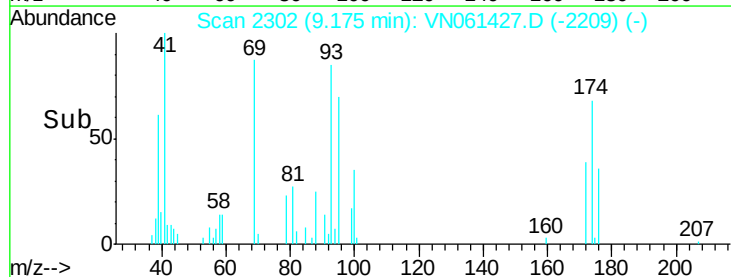
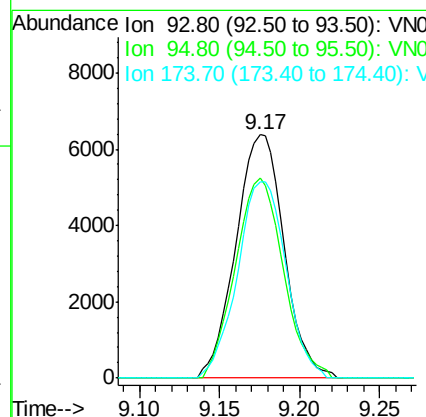
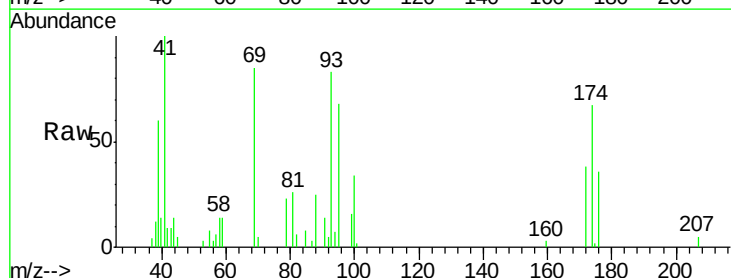
Manual Integrations
 APPROVED

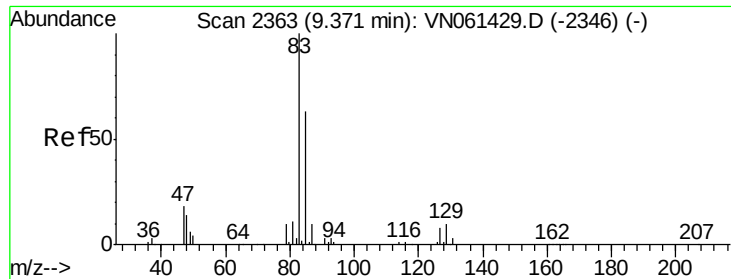
MMDadoda
 5/19/2020 4:25:25 PM



#46
 Dibromomethane
 Concen: 5.640 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.6	98.4
174	81.3	68.0	102.0





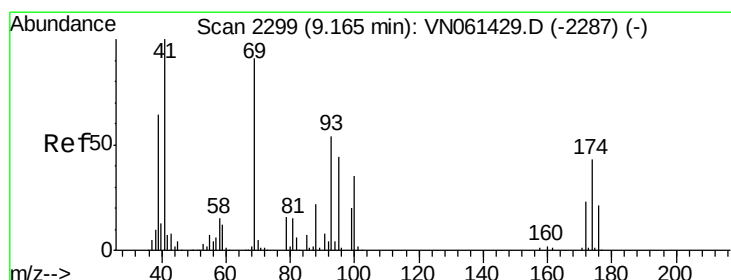
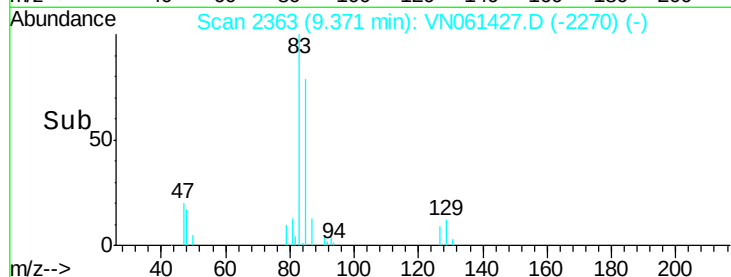
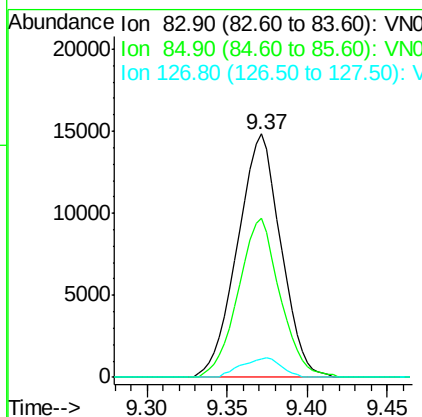
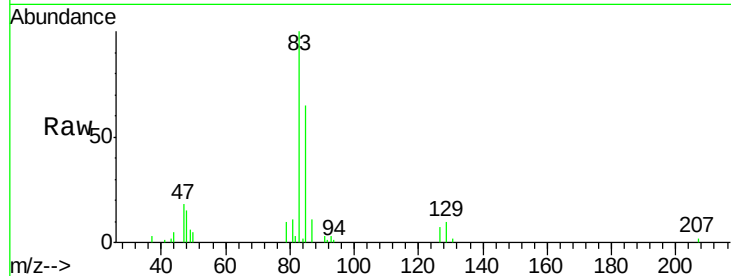
#47
Bromodichloromethane
Concen: 5.451 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	27534
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.6	76.0
127	7.4	6.1	9.1

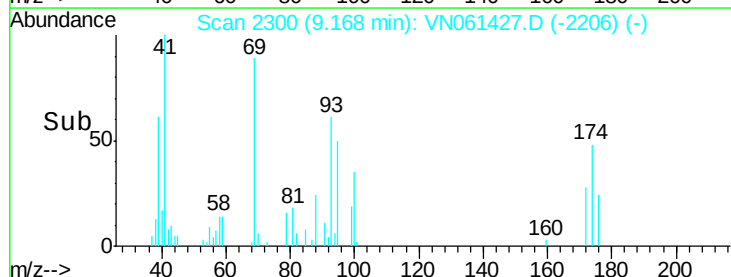
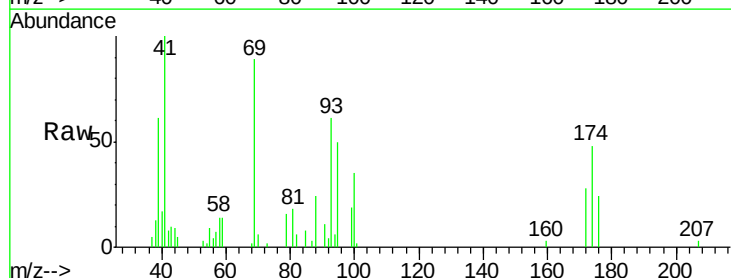
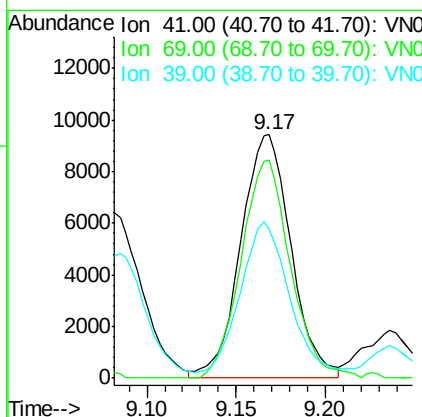
Manual Integrations
APPROVED

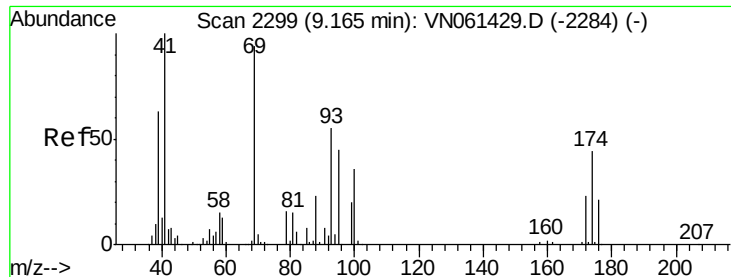
MMDadoda
5/19/2020 4:25:25 PM



#48
Methyl methacrylate
Concen: 5.490 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	41	Resp	18582
Ion Ratio	100	Lower	Upper
41	100		
69	87.4	75.3	112.9
39	61.2	52.6	79.0





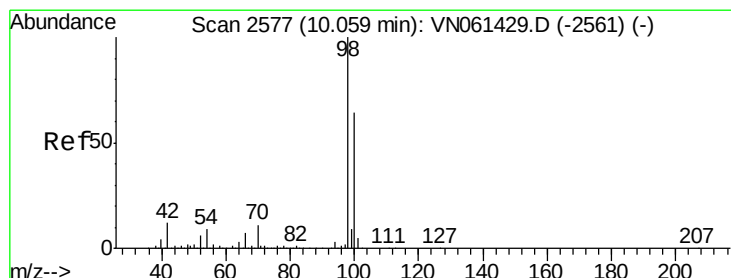
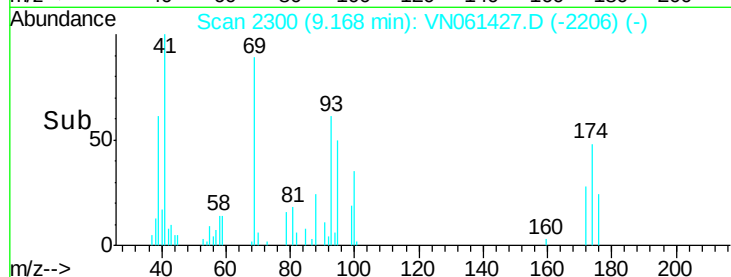
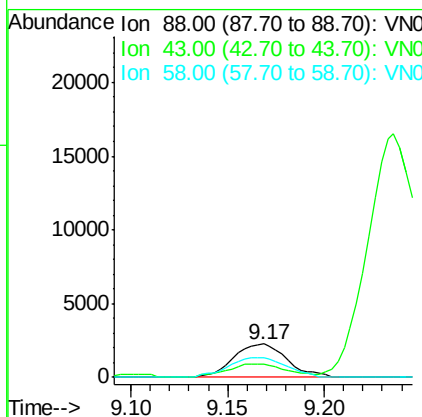
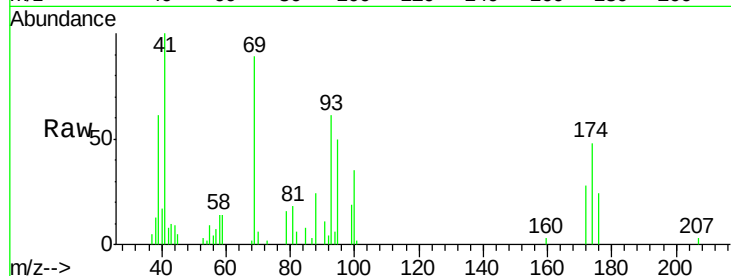
#49
1,4-Dioxane
Concen: 198.264 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.3	26.3	39.5#
58	64.2	54.1	81.1

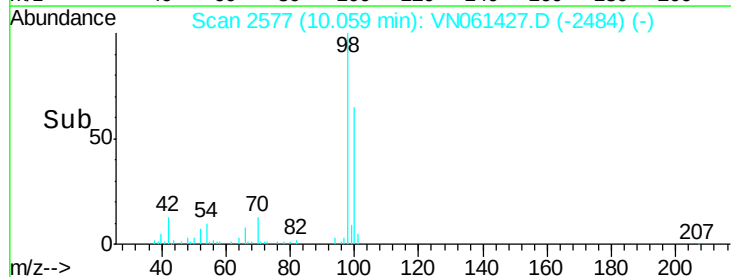
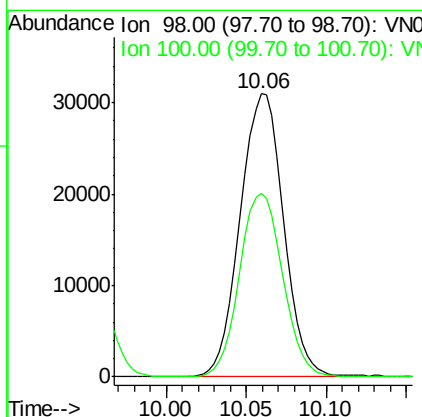
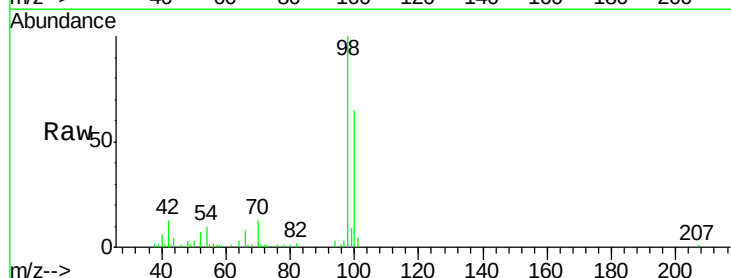
Manual Integrations
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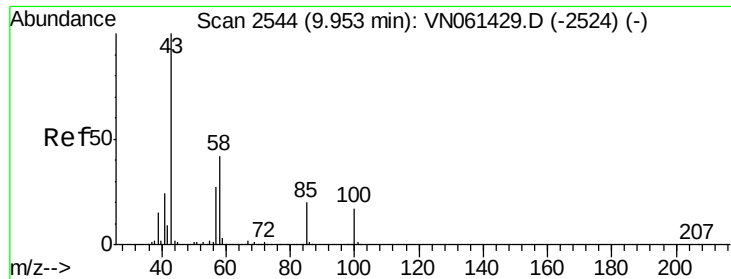
MMDadoda
5/19/2020 4:25:25 PM



#50
Toluene-d8
Concen: 4.952 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 27.728 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 111687

Ion Ratio Lower Upper

43 100

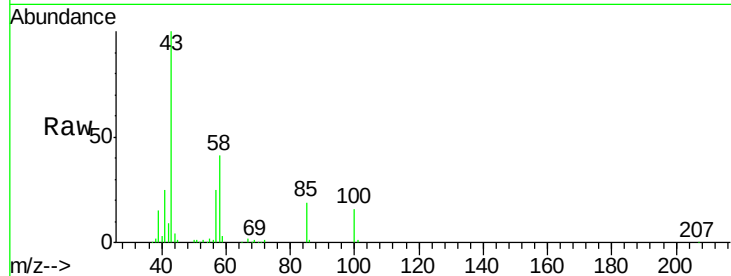
58 40.7 33.4 50.2

Manual Integrations

APPROVED

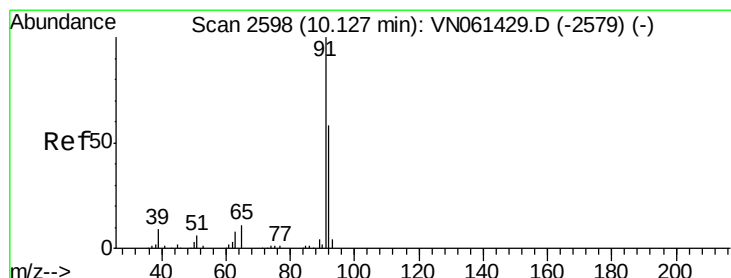
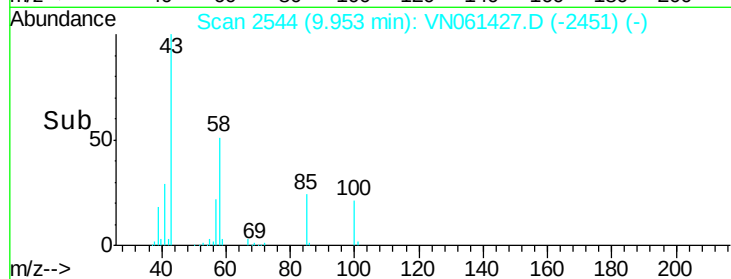
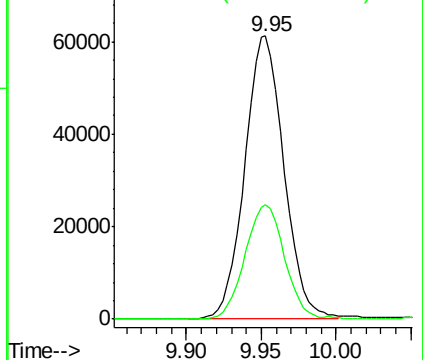
MMDadoda

5/19/2020 4:25:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.413 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061427.D

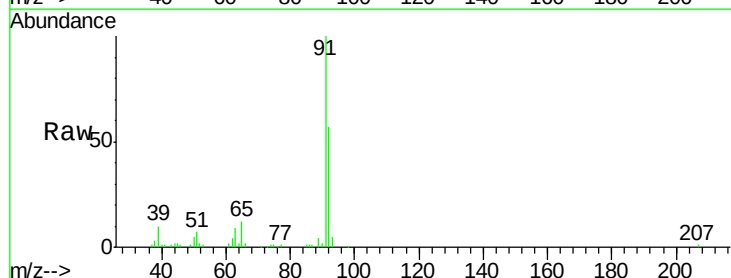
Acq: 18 May 2020 11:14

Tgt Ion: 92 Resp: 47196

Ion Ratio Lower Upper

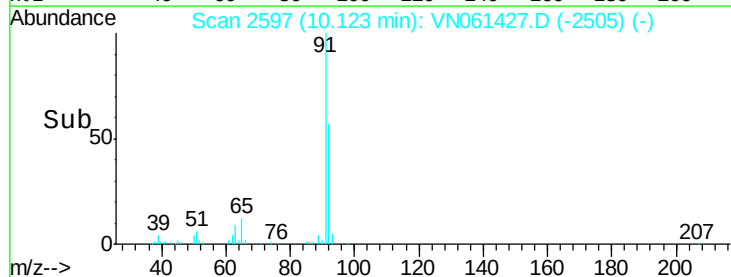
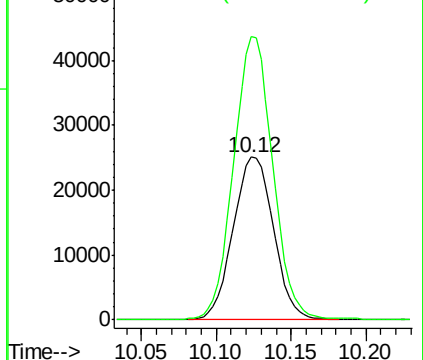
92 100

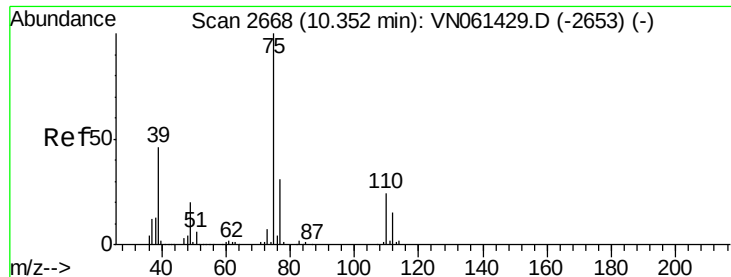
91 168.8 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





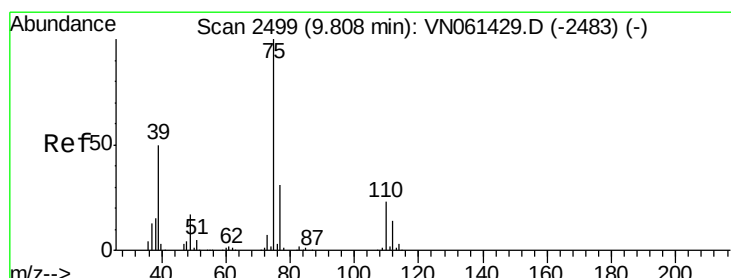
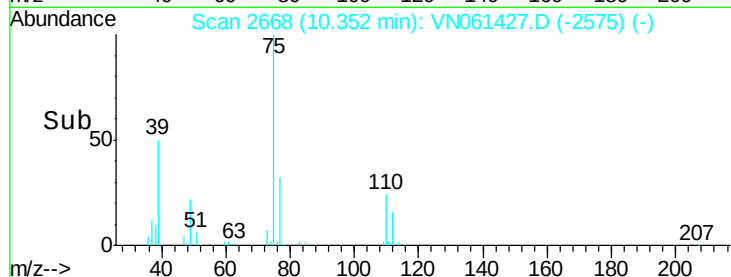
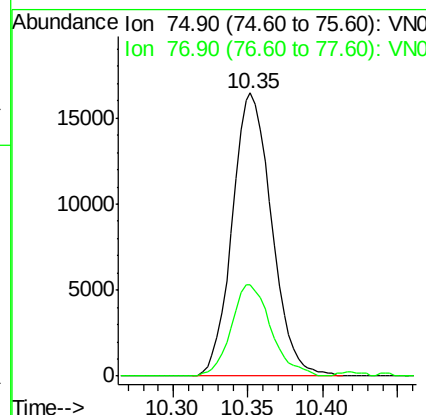
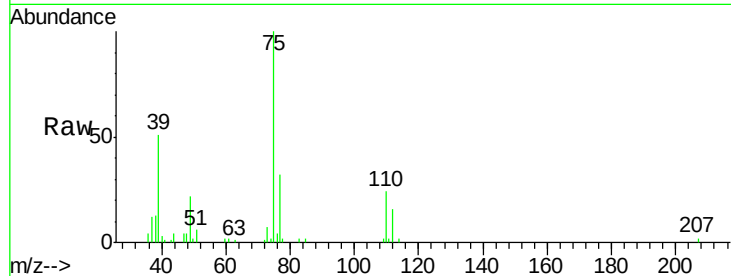
#53
t-1,3-Dichloropropene
Concen: 5.461 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2

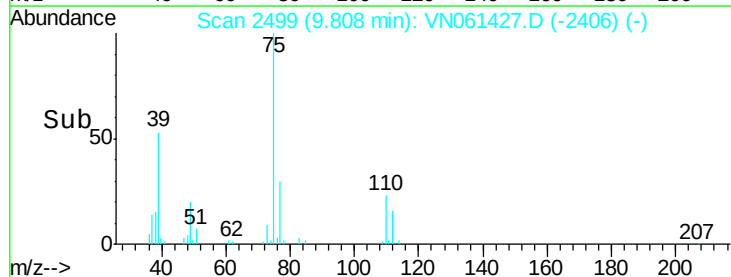
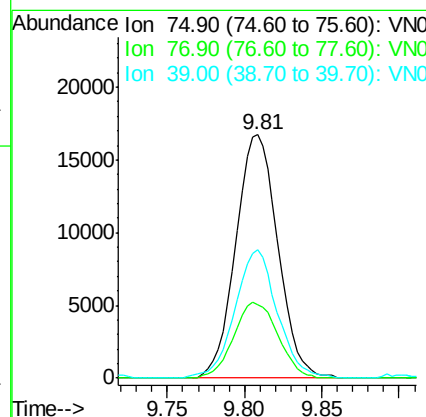
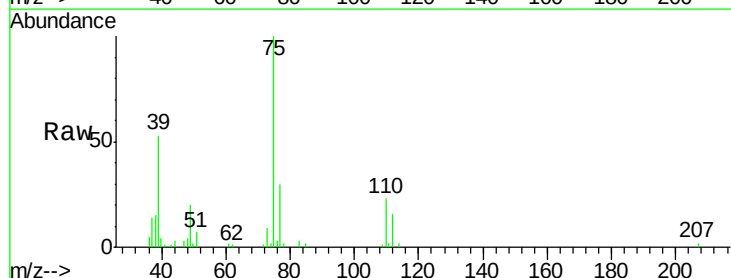
Manual Integrations
APPROVED

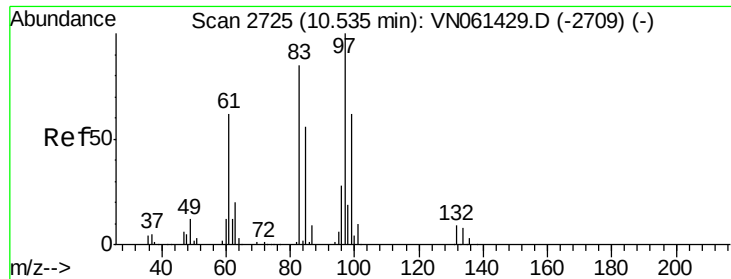
MMDadoda
5/19/2020 4:25:25 PM



#54
cis-1,3-Dichloropropene
Concen: 5.426 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.8	37.2
39	52.5	39.8	59.6





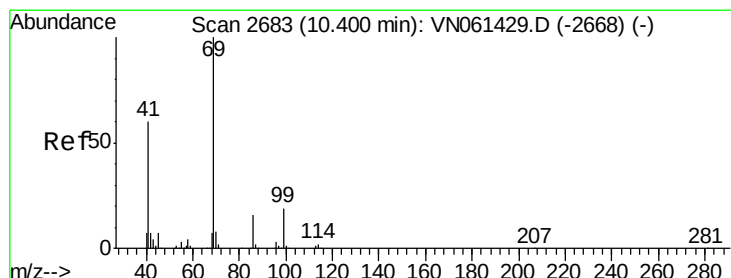
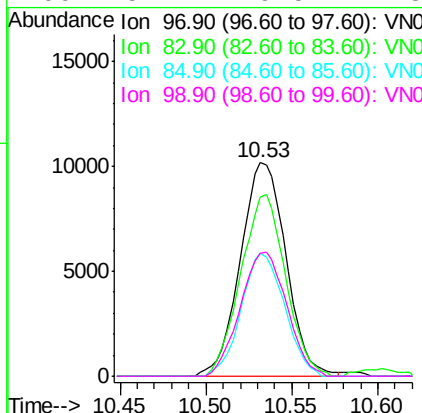
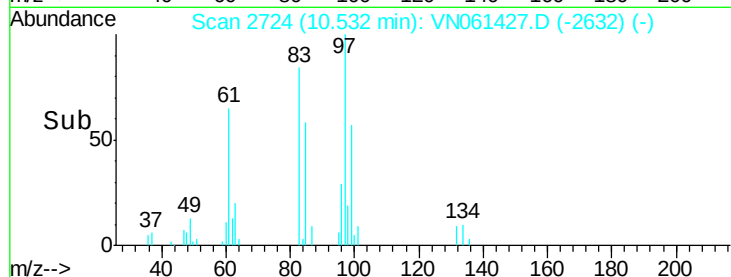
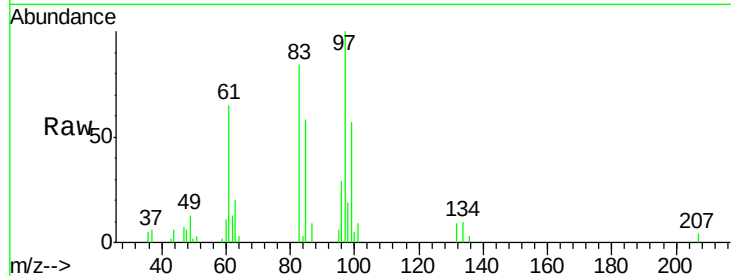
#55
 1,1,2-Trichloroethane
 Concen: 5.765 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	18699
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	57.7	44.6	67.0
99	57.4	49.5	74.3

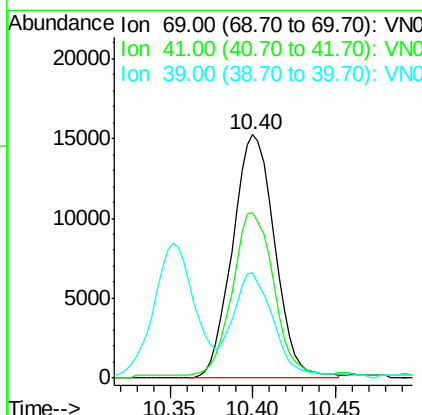
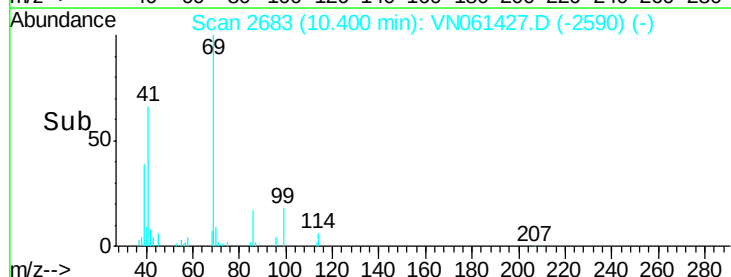
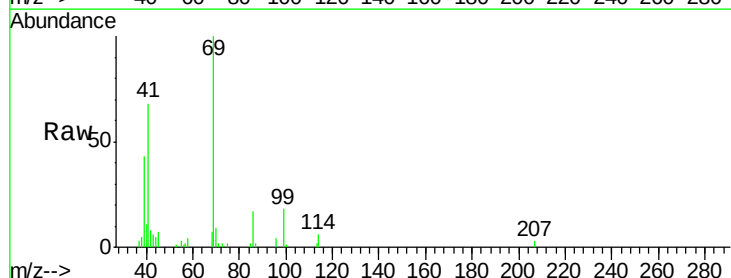
Manual Integrations
 APPROVED

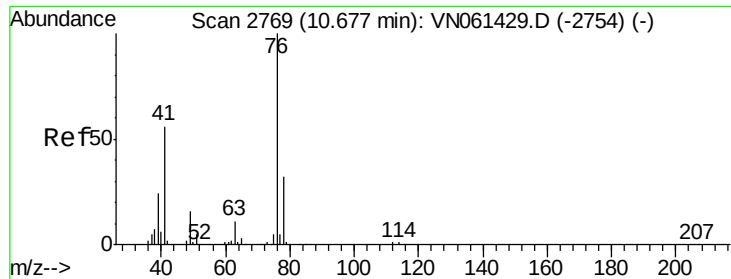
MMDadoda
 5/19/2020 4:25:25 PM



#56
 Ethyl methacrylate
 Concen: 5.106 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion:	69	Resp:	27081
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.3	72.5
39	39.6	30.2	45.2





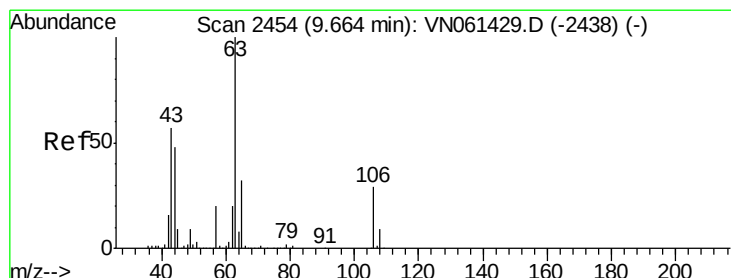
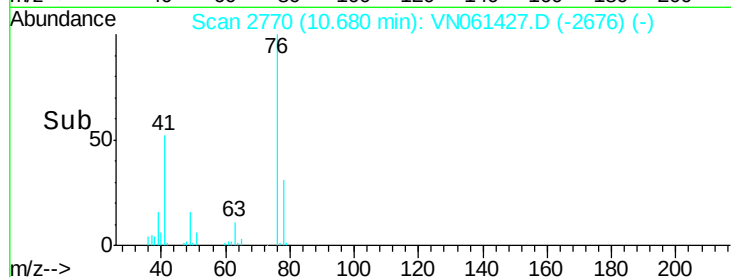
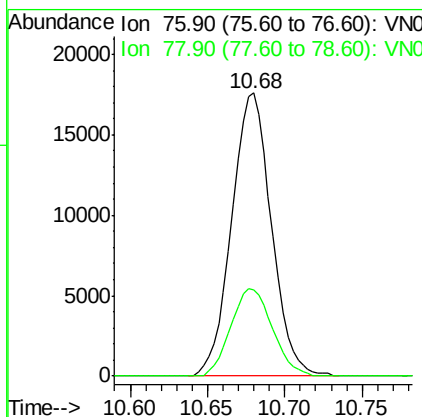
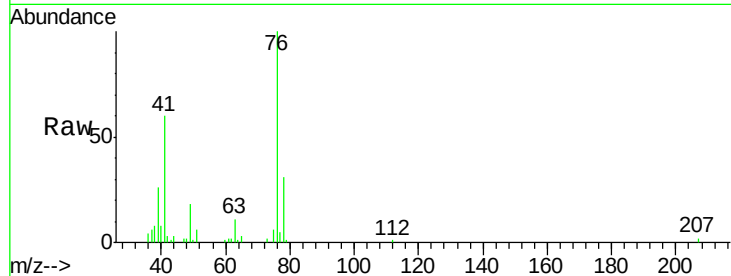
#57
 1,3-Dichloropropane
 Concen: 5.549 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

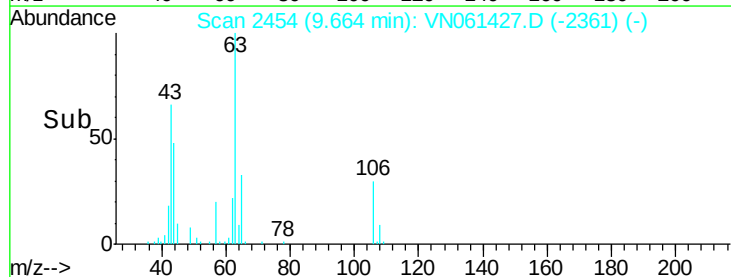
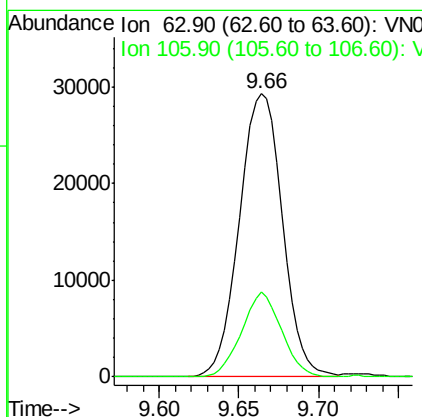
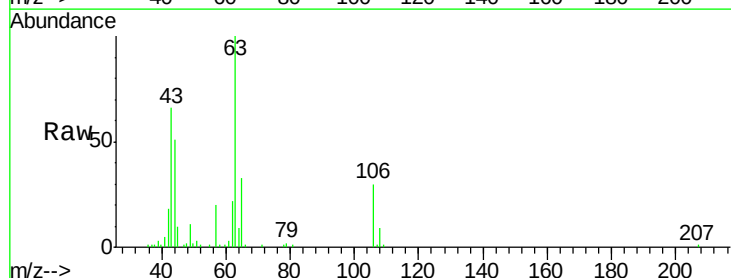
Manual Integrations
 APPROVED

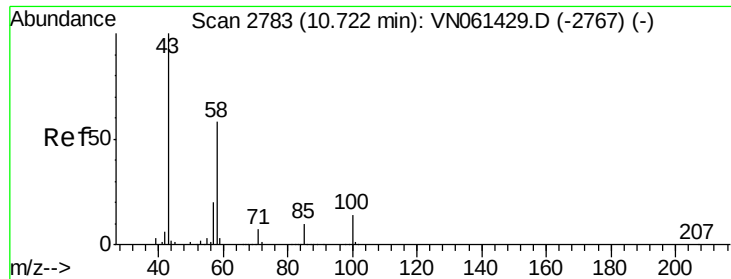
MMDadoda
 5/19/2020 4:25:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.074 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.7	34.1





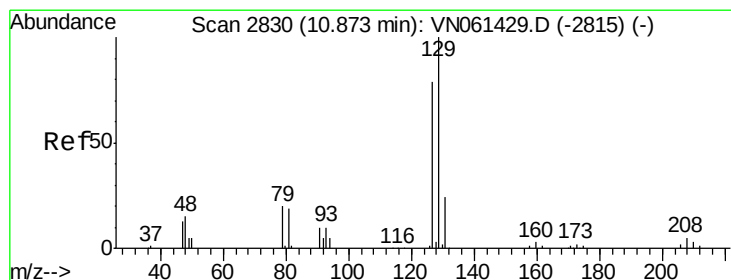
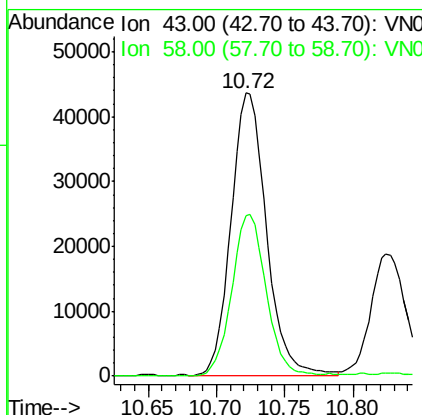
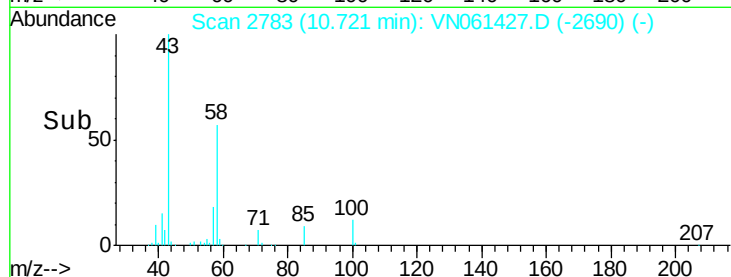
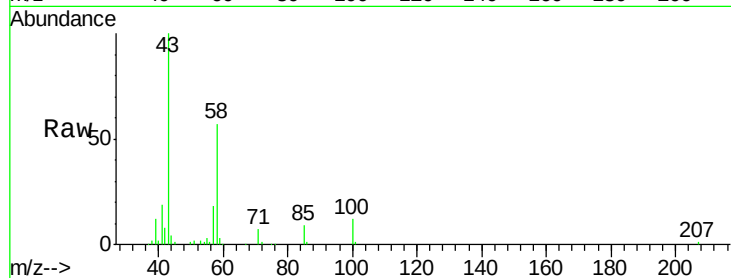
#59
2-Hexanone
Concen: 28.290 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	29.2	87.6

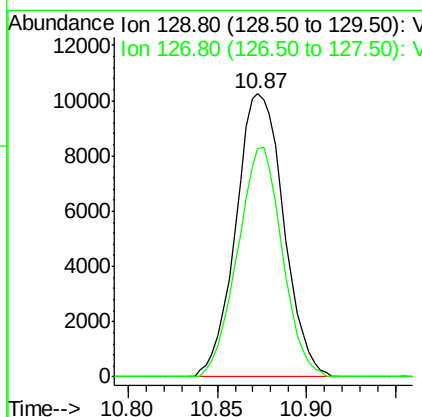
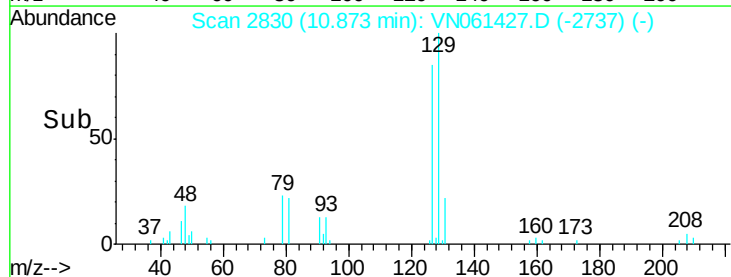
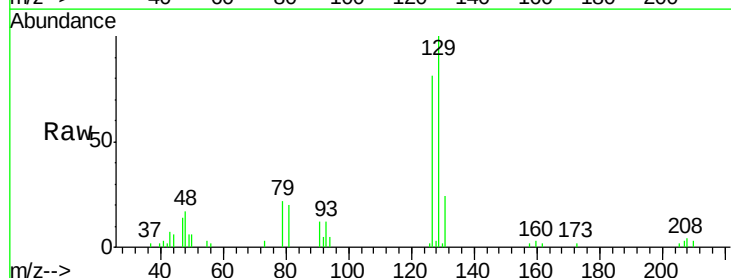
Manual Integrations
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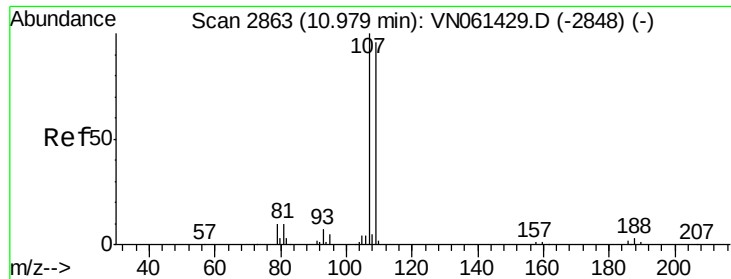
MMDadoda
5/19/2020 4:25:25 PM



#60
Dibromochloromethane
Concen: 5.309 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.8	116.3





#61

1,2-Dibromoethane

Concen: 5.407 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 18449

Ion Ratio Lower Upper

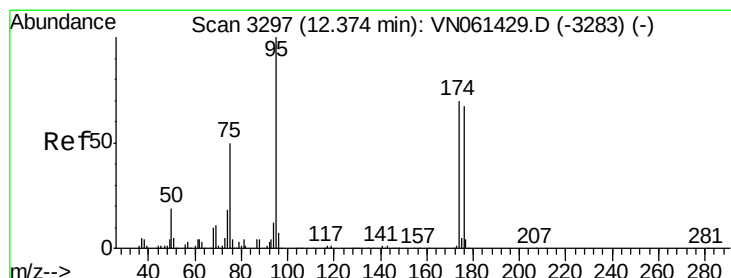
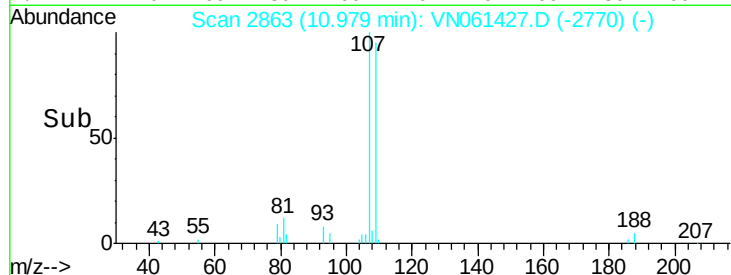
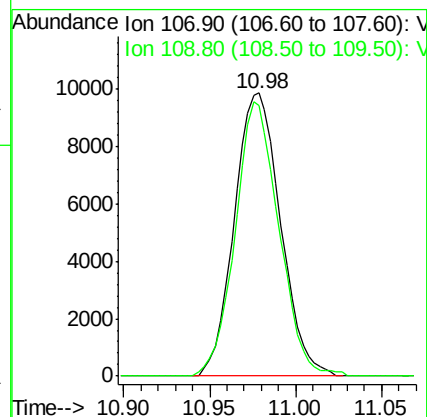
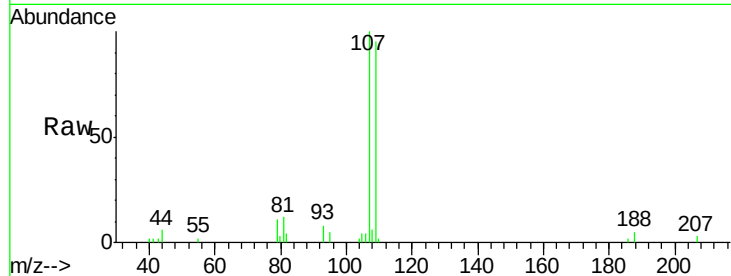
107 100

109 91.6 75.7 113.5

Manual Integrations
APPROVED

MMDadoda

5/19/2020 4:25:25 PM



#62

4-Bromofluorobenzene

Concen: 4.737 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

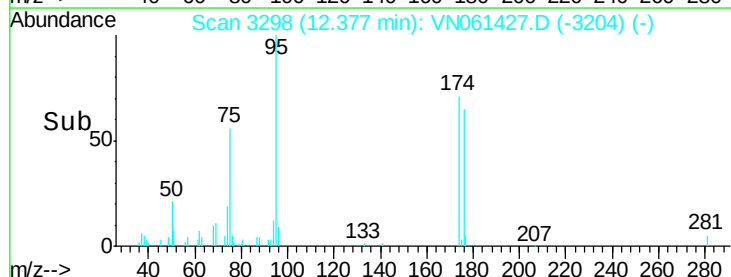
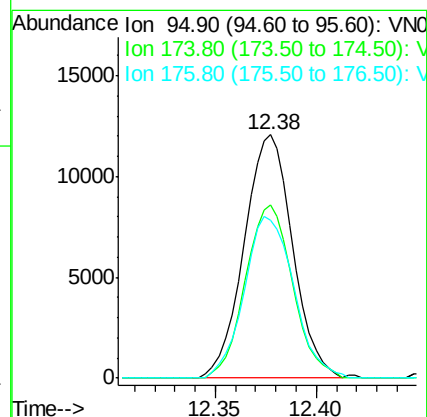
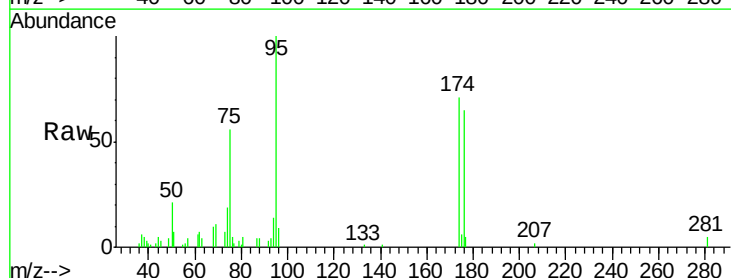
Tgt Ion: 95 Resp: 20290

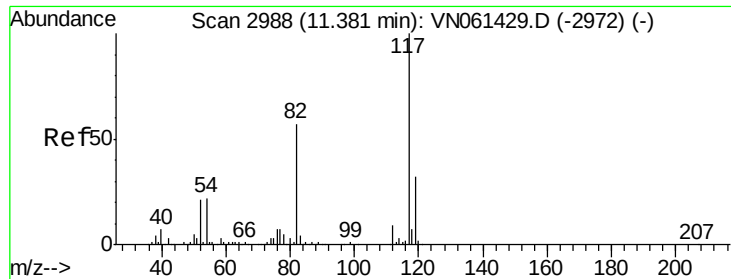
Ion Ratio Lower Upper

95 100

174 69.6 0.0 141.2

176 67.9 0.0 137.6





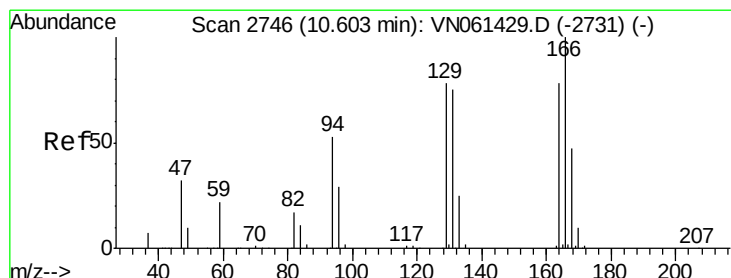
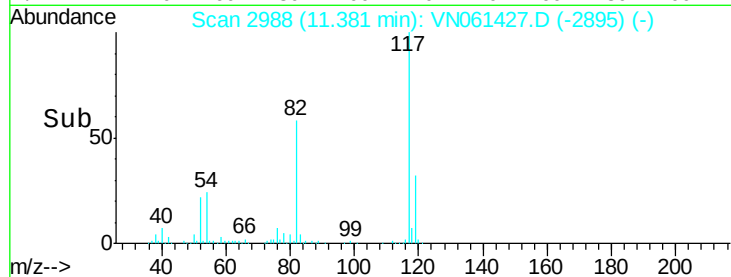
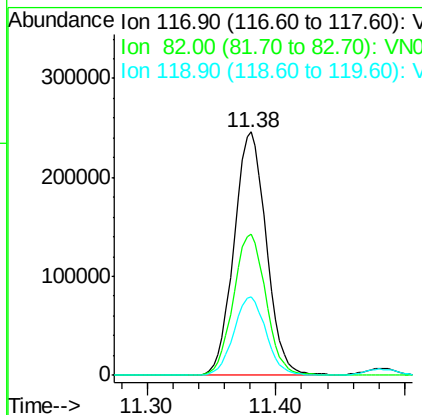
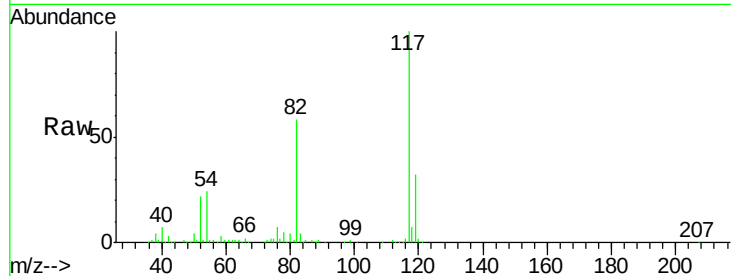
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428963		
82	57.8		45.2	67.8
119	32.2		25.3	37.9

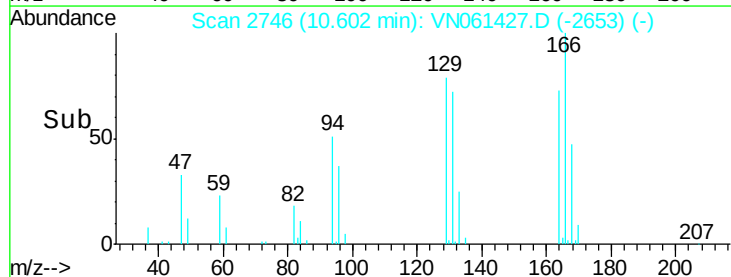
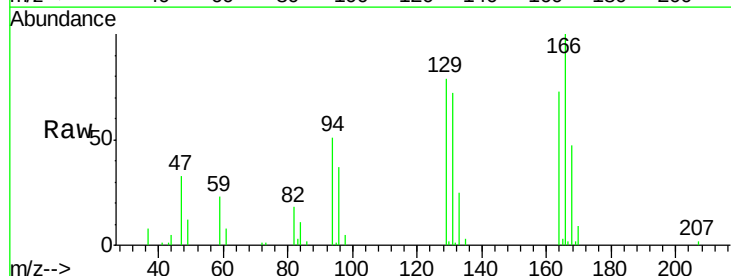
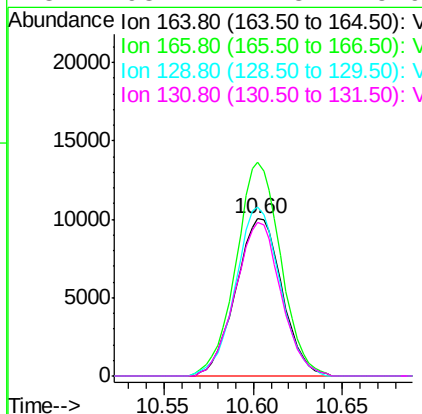
Manual Integrations
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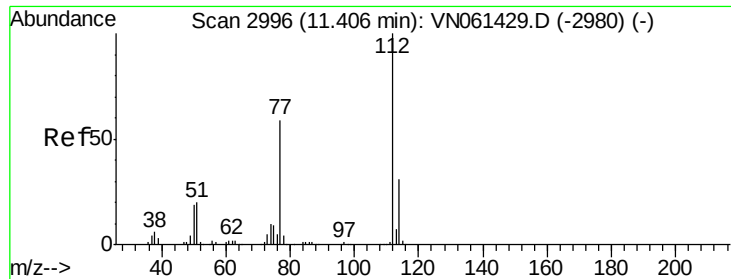
MMDadoda
5/19/2020 4:25:25 PM



#64
Tetrachloroethene
Concen: 5.407 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18160		
166	136.2		103.2	154.8
129	107.8		81.0	121.4
131	98.2		77.3	115.9





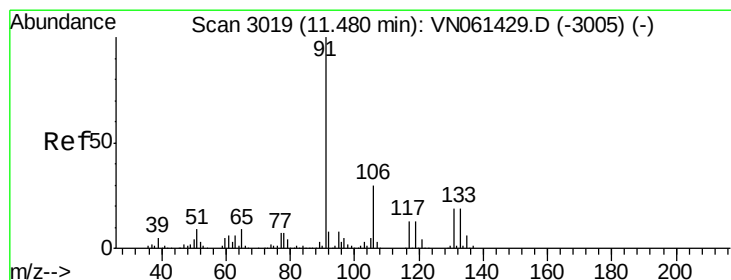
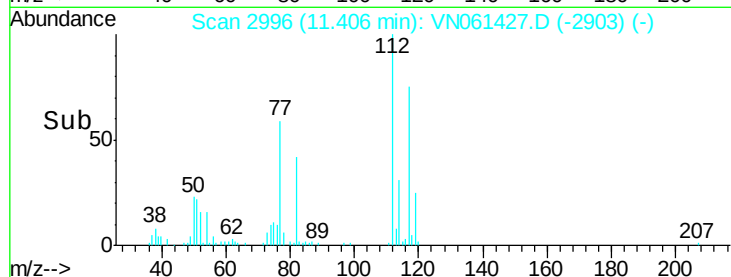
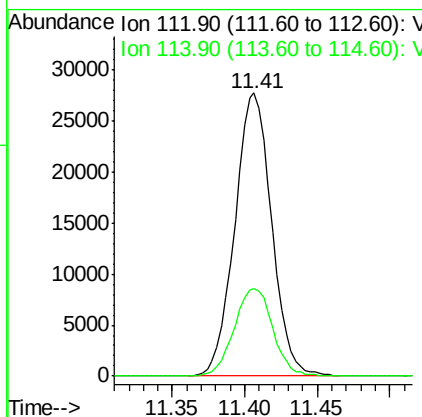
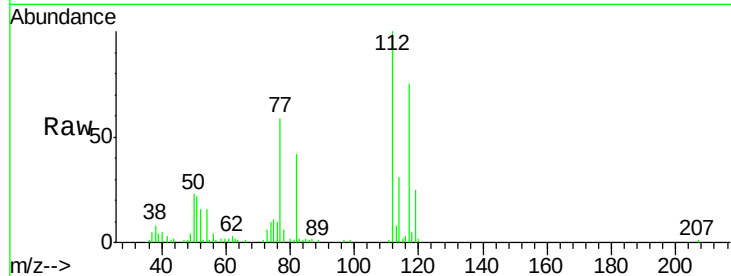
#65
Chlorobenzene
Concen: 5.499 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

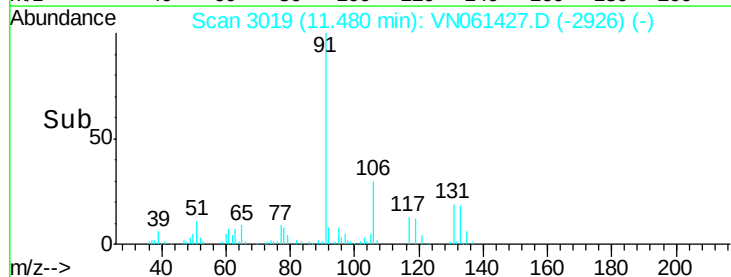
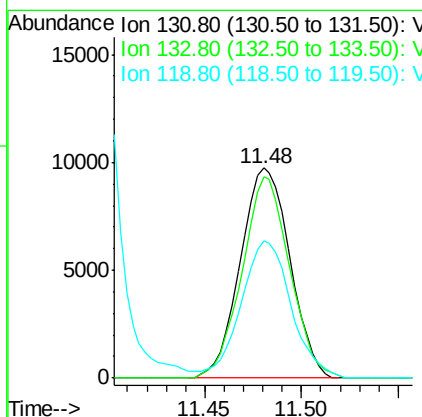
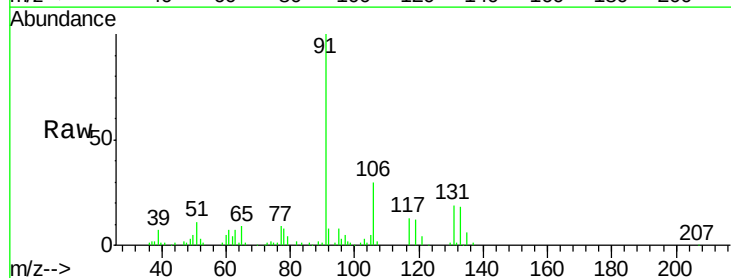
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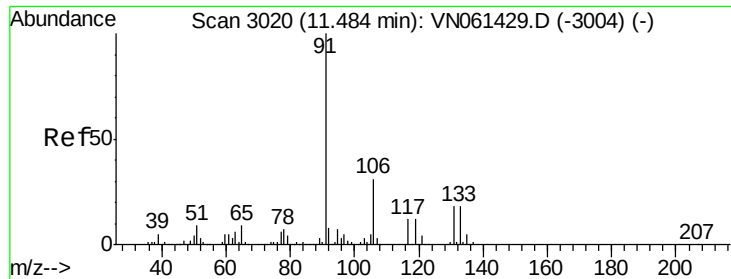
MMDadoda
5/19/2020 4:25:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.518 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.2	48.7	146.1
119	66.3	33.8	101.3





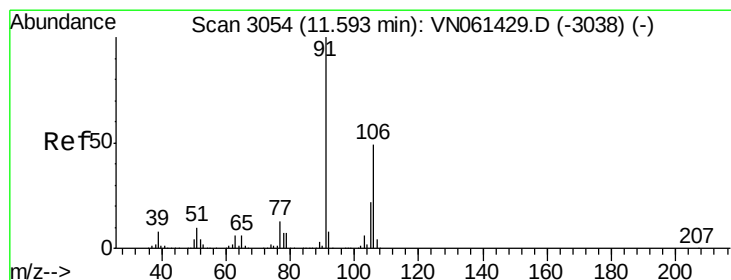
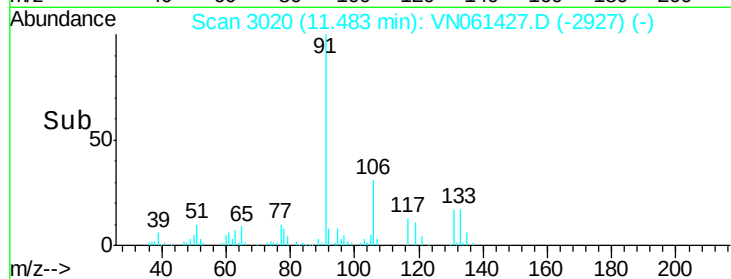
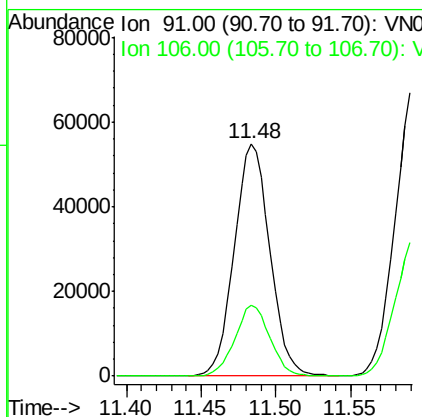
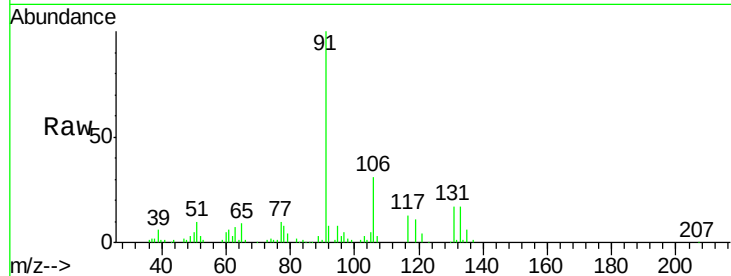
#67
Ethyl Benzene
Concen: 5.513 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	90928
Ion Ratio	100	Lower	Upper
106	30.6	24.6	36.8

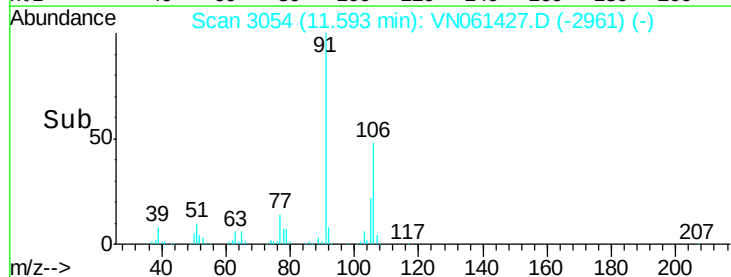
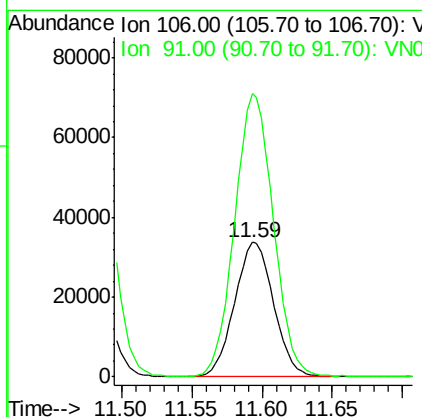
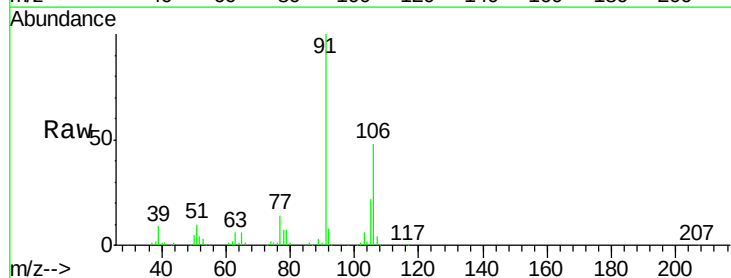
Manual Integrations
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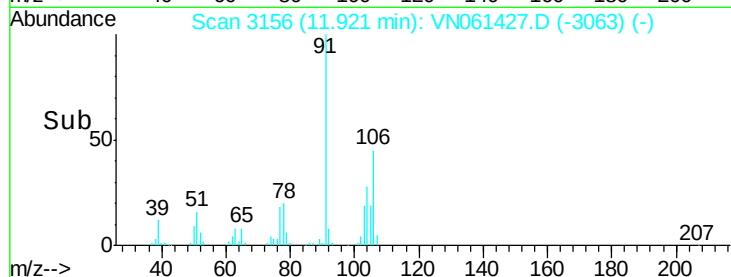
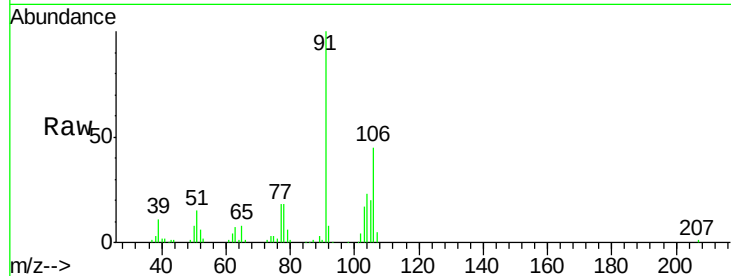
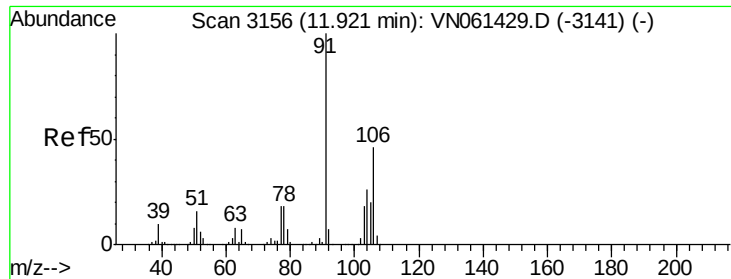
MMDadoda
5/19/2020 4:25:25 PM



#68
m/p-Xylenes
Concen: 10.544 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	106	Resp	65327
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	209.3	163.0	244.6





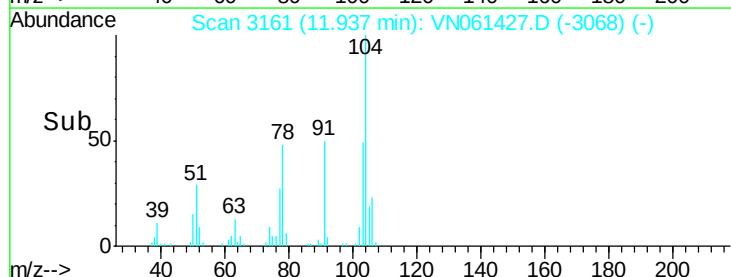
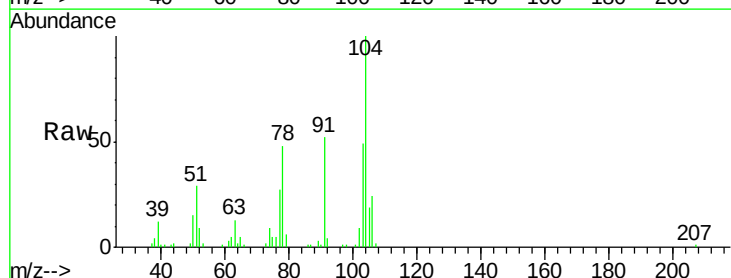
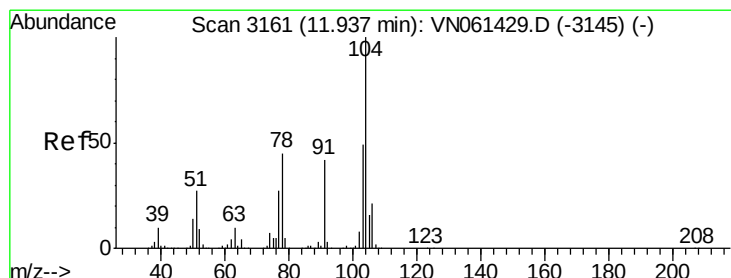
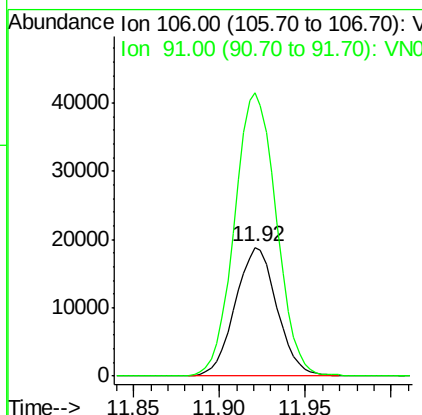
#69
o-Xylene
Concen: 5.290 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tot Ion:106 Resp: 31791
Ion Ratio Lower Upper
106 100
91 221.2 107.9 323.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

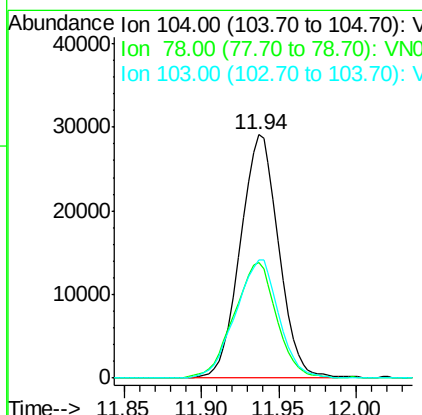
Manual Integrations
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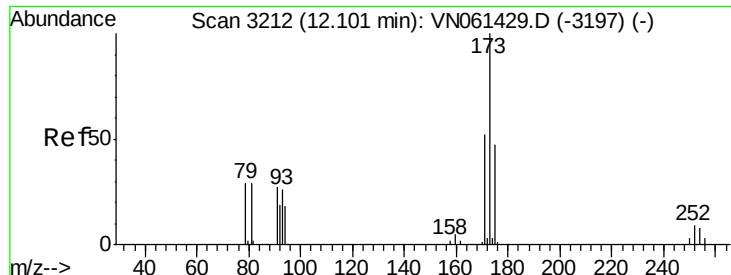
MMDadoda
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#70
Styrene
Concen: 4.990 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion:104 Resp: 50352
Ion Ratio Lower Upper
104 100
78 52.8 40.7 61.1
103 54.6 43.0 64.4





#71

Bromoform

Concen: 5.172 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 11448

Ion Ratio Lower Upper

173 100

175 48.6 23.9 71.8

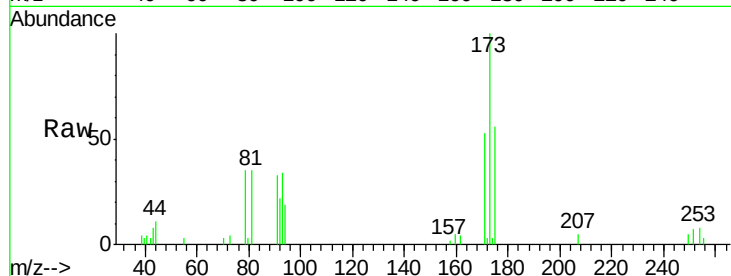
254 0.0 0.0 0.0

Manual Integrations

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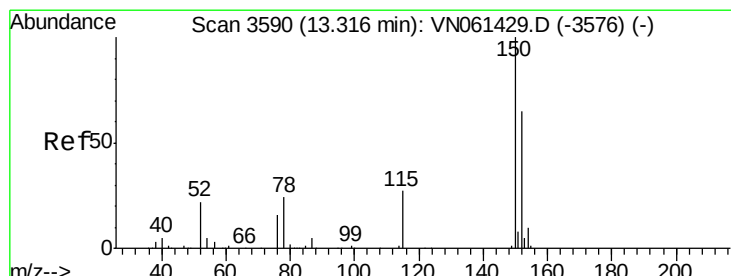
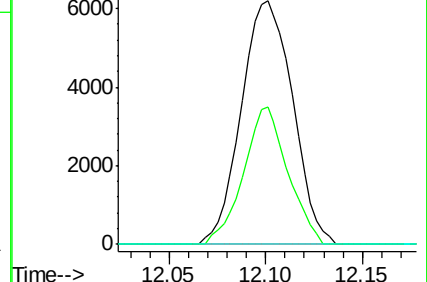
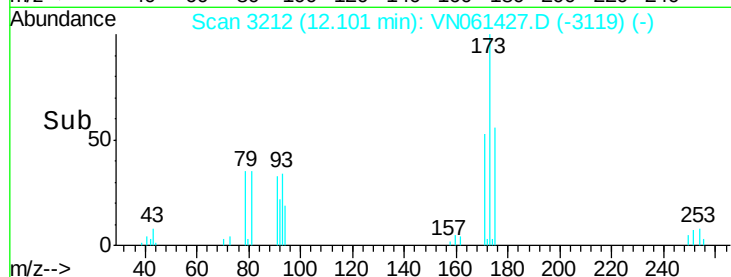
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

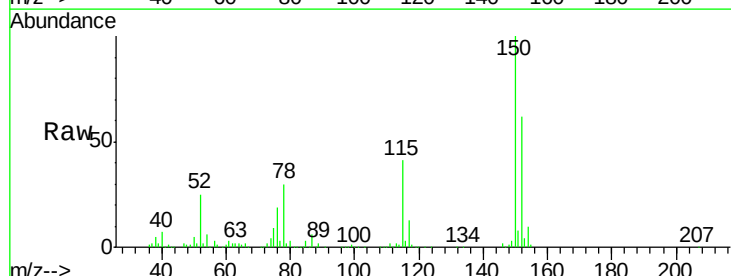
Tgt Ion:152 Resp: 178176

Ion Ratio Lower Upper

152 100

115 63.3 30.9 92.5

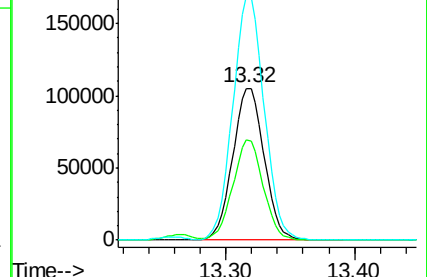
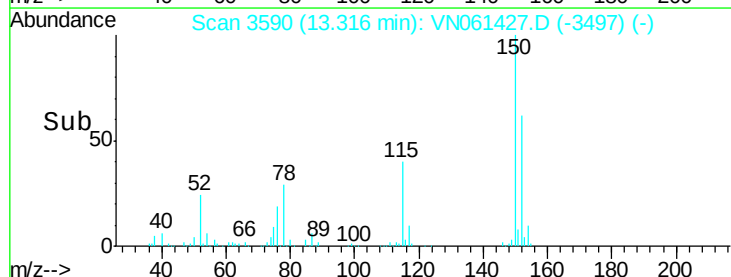
150 159.4 0.0 349.2

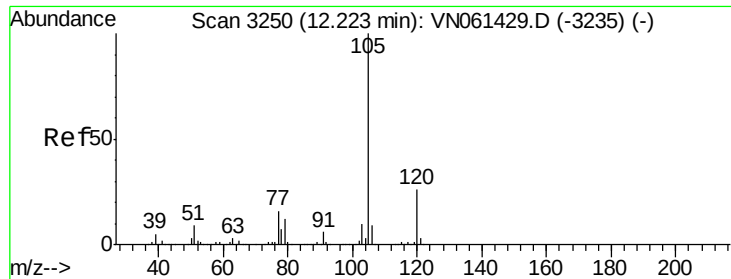


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





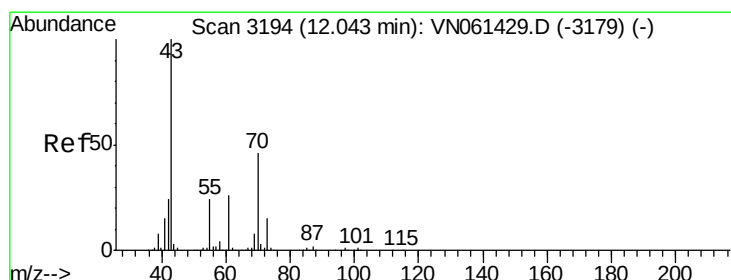
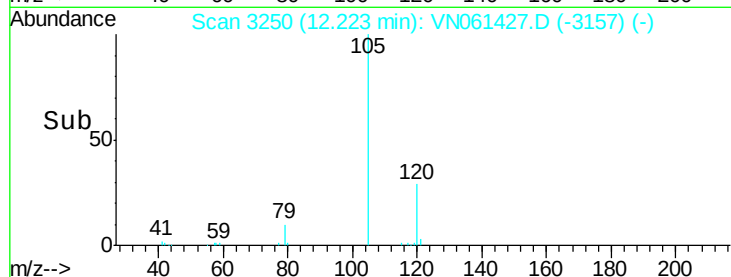
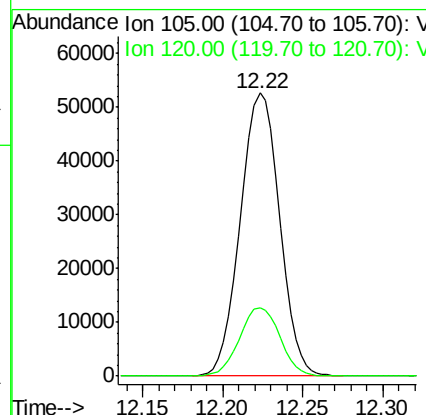
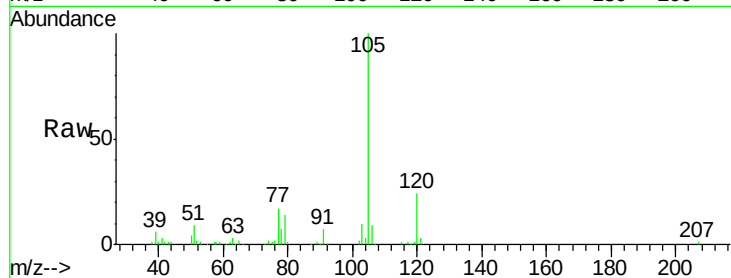
#73
Isopropylbenzene
Concen: 6.070 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.8	13.0	39.0

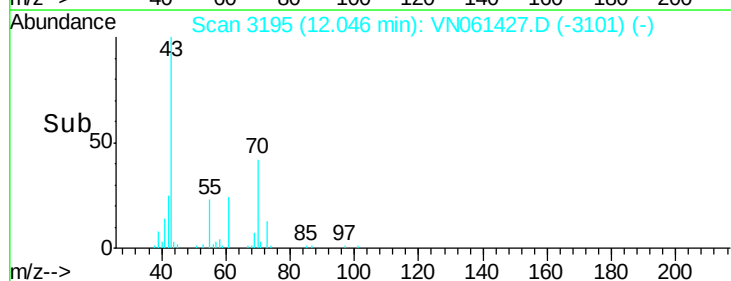
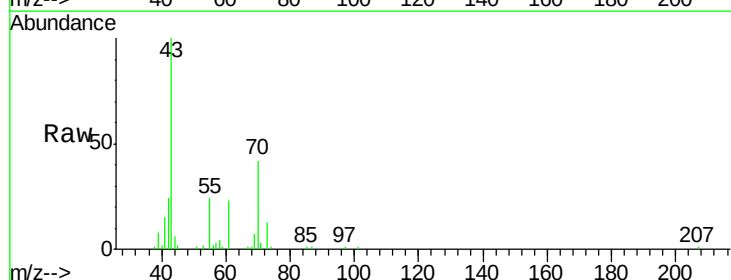
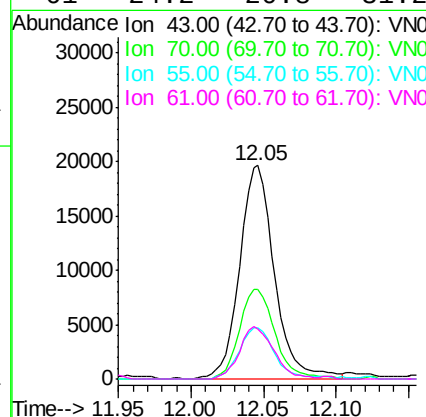
Manual Integrations
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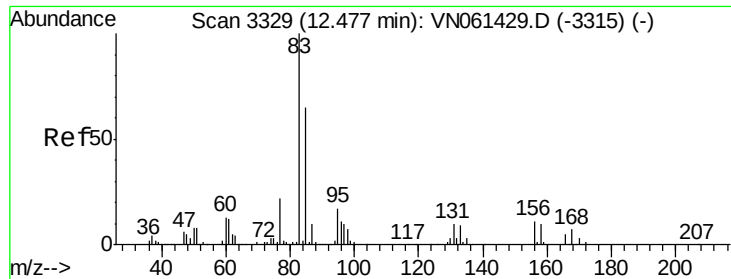
MMDadoda
5/19/2020 4:25:25 PM



#74
N-ethyl acetate
Concen: 5.800 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061427.D
Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	37.0	55.4
55	23.8	19.5	29.3
61	24.2	20.8	31.2





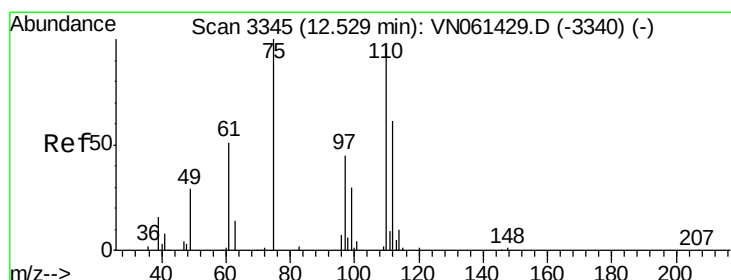
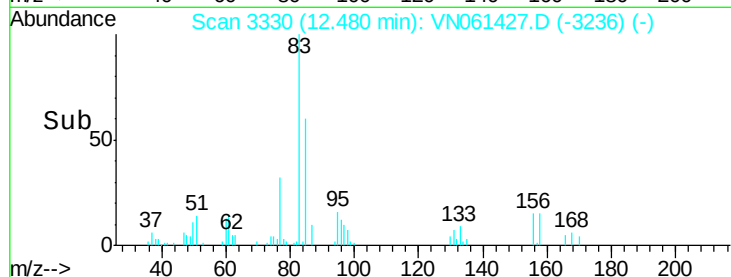
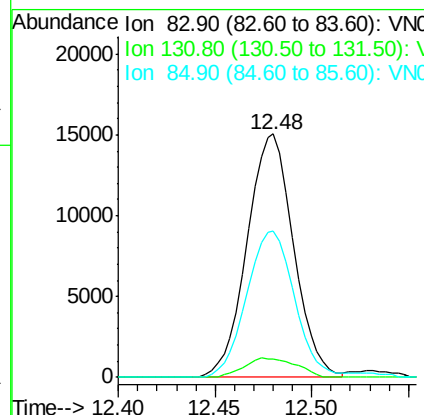
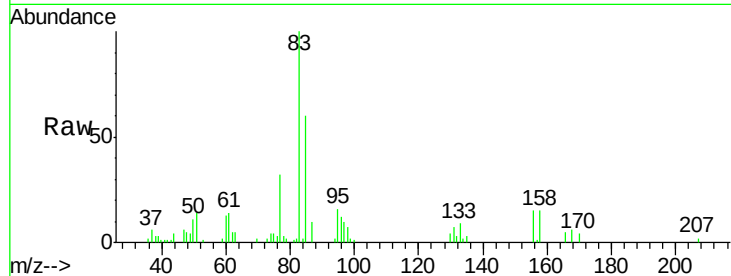
#75
 1,1,2,2-Tetrachloroethane
 Concen: 6.093 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	25188		
131	8.8	4.8	14.4	
85	61.6	32.1	96.5	

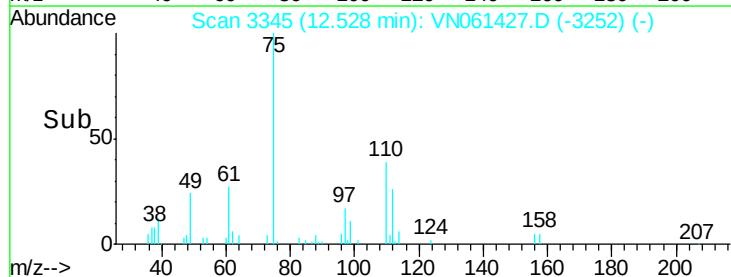
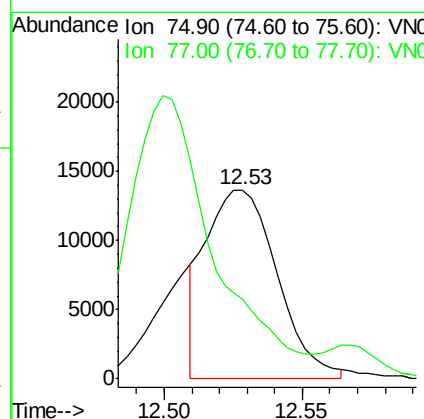
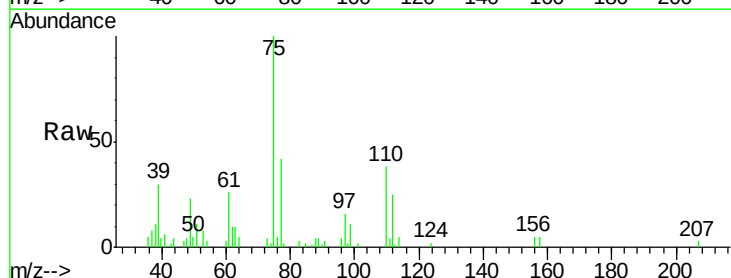
Manual Integrations
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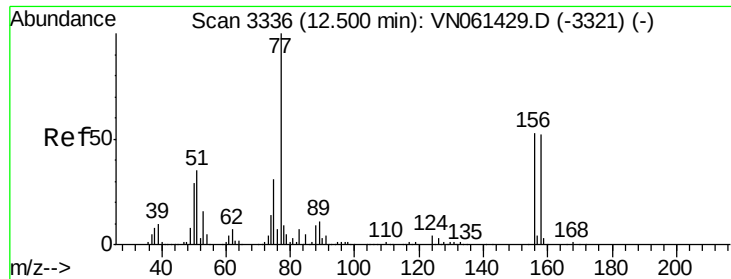
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 6.630 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24671		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 5.603 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 17785

Ion Ratio Lower Upper

156 100

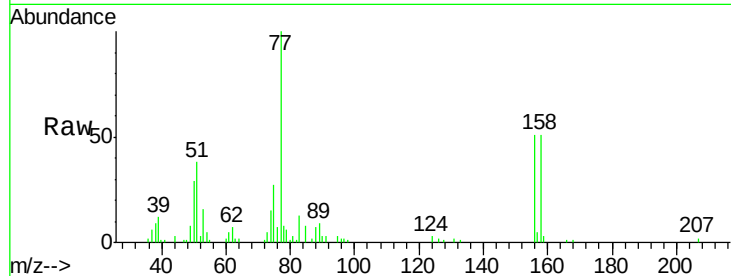
77 247.4 112.3 336.9

158 98.2 47.9 143.6

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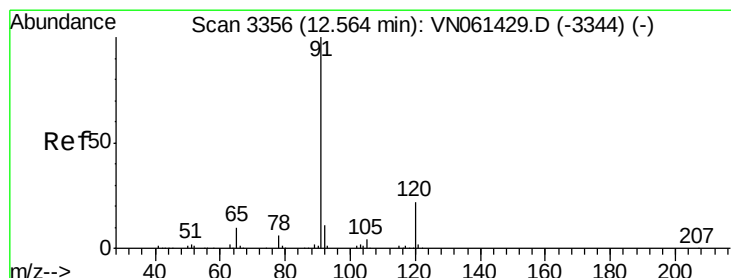
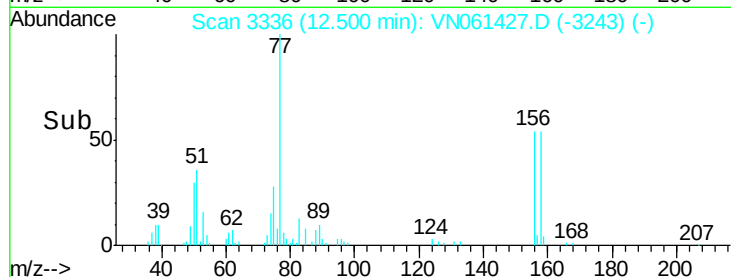
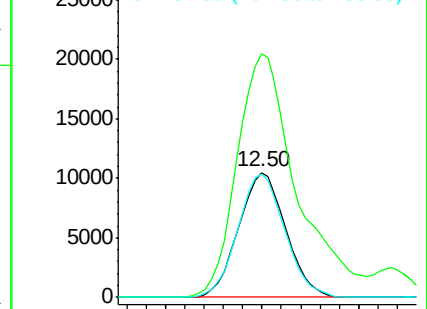
5/19/2020 4:25:25 PM



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: 5.799 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061427.D

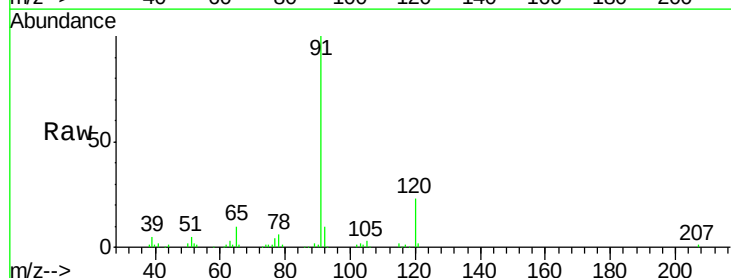
Acq: 18 May 2020 11:14

Tgt Ion: 91 Resp: 98028

Ion Ratio Lower Upper

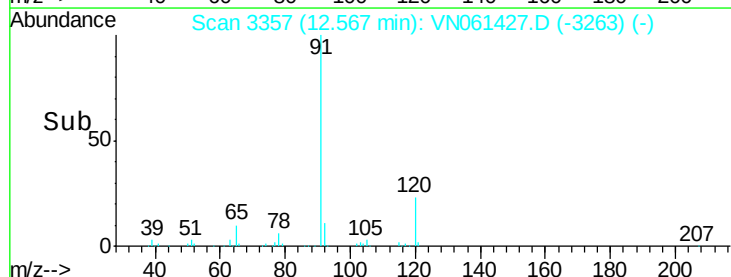
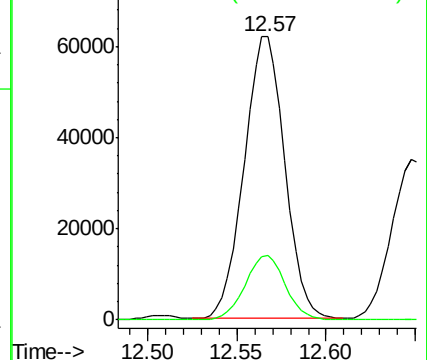
91 100

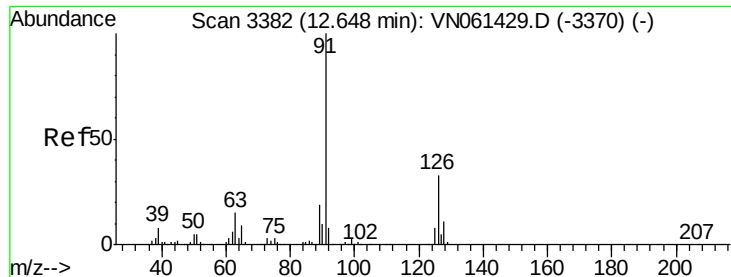
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.877 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 58248

Ion Ratio Lower Upper

91 100

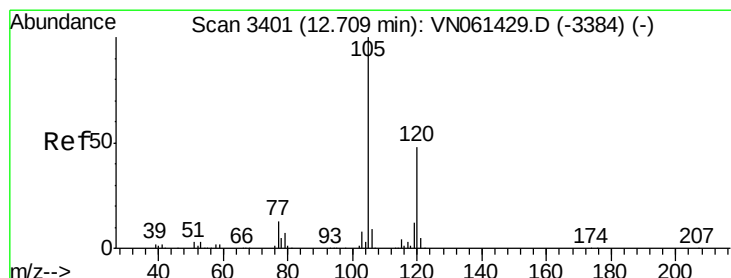
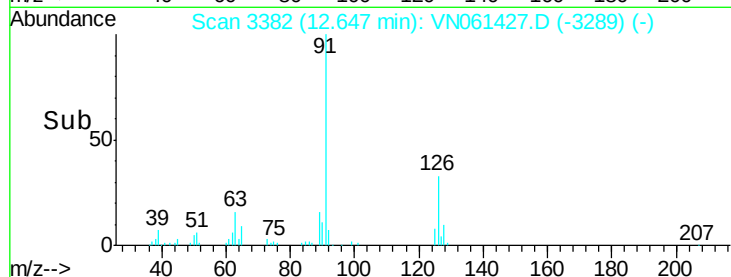
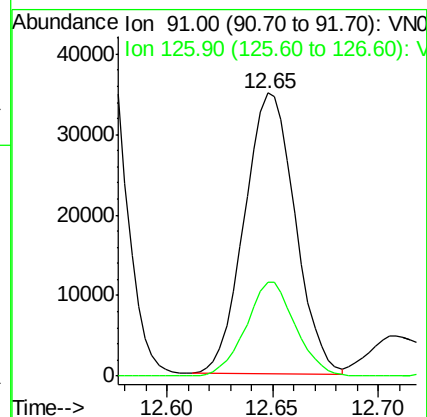
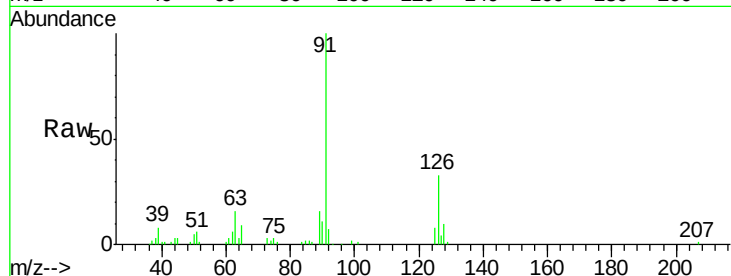
126 32.7 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.721 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061427.D

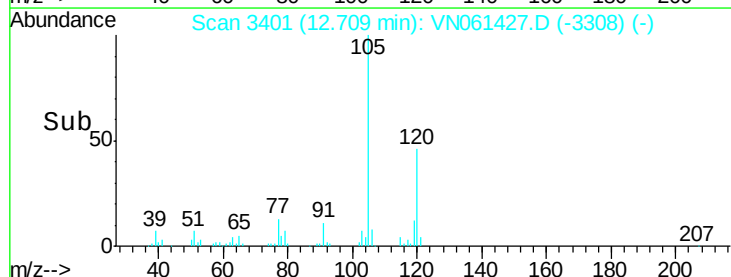
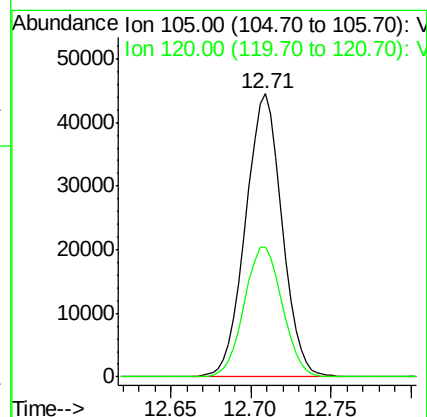
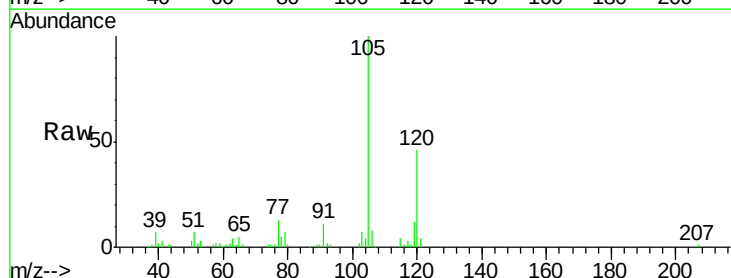
Acq: 18 May 2020 11:14

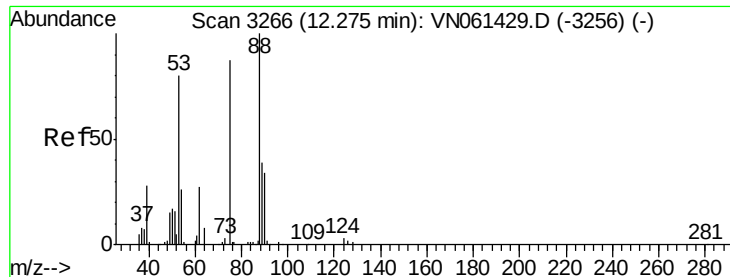
Tgt Ion: 105 Resp: 69429

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 5.825 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

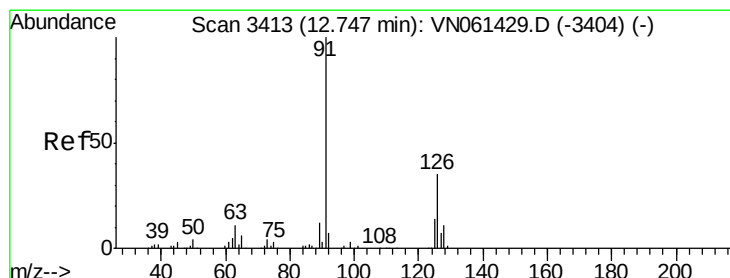
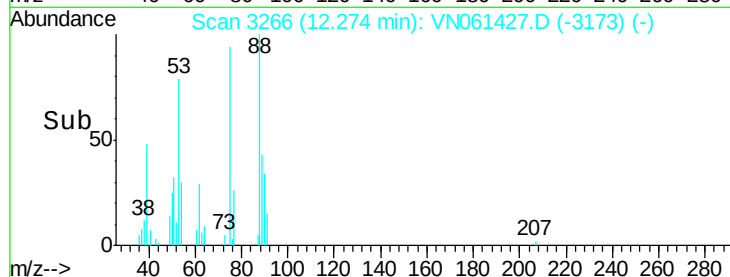
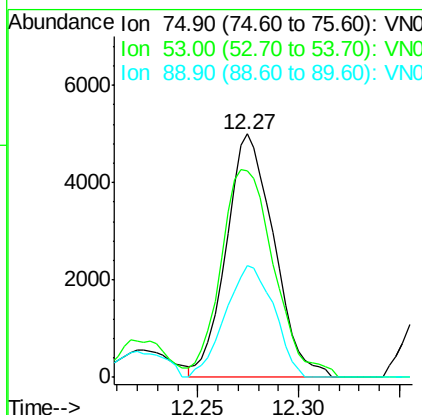
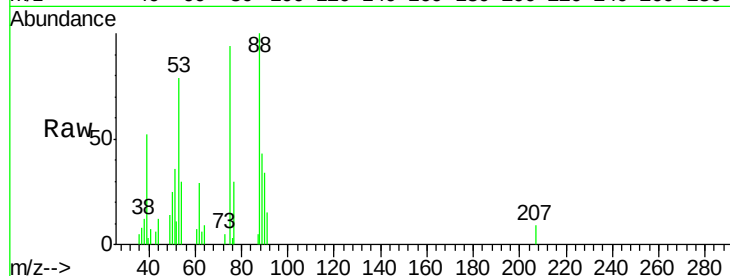
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	8289
Ion	Ratio	Lower	Upper
75	100		
53	94.7	75.2	112.8
89	46.6	38.2	57.4

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#82

4-Chlorotoluene

Concen: 5.502 ug/l

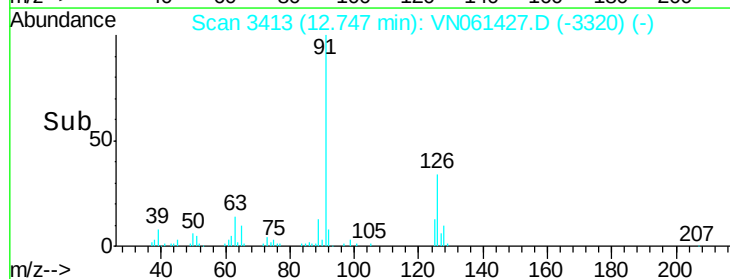
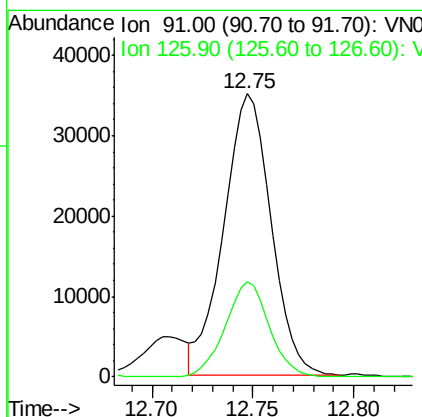
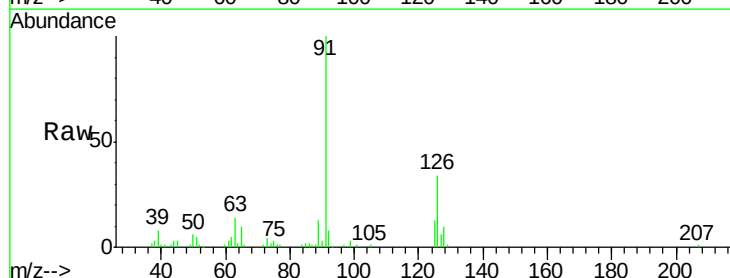
RT: 12.75 min Scan# 3413

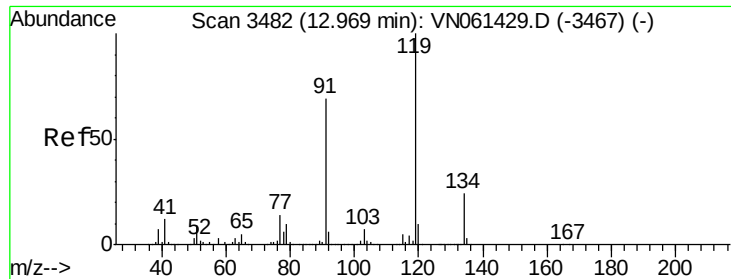
Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	91	Resp:	57298
Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.1	48.2





#83

tert-Butylbenzene

Concen: 5.816 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

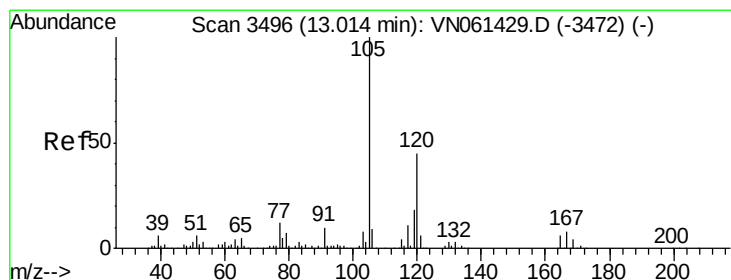
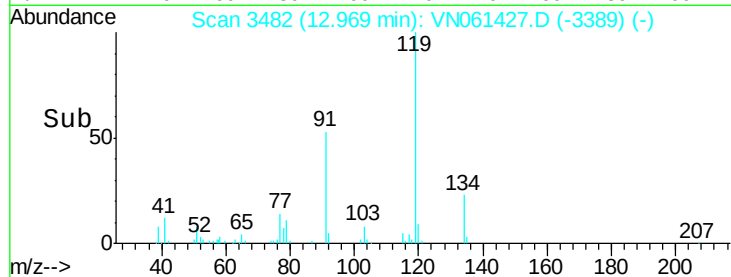
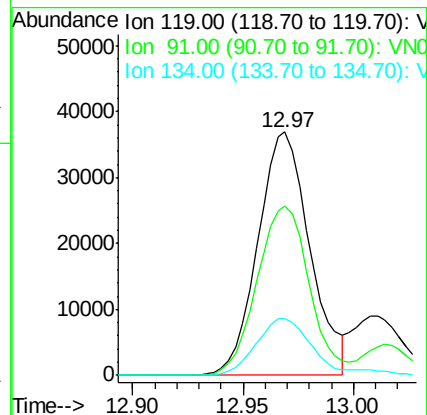
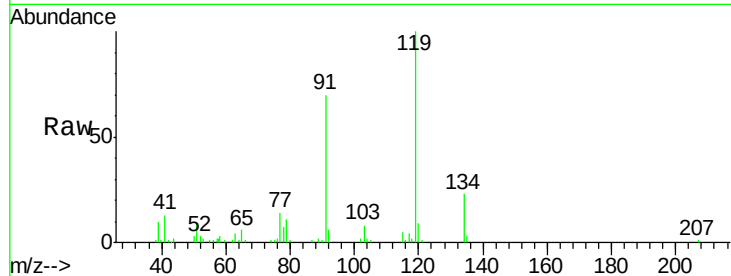
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	60219
Ion	Ratio	Lower	Upper
119	100		
91	70.0	33.7	101.0
134	25.7	12.8	38.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.554 ug/l

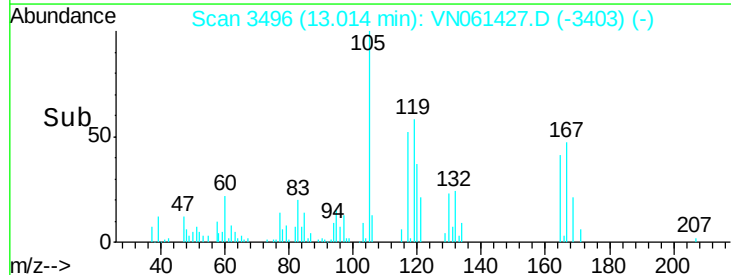
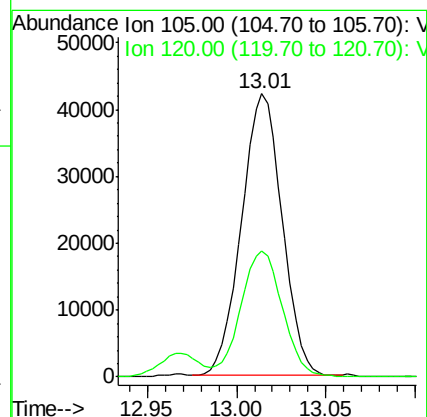
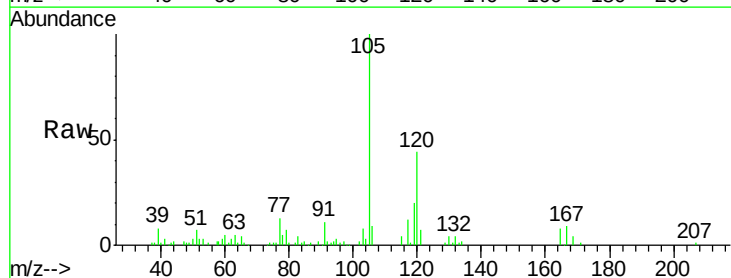
RT: 13.01 min Scan# 3496

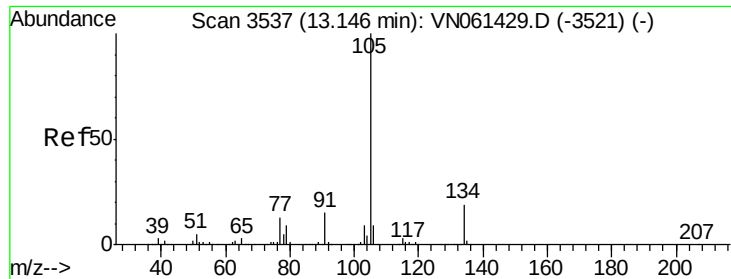
Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	105	Resp:	67260
Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 5.844 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 81667

Ion Ratio Lower Upper

105 100

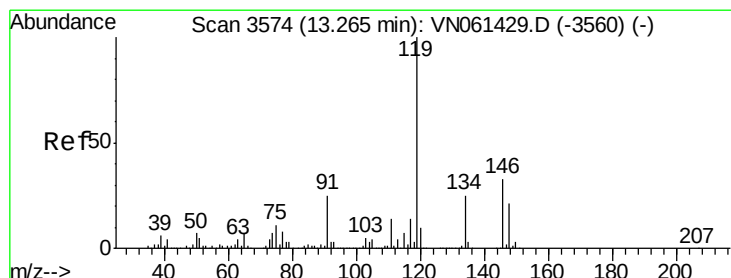
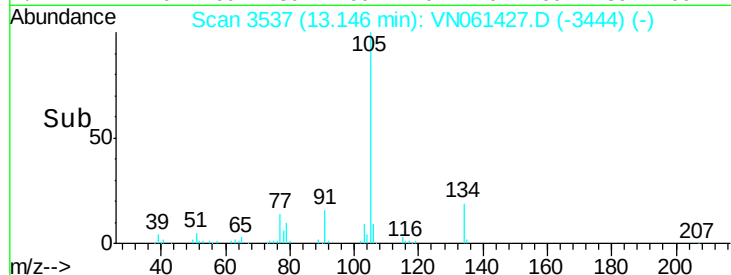
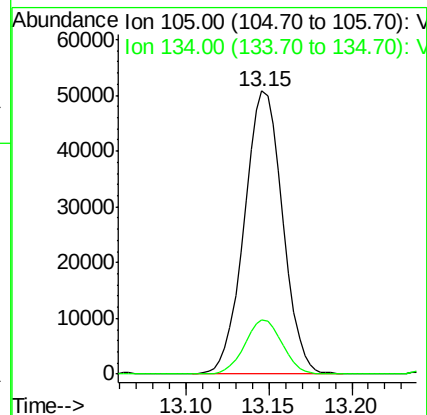
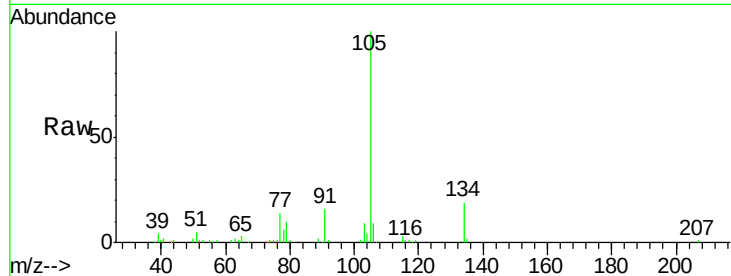
134 18.7 9.8 29.5

Manual Integrations

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5/19/2020 4:25:25 PM



#86

p-Isopropyltoluene

Concen: 5.776 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

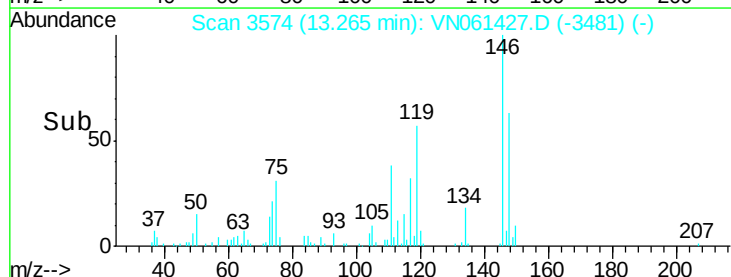
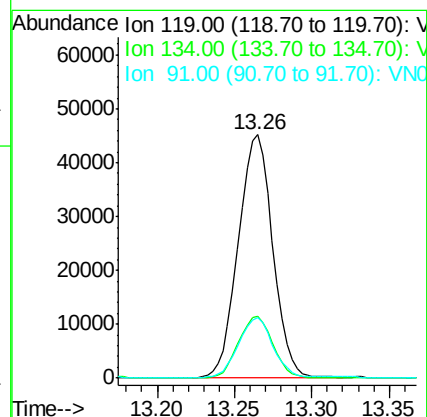
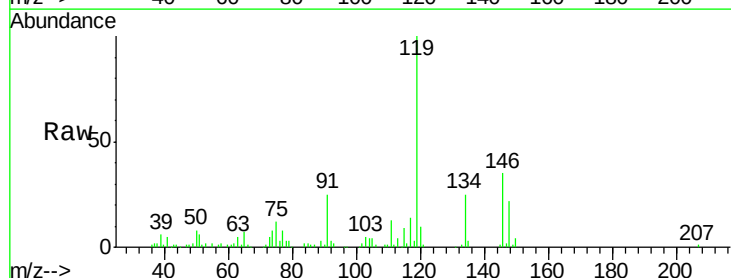
Tgt Ion:119 Resp: 70076

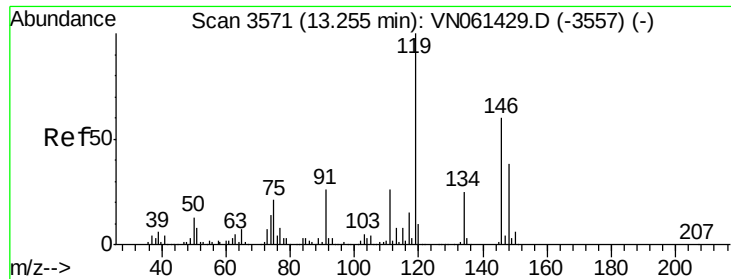
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 25.0 12.6 37.6





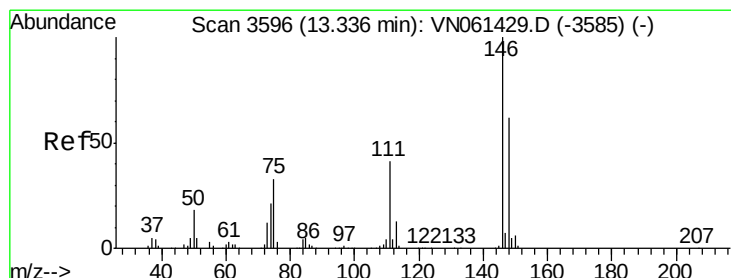
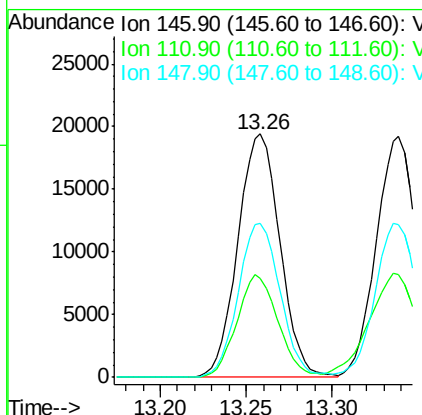
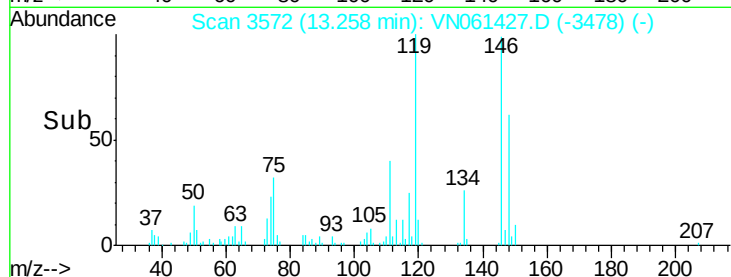
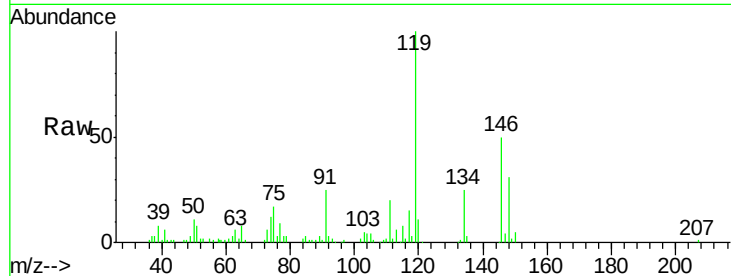
#87
 1,3-Dichlorobenzene
 Concen: 5.732 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.5	64.5
148	63.1	31.8	95.3

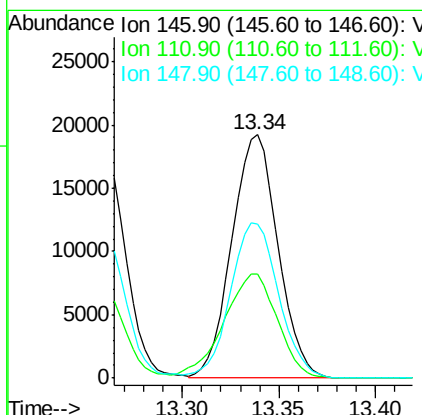
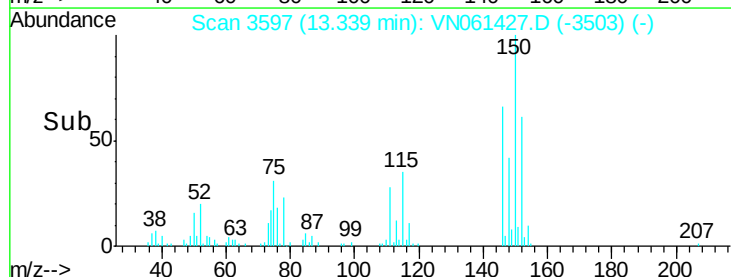
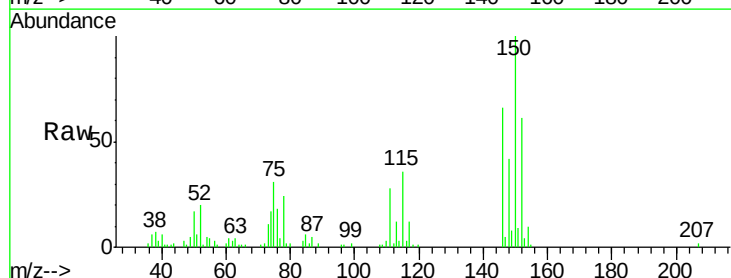
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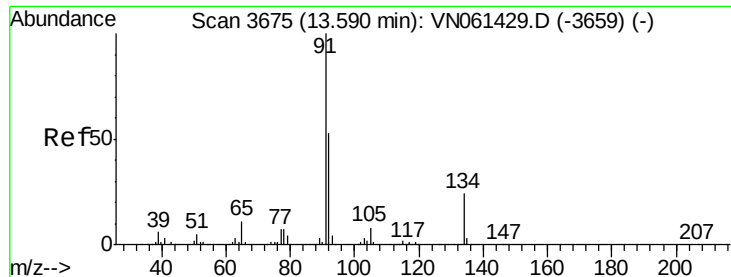
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#88
 1,4-Dichlorobenzene
 Concen: 5.402 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.8	62.5
148	66.6	31.6	94.8





#89

n-Butylbenzene

Concen: 5.550 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

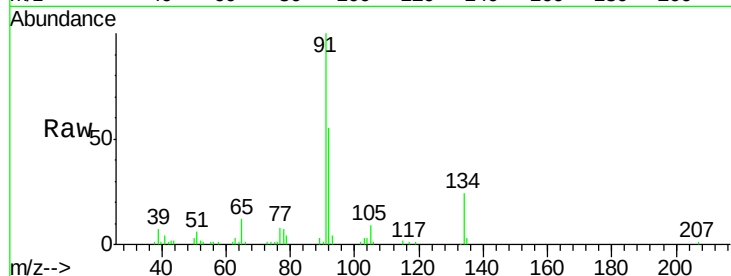
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	61094
Ion Ratio	Lower	Upper	
91	100		
92	54.2	26.8	80.3
134	23.8	12.4	37.4

Manual Integrations
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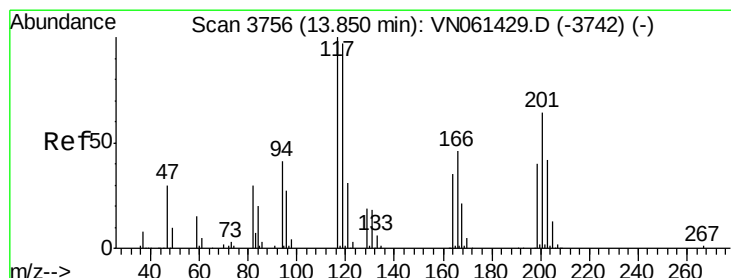
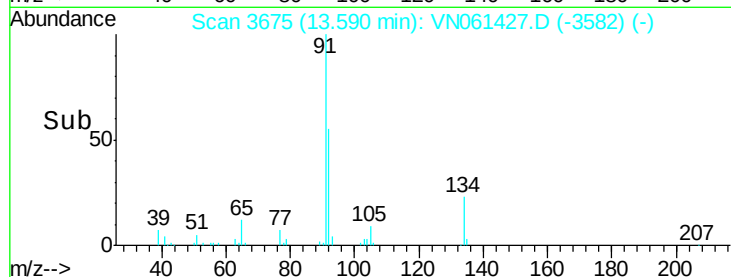
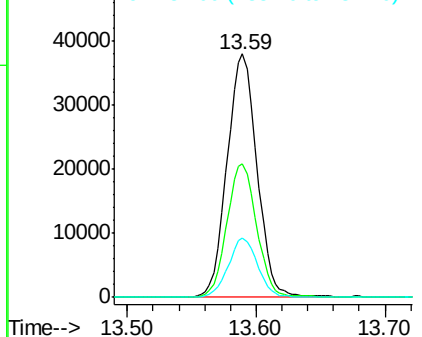


Abundance

Ion 91.00 (90.70 to 91.70): VN061427.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061427.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061427.D (-3659) (-)



#90

Hexachloroethane

Concen: 5.388 ug/l

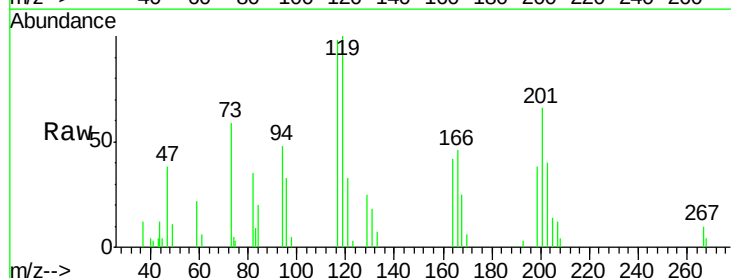
RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

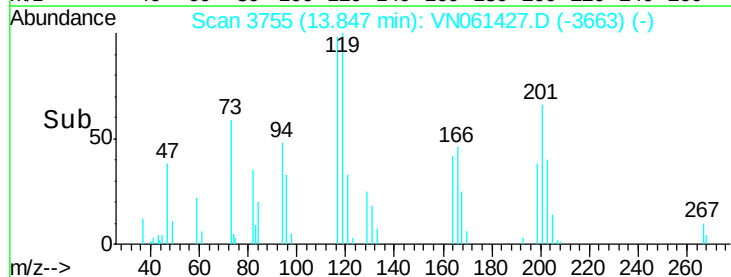
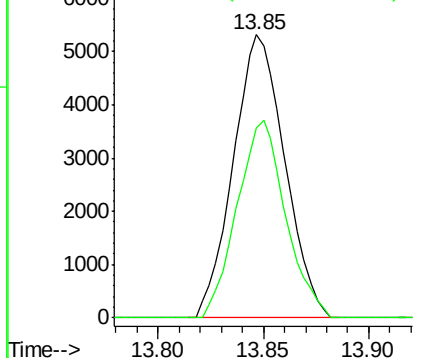
Tgt Ion:	117	Resp:	9006
Ion Ratio	Lower	Upper	
117	100		
201	65.7	32.9	98.7

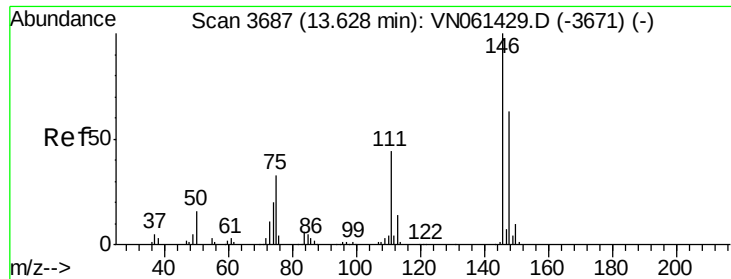


Abundance

Ion 116.80 (116.50 to 117.50): VN061427.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061427.D (-3663) (-)





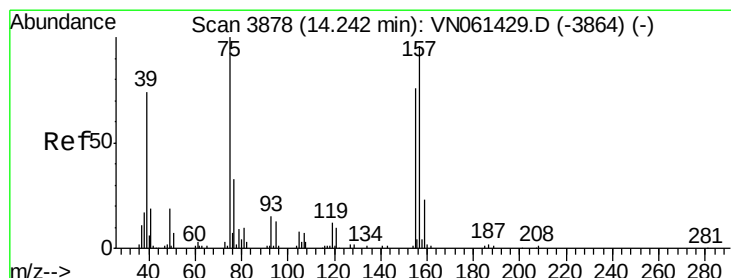
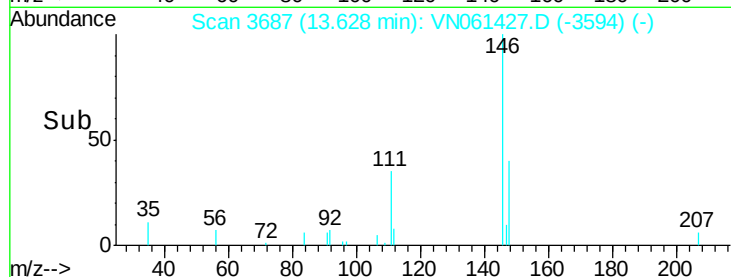
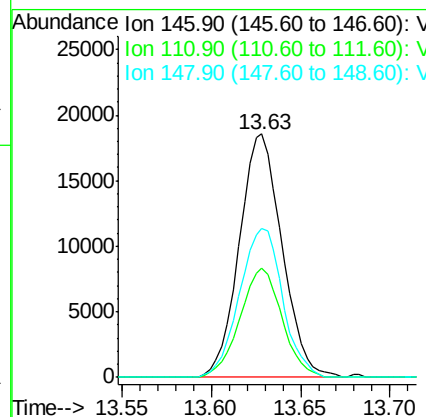
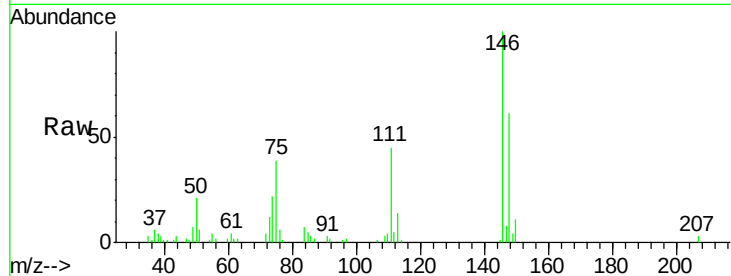
#91
 1,2-Dichlorobenzene
 Concen: 5.625 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	61.8	31.6	94.7

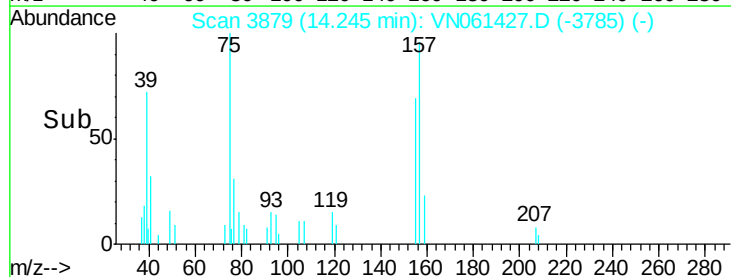
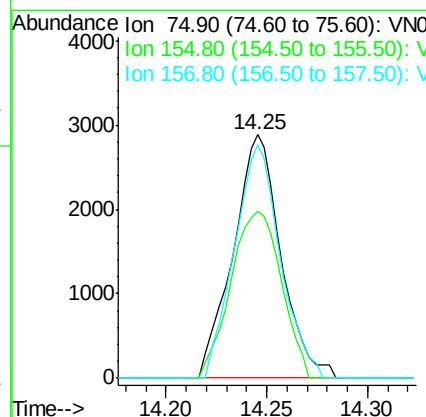
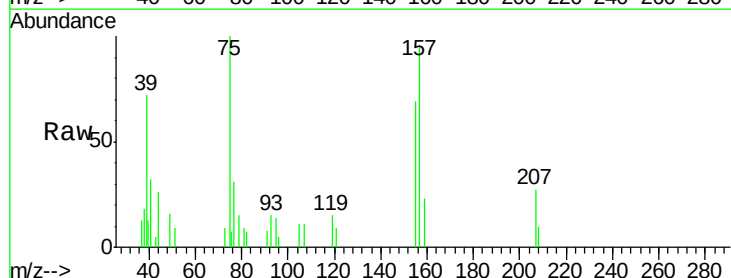
Manual Integrations
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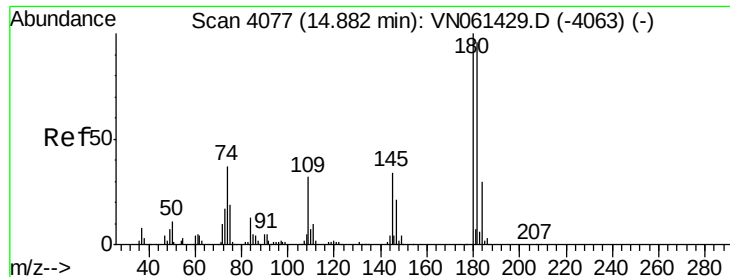
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.993 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	38.9	116.7
157	92.5	48.6	145.8





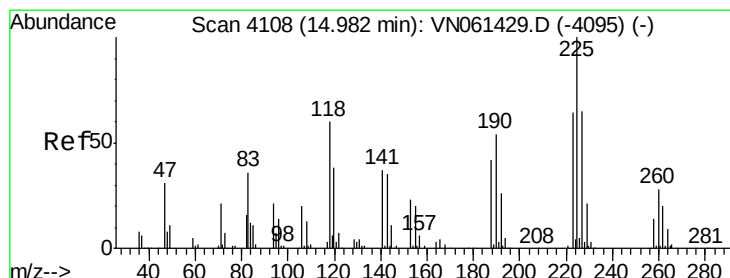
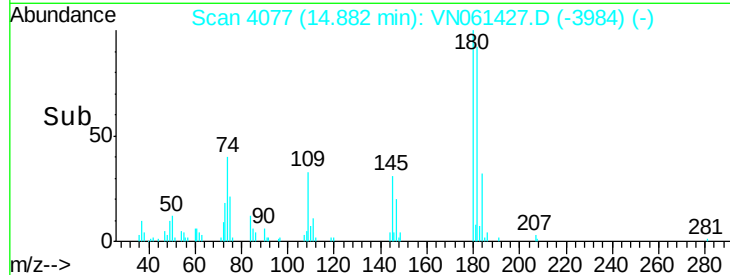
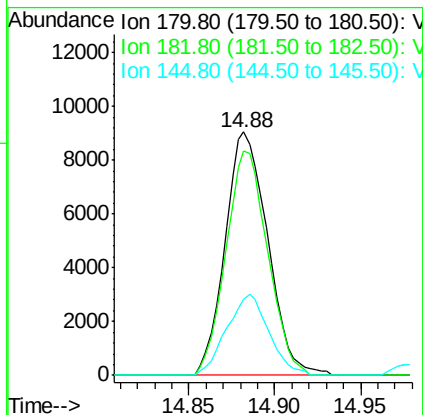
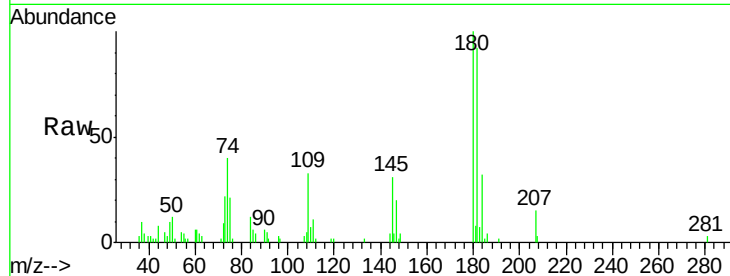
#93
 1,2,4-Trichlorobenzene
 Concen: 5.162 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	15573		
182	90.2	47.0	141.0	
145	33.1	16.7	50.0	

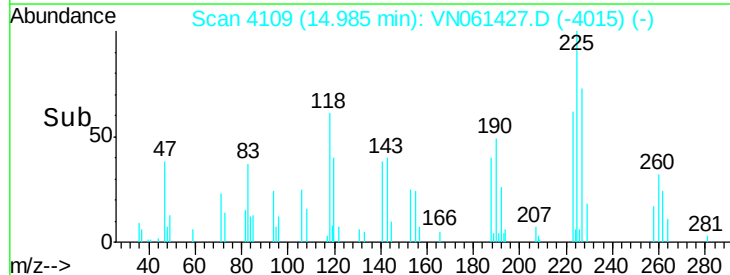
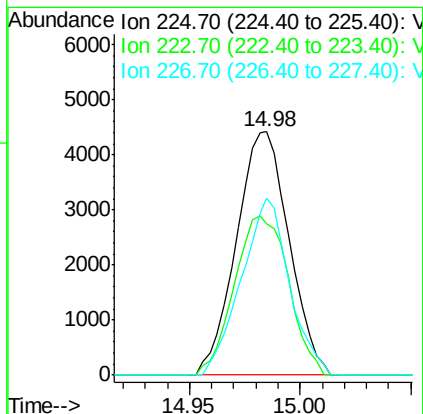
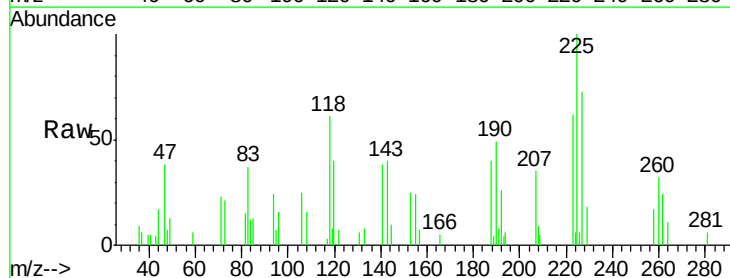
Manual Integrations
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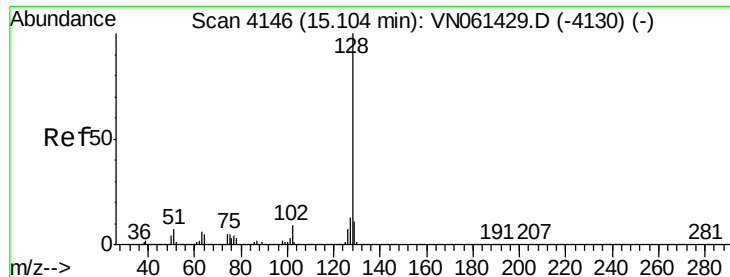
MMDadoda
 5/19/2020 4:25:25 PM



#94
 Hexachlorobutadiene
 Concen: 6.310 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061427.D
 Acq: 18 May 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7331		
223	67.3	31.9	95.7	
227	66.2	31.5	94.5	





#95

Naphthalene

Concen: 4.871 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Instrument :

MSVOA_N

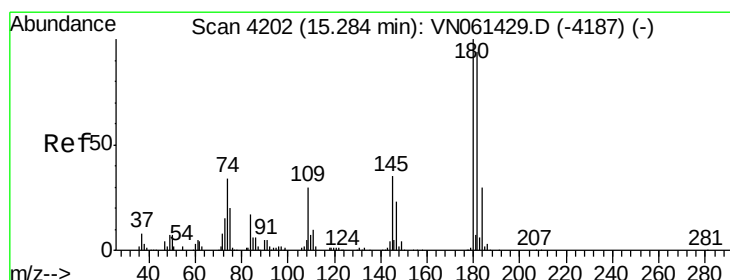
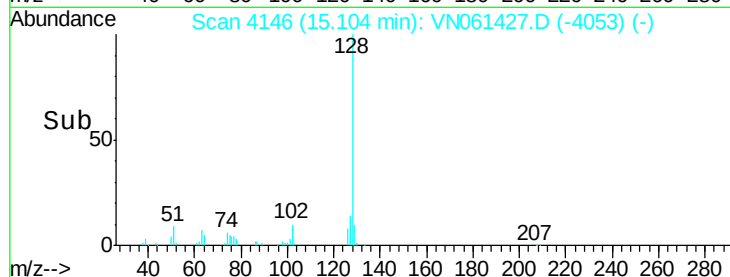
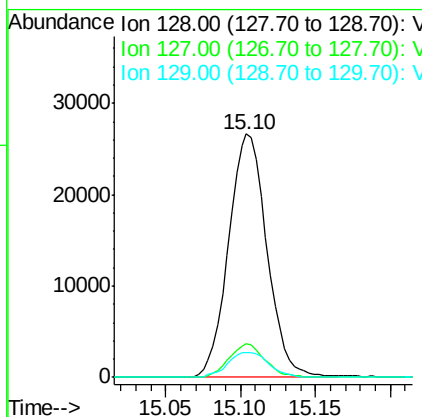
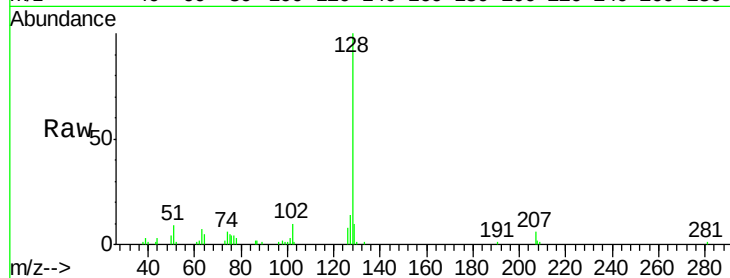
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	47592
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 5.111 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061427.D

Acq: 18 May 2020 11:14

Tgt Ion:	180	Resp:	15411
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.3
145	35.0	17.3	51.9

