

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002454.D
 Acq On : 23 Apr 2020 10:52
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:21 PM

Quant Time: Apr 23 13:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 12:46:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	286274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	420243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	388014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	206911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	13035	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	
35) Dibromofluoromethane	7.75	113	12445	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
50) Toluene-d8	10.20	98	49697	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
62) 4-Bromofluorobenzene	12.49	95	17521	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	11195	5.288	ug/l	97
3) Chloromethane	2.13	50	14416	5.329	ug/l	98
4) Vinyl Chloride	2.27	62	10993	5.818	ug/l	96
5) Bromomethane	2.68	94	5963	5.845	ug/l	99
6) Chloroethane	2.82	64	6779	6.832	ug/l	89
7) Trichlorofluoromethane	3.16	101	15495	4.522	ug/l	97
8) Diethyl Ether	3.56	74	7773	5.545	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	12990	5.487	ug/l	98
10) Methyl Iodide	4.13	142	18485	5.039	ug/l	98
11) Tert butyl alcohol	5.00	59	6630	28.436	ug/l #	72
12) 1,1-Dichloroethene	3.91	96	13485	5.567	ug/l	97
13) Acrolein	3.77	56	4693	26.147	ug/l	90
14) Allyl chloride	4.52	41	18913	5.247	ug/l	96
15) Acrylonitrile	5.21	53	17376	25.673	ug/l	99
16) Acetone	3.99	43	13513	26.840	ug/l	99
17) Carbon Disulfide	4.24	76	40265	5.276	ug/l	99
18) Methyl Acetate	4.52	43	9420	5.623	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	33517	5.115	ug/l #	91
20) Methylene Chloride	4.76	84	17463	5.677	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	14411	5.197	ug/l	96
22) Diisopropyl ether	6.16	45	36806	5.139	ug/l	95
23) Vinyl Acetate	6.11	43	110784	24.663	ug/l	97
24) 1,1-Dichloroethane	6.07	63	22425	5.165	ug/l	96
25) 2-Butanone	7.03	43	20115	25.567	ug/l	95
26) 2,2-Dichloropropane	7.02	77	20998	5.083	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	15607	5.177	ug/l	97
28) Bromochloromethane	7.38	49	8712	5.104	ug/l	98
29) Tetrahydrofuran	7.38	42	13330	25.442	ug/l	98
30) Chloroform	7.55	83	24297	5.266	ug/l	91
31) Cyclohexane	7.82	56	25482	5.794	ug/l #	84
32) 1,1,1-Trichloroethane	7.74	97	22794	5.263	ug/l	98
36) 1,1-Dichloropropene	7.95	75	18869	5.232	ug/l	99
37) Ethyl Acetate	7.11	43	9774	5.495	ug/l	100
38) Carbon Tetrachloride	7.93	117	21492	5.213	ug/l	94

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	25140	5.364	ug/l	100
40) Benzene	8.19	78	54640	5.250	ug/l	98
41) Methacrylonitrile	7.36	41	6358m	2.969	ug/l	
42) 1,2-Dichloroethane	8.27	62	16031	5.321	ug/l	99
43) Isopropyl Acetate	8.30	43	16919	5.098	ug/l	98
44) Trichloroethene	8.97	130	17376	5.326	ug/l	89
45) 1,2-Dichloropropane	9.24	63	12450	5.184	ug/l	99
46) Dibromomethane	9.33	93	7036	5.048	ug/l	95
47) Bromodichloromethane	9.52	83	17542	5.021	ug/l	95
48) Methyl methacrylate	9.31	41	7703	5.094	ug/l	95
49) 1,4-Dioxane	9.31	88	1843	105.112	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	44153	25.670	ug/l	100
52) Toluene	10.27	92	34793	5.214	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	18400	5.064	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	21317	5.086	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	10733	5.200	ug/l	94
56) Ethyl methacrylate	10.53	69	14277	5.116	ug/l	100
57) 1,3-Dichloropropane	10.81	76	17961	5.158	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	35918	26.350	ug/l	99
59) 2-Hexanone	10.85	43	30388	25.535	ug/l	99
60) Dibromochloromethane	11.00	129	13971	5.194	ug/l	100
61) 1,2-Dibromoethane	11.11	107	10685	5.232	ug/l	99
64) Tetrachloroethene	10.74	164	18628	5.221	ug/l	97
65) Chlorobenzene	11.53	112	38606	5.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	13898	4.983	ug/l	95
67) Ethyl Benzene	11.61	91	67540	5.092	ug/l	99
68) m/p-Xylenes	11.72	106	53254	10.423	ug/l	96
69) o-Xylene	12.04	106	24659	5.153	ug/l	100
70) Styrene	12.06	104	43026	5.182	ug/l	98
71) Bromoform	12.22	173	8894	5.094	ug/l #	98
73) Isopropylbenzene	12.34	105	67184	5.009	ug/l	98
74) N-amyl acetate	12.16	43	15529	4.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	10700	5.235	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	8913m	3.120	ug/l	
77) Bromobenzene	12.62	156	17204	5.112	ug/l	98
78) n-propylbenzene	12.68	91	79195	5.072	ug/l	99
79) 2-Chlorotoluene	12.77	91	44133	5.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	58708	5.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	4680	5.147	ug/l	93
82) 4-Chlorotoluene	12.86	91	46686	5.194	ug/l	98
83) tert-Butylbenzene	13.08	119	51071	5.079	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	57138	5.019	ug/l	100
85) sec-Butylbenzene	13.27	105	70205	5.113	ug/l	100
86) p-Isopropyltoluene	13.38	119	66280	5.100	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	33001	5.136	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	32731	5.144	ug/l	93
89) n-Butylbenzene	13.70	91	61299	5.157	ug/l	100
90) Hexachloroethane	13.97	117	12104	5.212	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	29175	5.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2242	5.533	ug/l	89

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ClientSampleId :
VSTDICC005

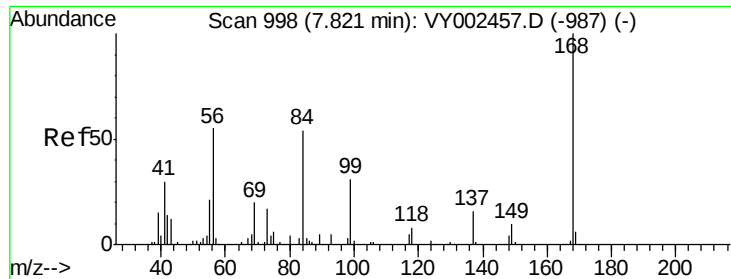
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	21658	5.086	ug/l	98
94) Hexachlorobutadiene	15.12	225	12921	4.991	ug/l	97
95) Naphthalene	15.25	128	38758	5.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	17864	4.979	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 286274

Ion Ratio Lower Upper

168 100

99 51.0

39.7

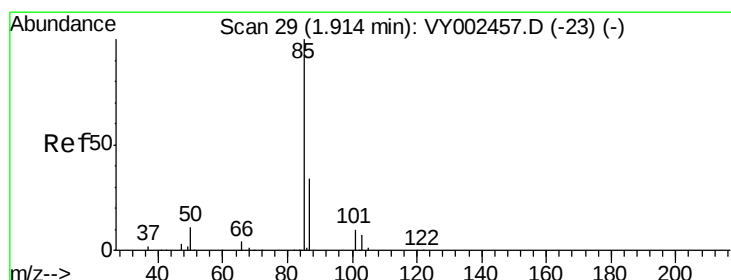
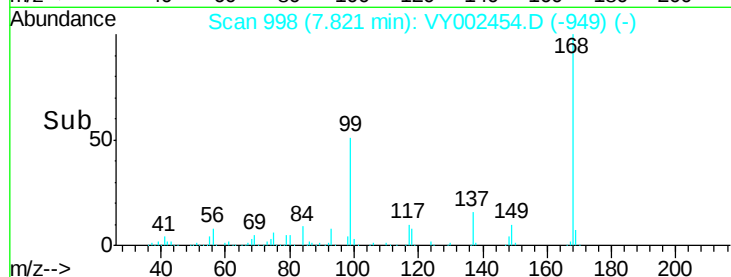
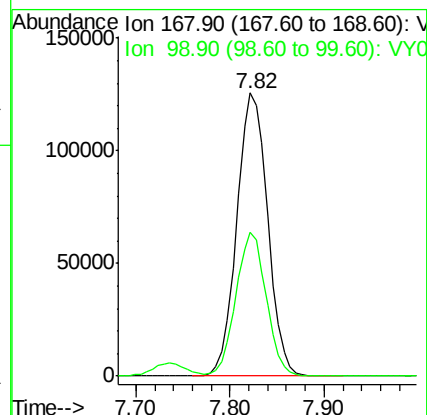
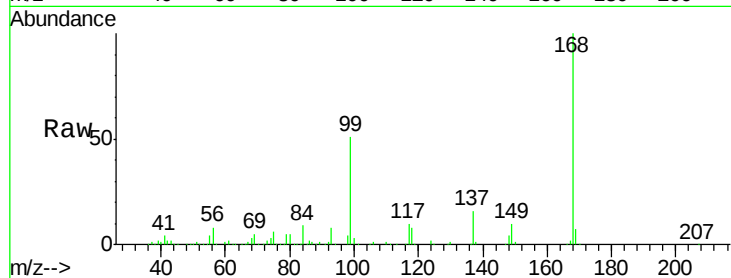
59.5

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#2

Dichlorodifluoromethane

Concen: 5.288 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion: 85 Resp: 11195

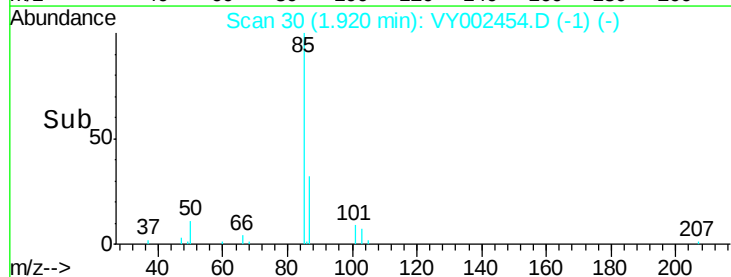
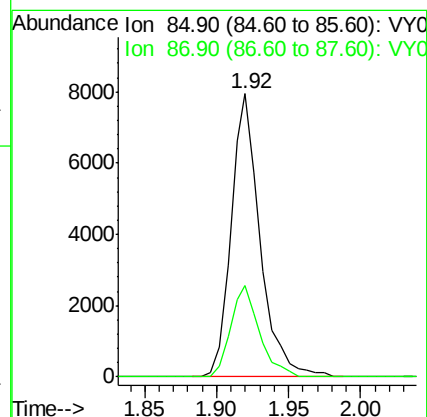
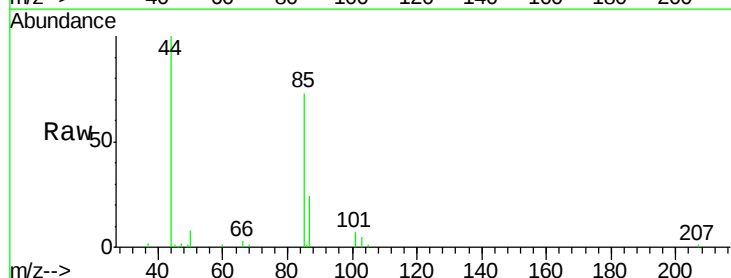
Ion Ratio Lower Upper

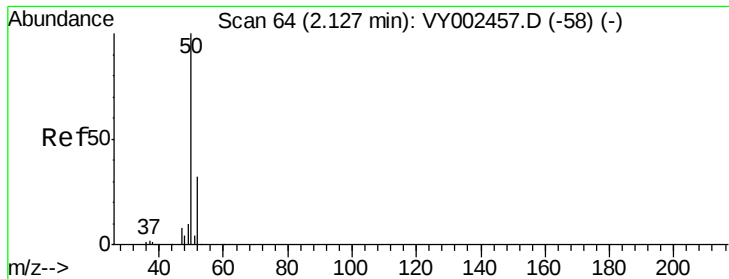
85 100

87 32.4

17.1

51.3





#3

Chloromethane

Concen: 5.329 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 14416

Ion Ratio Lower Upper

50 100

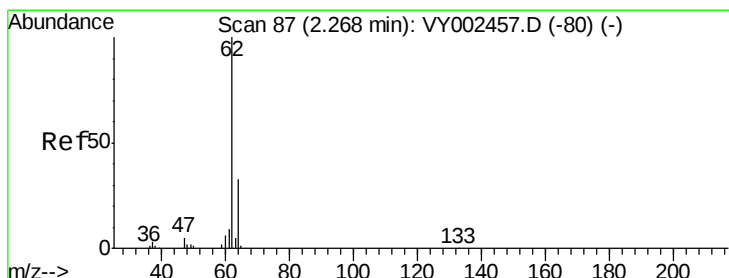
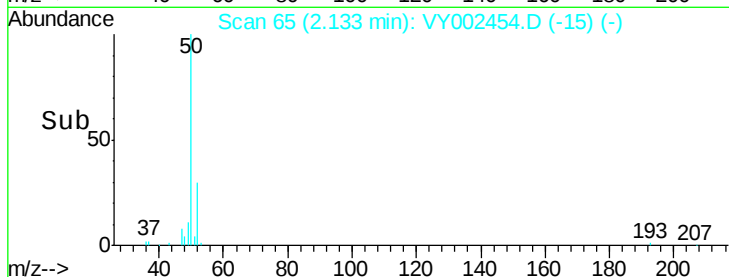
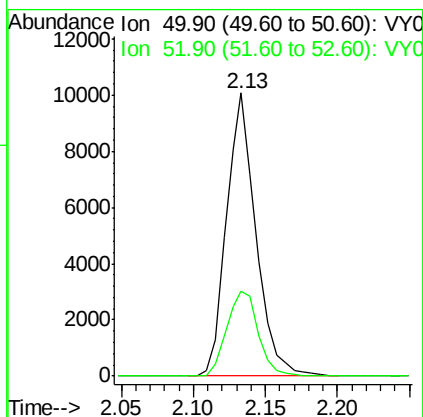
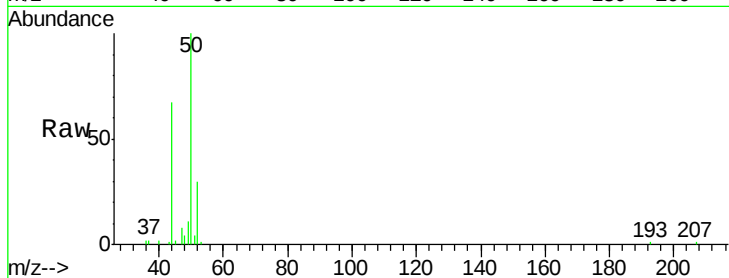
52 30.2 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.818 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY002454.D

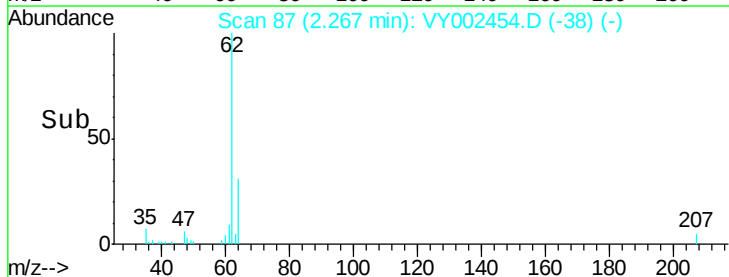
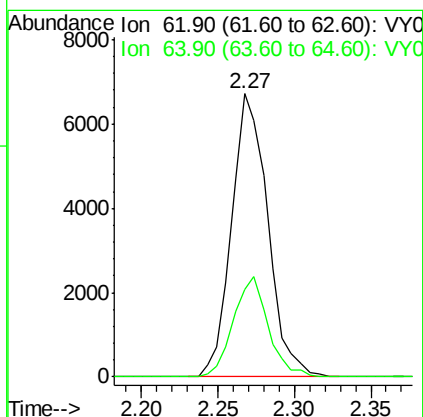
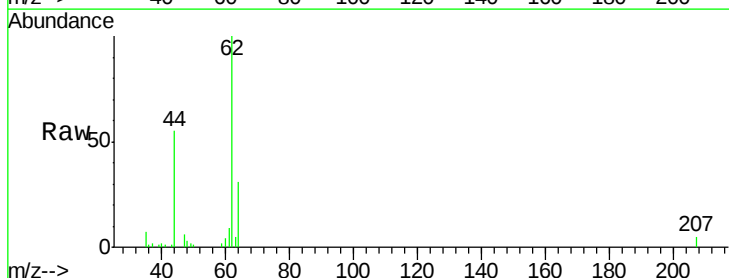
Acq: 23 Apr 2020 10:52

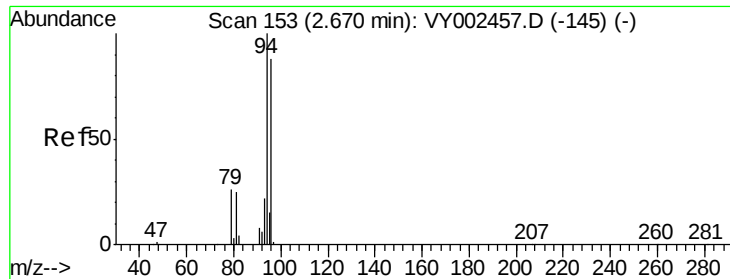
Tgt Ion: 62 Resp: 10993

Ion Ratio Lower Upper

62 100

64 31.0 26.6 39.8





#5

Bromomethane

Concen: 5.845 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5963

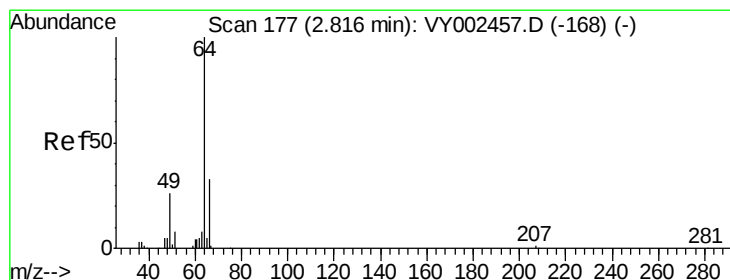
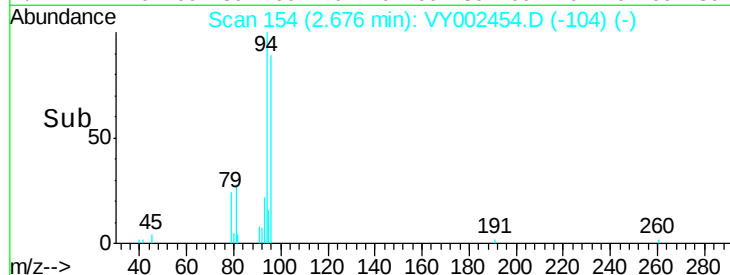
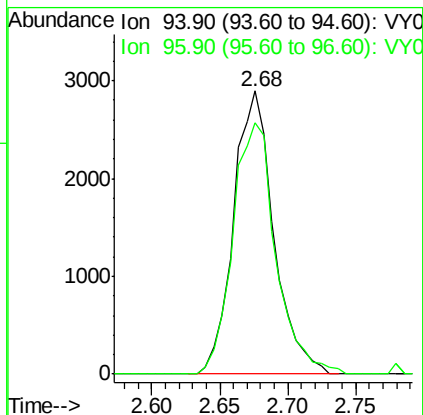
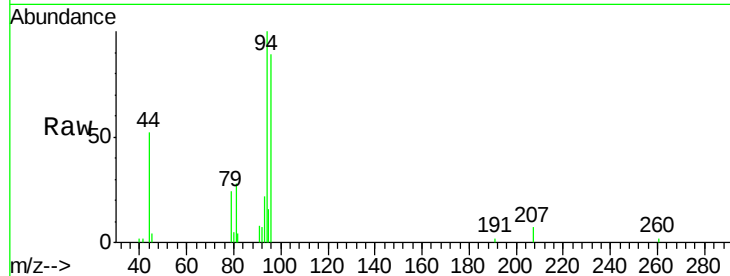
Ion Ratio Lower Upper

94 100

96 88.7 70.2 105.4

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#6

Chloroethane

Concen: 6.832 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY002454.D

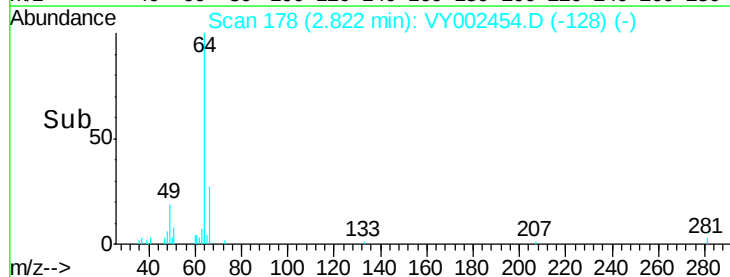
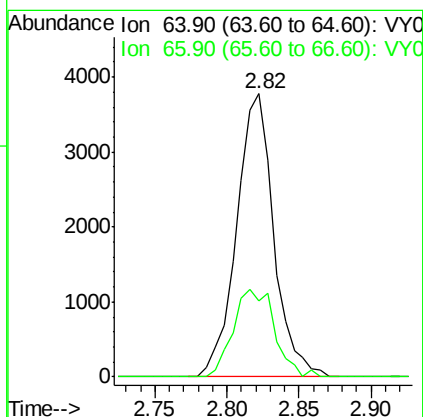
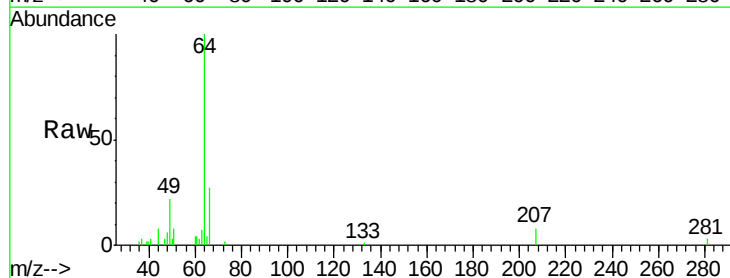
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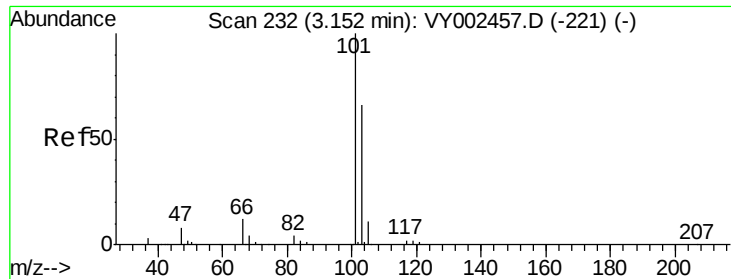
Tgt Ion: 64 Resp: 6779

Ion Ratio Lower Upper

64 100

66 26.8 26.6 40.0





#7

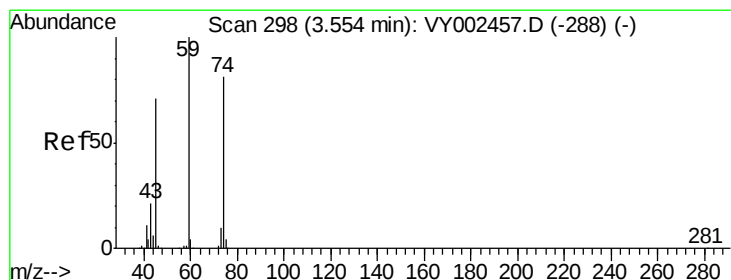
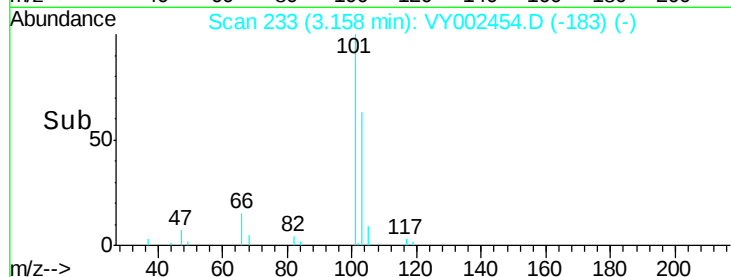
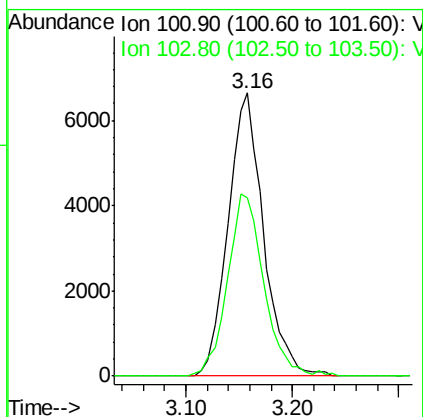
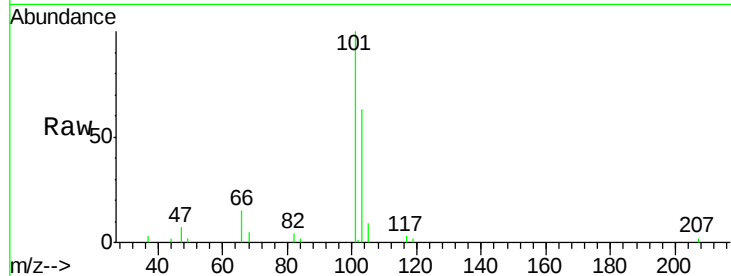
Trichlorofluoromethane
Concen: 4.522 ug/l
RT: 3.16 min Scan# 233
Delta R.T. 0.01 min
Lab File: VY002454.D
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VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		15495		
103	63.0	52.5	78.7		

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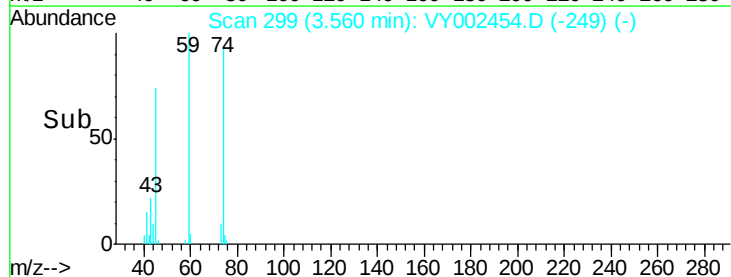
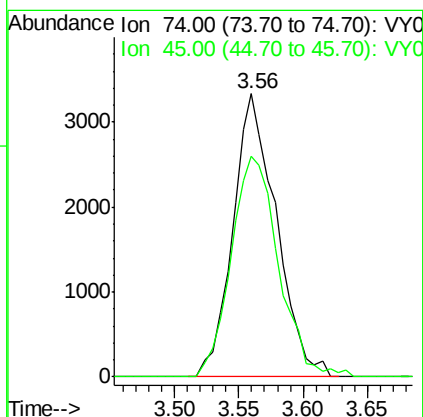
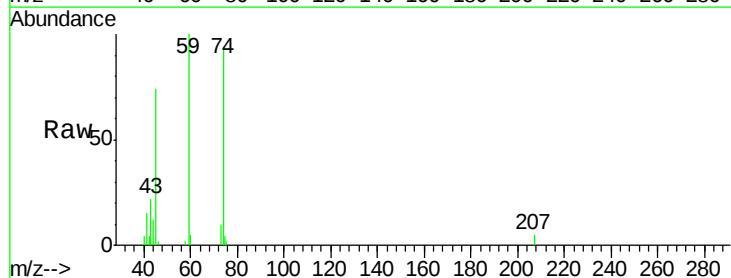
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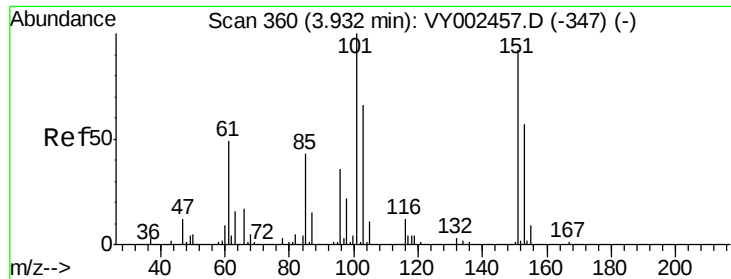


#8

Diethyl Ether
Concen: 5.545 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		7773		
45	85.3	44.0	132.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.487 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY002454.D

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Instrument :

MSVOA_Y

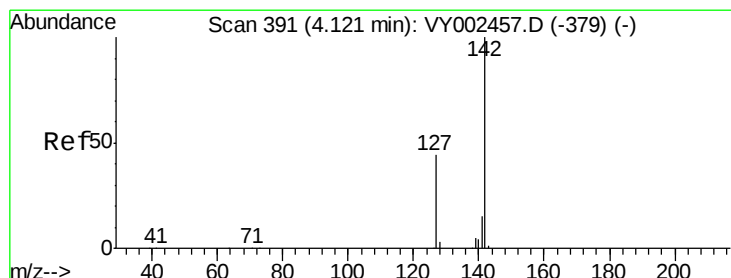
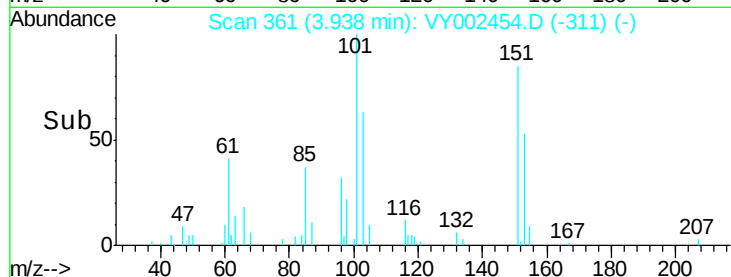
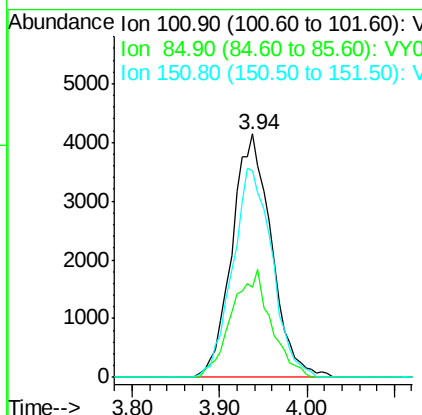
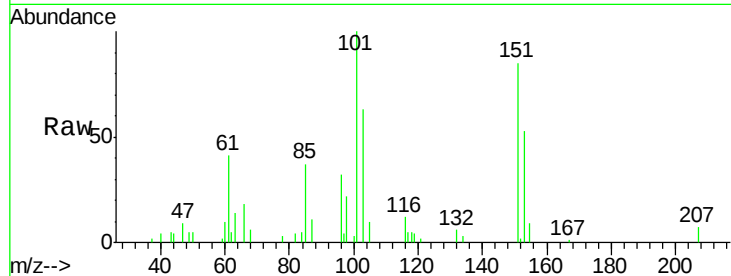
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12990
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	86.1	70.3	105.5

Manual Integrations
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#10

Methyl Iodide

Concen: 5.039 ug/l

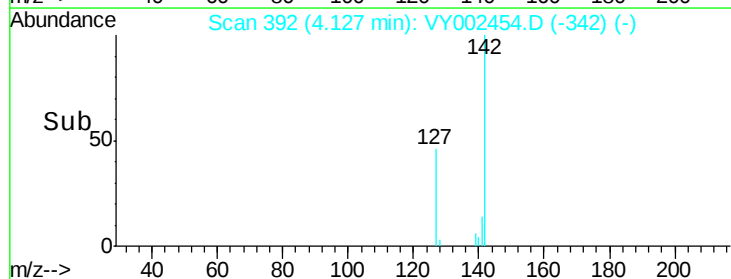
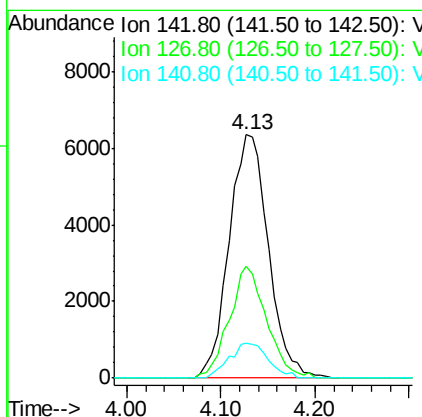
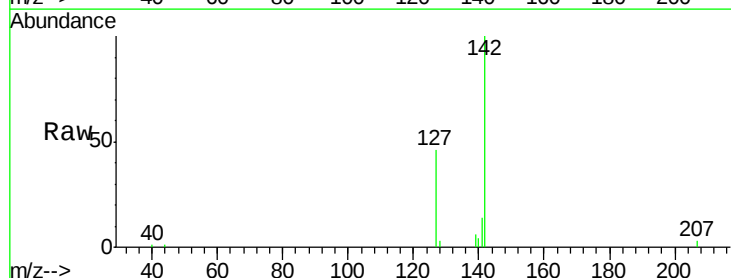
RT: 4.13 min Scan# 392

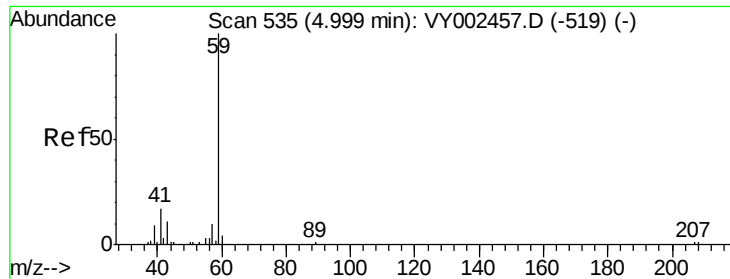
Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	142	Resp:	18485
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.8	53.8
141	14.1	11.6	17.4





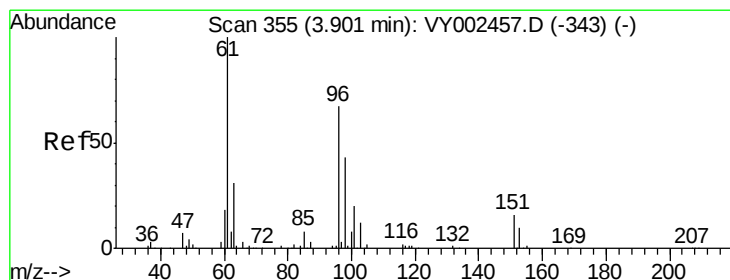
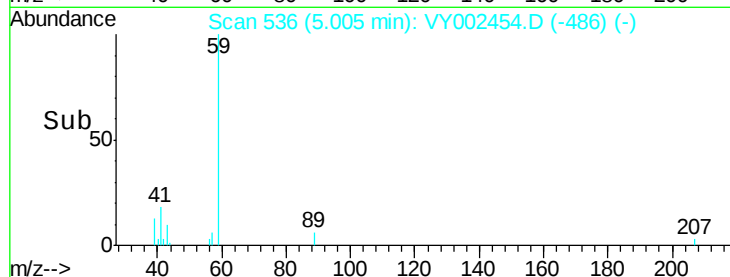
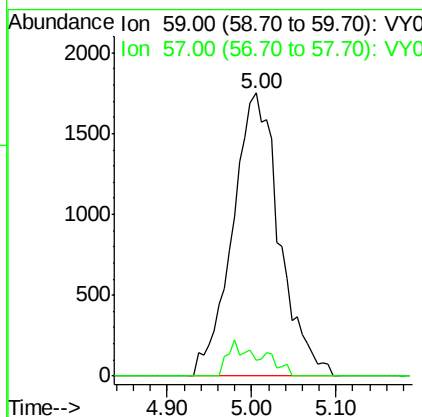
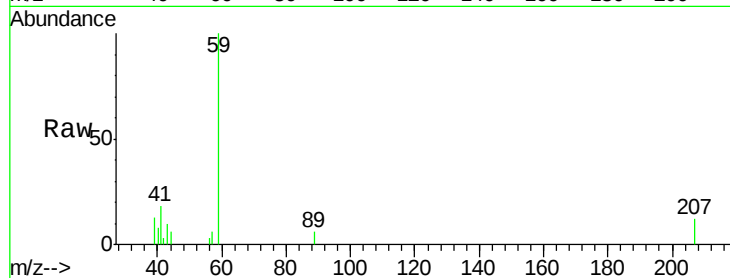
#11
Tert butyl alcohol
Concen: 28.436 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

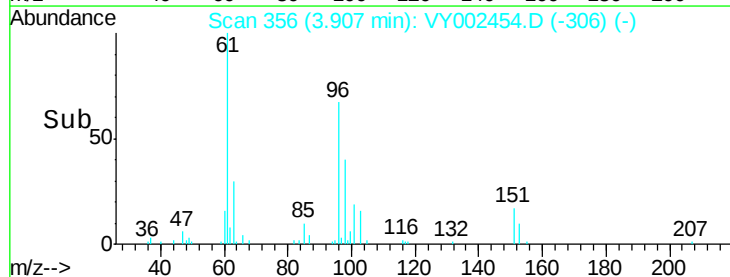
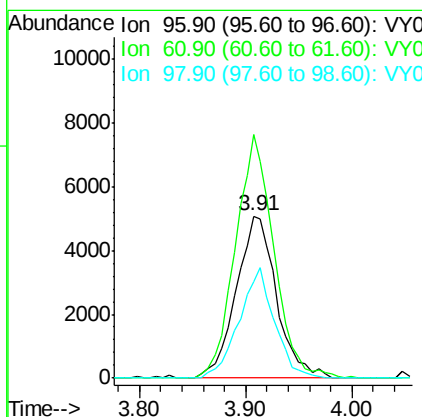
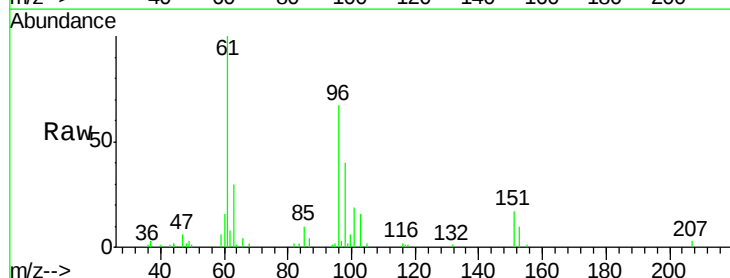
Manual Integrations
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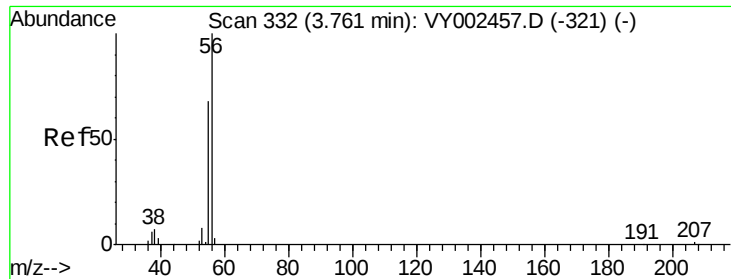
MMDadoda
4/24/2020 1:33:21 PM



#12
1,1-Dichloroethene
Concen: 5.567 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	119.0	178.6
98	59.9	51.4	77.2





#13

Acrolein

Concen: 26.147 ug/l

RT: 3.77 min Scan# 334

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4693

Ion Ratio Lower Upper

56 100

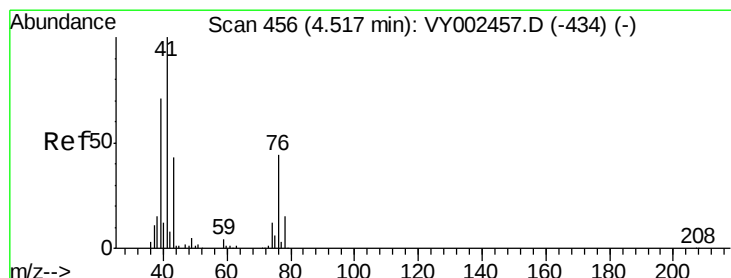
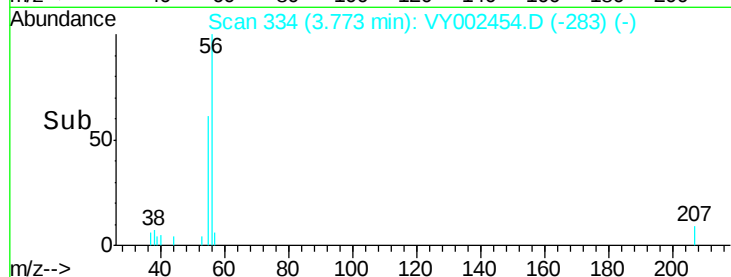
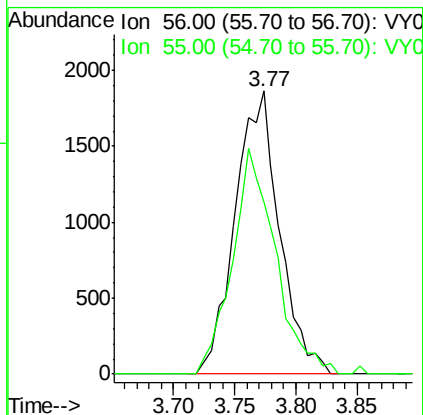
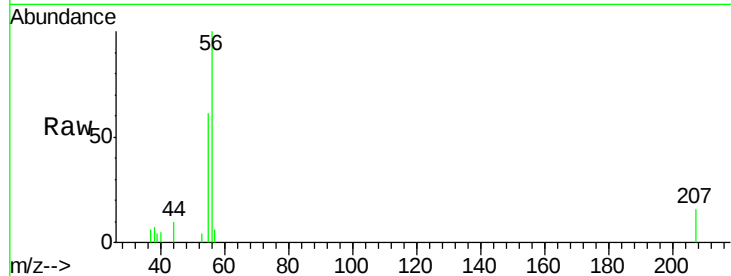
55 77.6 55.8 83.6

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#14

Allyl chloride

Concen: 5.247 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

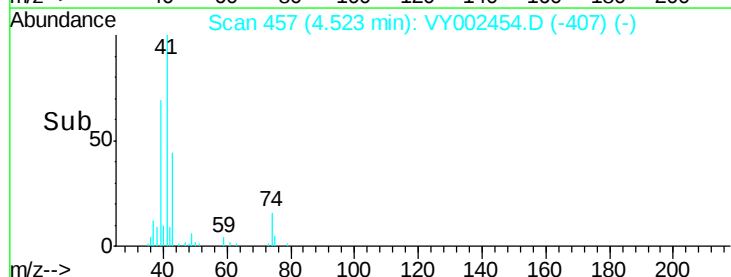
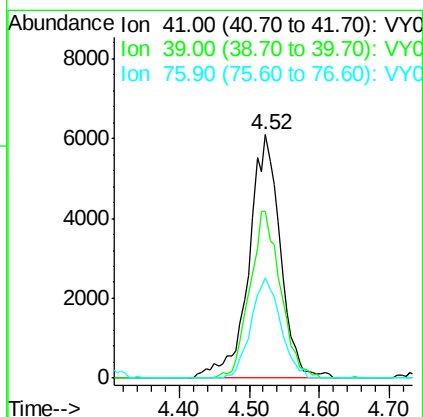
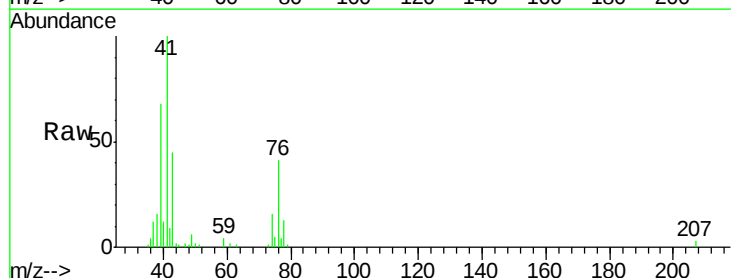
Tgt Ion: 41 Resp: 18913

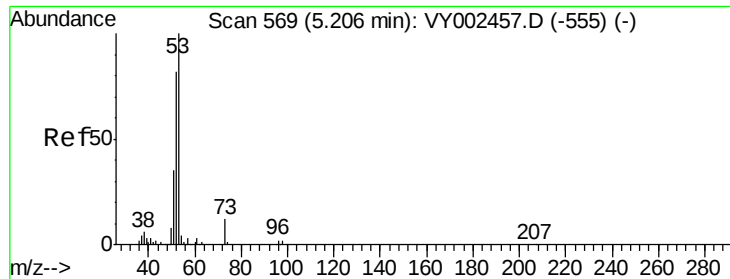
Ion Ratio Lower Upper

41 100

39 67.5 55.1 82.7

76 38.8 34.3 51.5





#15

Acrylonitrile

Concen: 25.673 ug/l

RT: 5.21 min Scan# 569

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

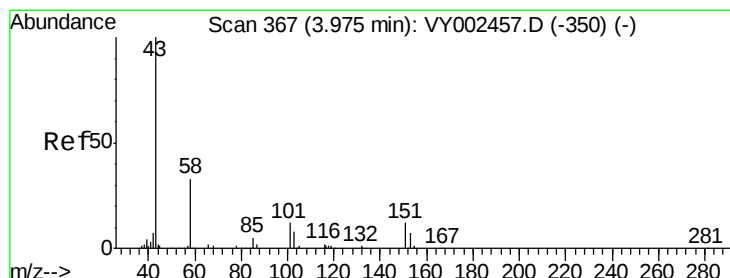
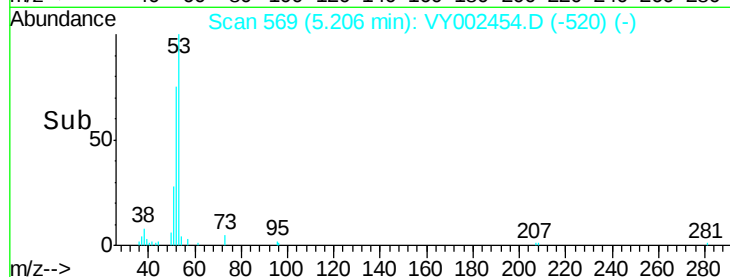
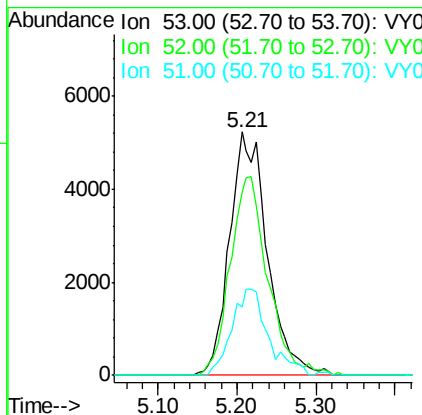
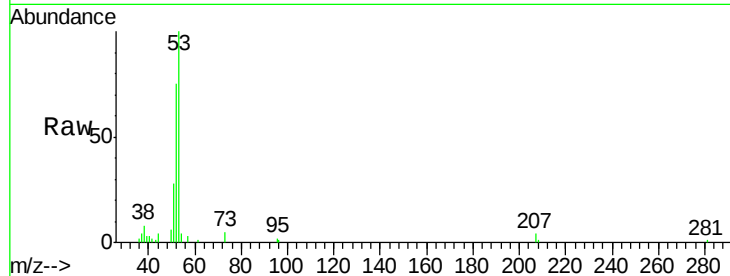
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17376
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.4	98.2
51	34.0	28.3	42.5

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#16

Acetone

Concen: 26.840 ug/l

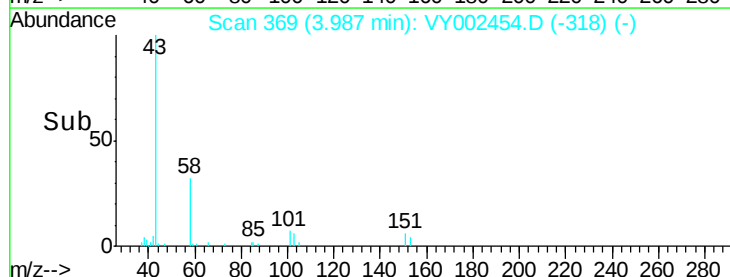
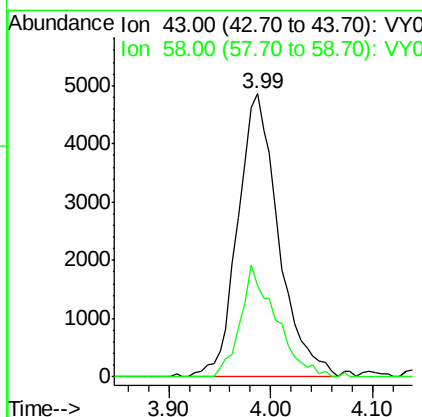
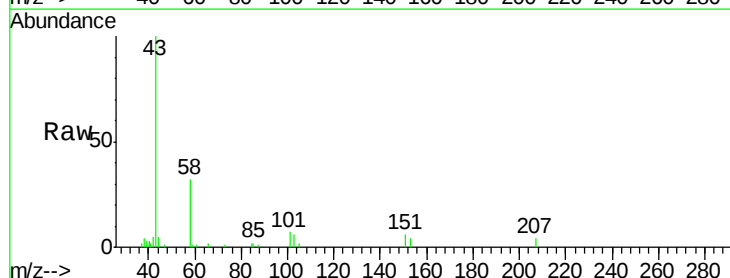
RT: 3.99 min Scan# 369

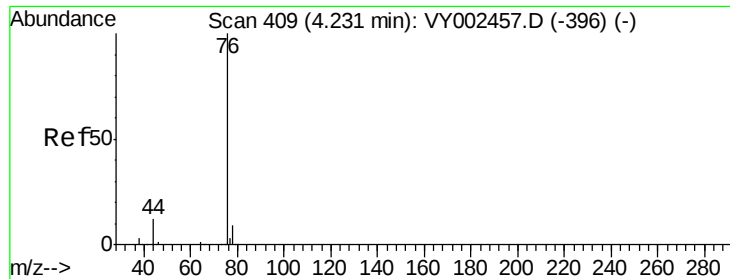
Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	43	Resp:	13513
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.4	39.6





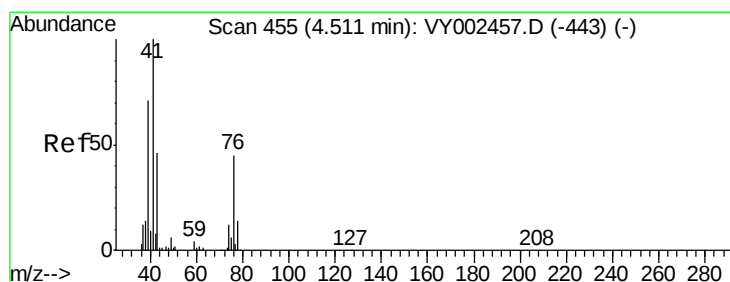
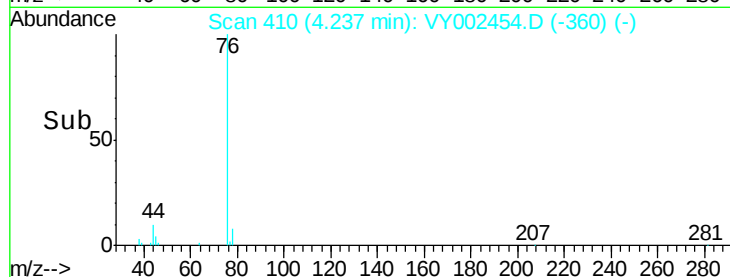
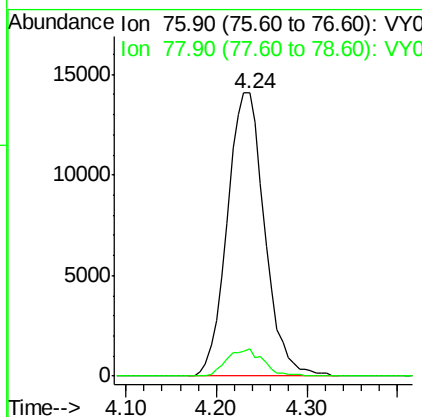
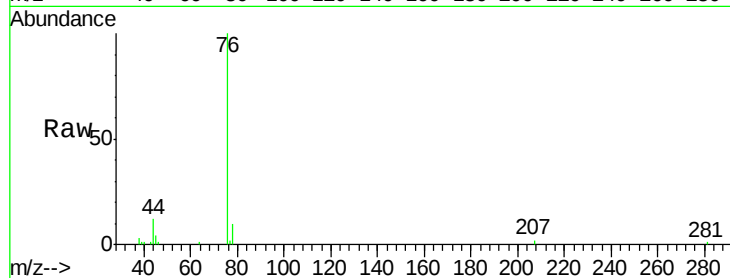
#17
Carbon Disulfide
Concen: 5.276 ug/l
RT: 4.24 min Scan# 410
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

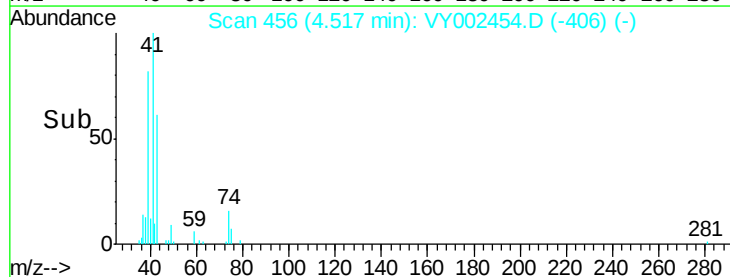
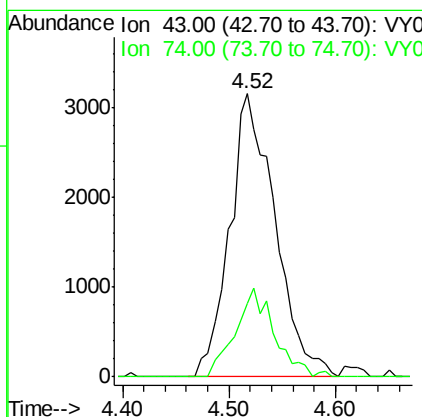
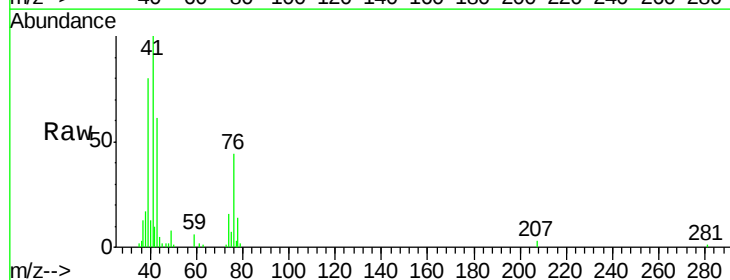
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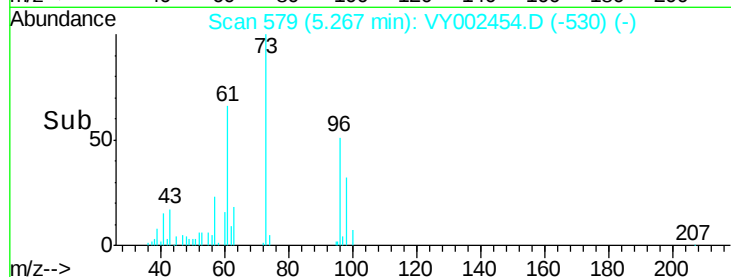
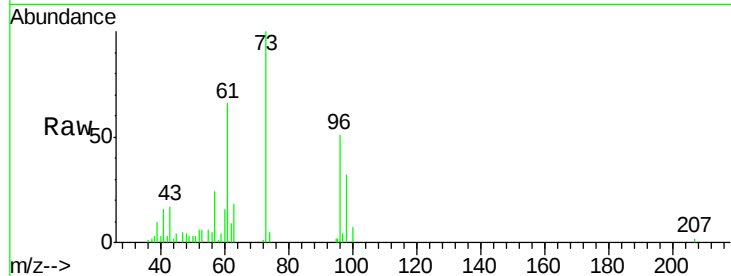
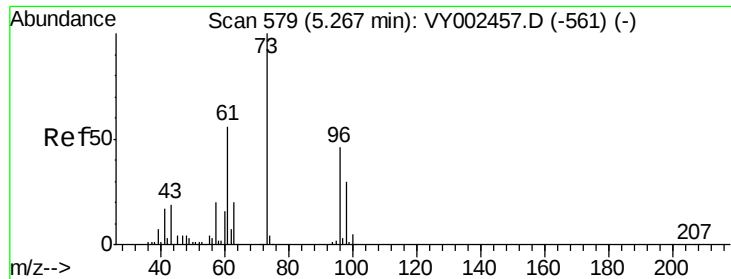
MMDadoda
4/24/2020 1:33:21 PM



#18
Methyl Acetate
Concen: 5.623 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	22.0	33.0





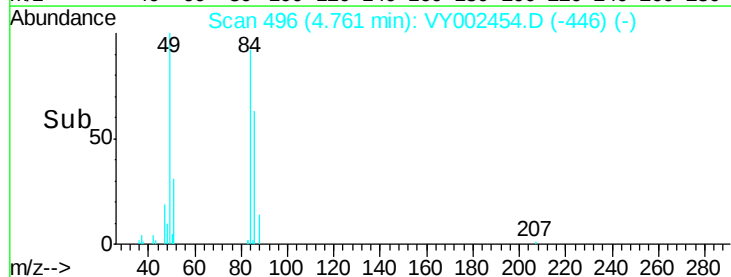
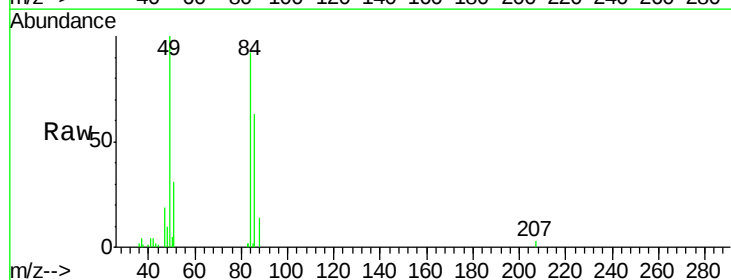
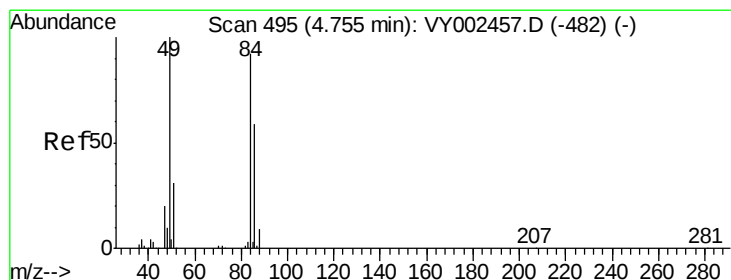
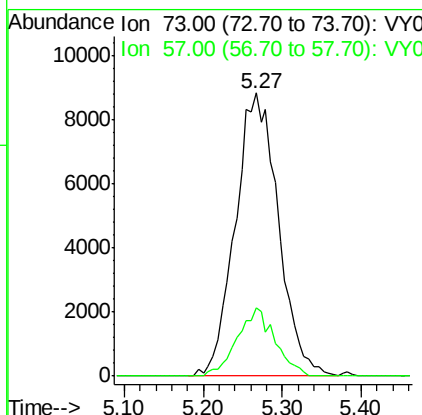
#19
Methvl tert-butvl Ether
Concen: 5.115 ug/l
RT: 5.27 min Scan# 579
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tot Ion: 73 Resp: 33517
Ion Ratio Lower Upper
73 100
57 24.0 16.0 24.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

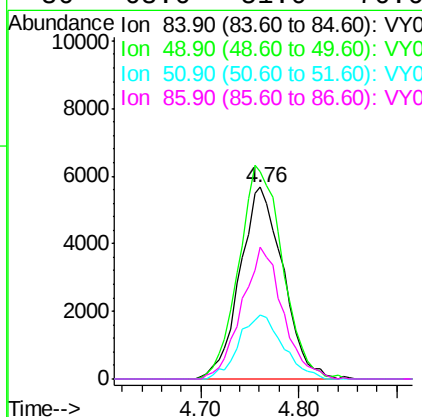
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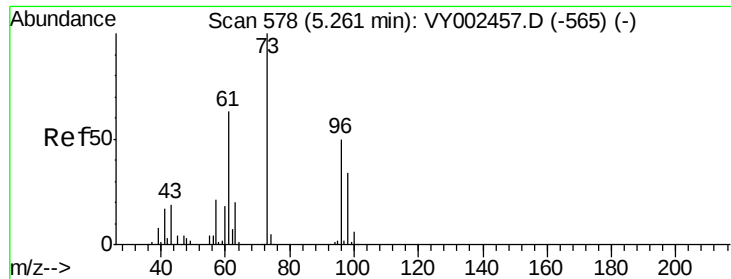
MMDadoda
4/24/2020 1:33:21 PM



#20
Methylene Chloride
Concen: 5.677 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion: 84 Resp: 17463
Ion Ratio Lower Upper
84 100
49 108.4 86.9 130.3
51 33.6 27.3 40.9
86 68.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 5.197 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

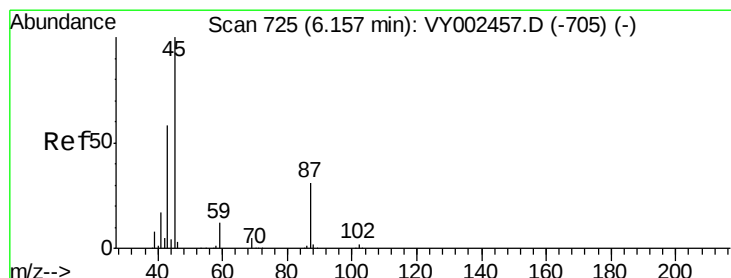
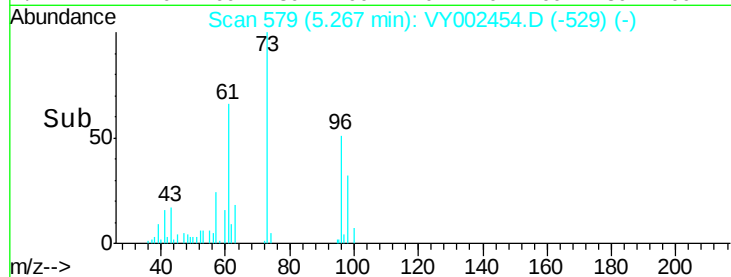
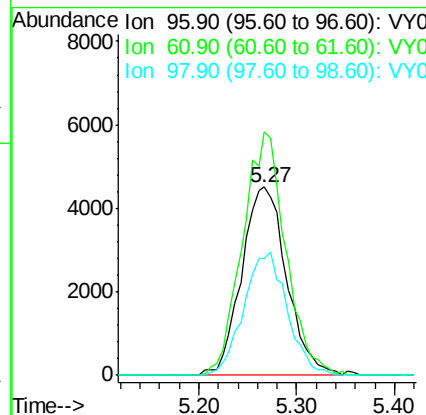
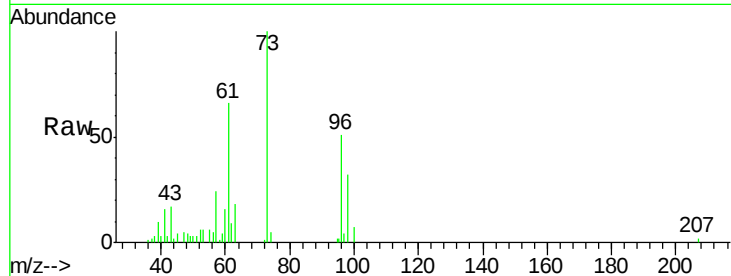
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14411
Ion	Ratio	Lower	Upper
96	100		
61	129.5	101.4	152.0
98	62.1	53.6	80.4

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#22

Diisopropyl ether

Concen: 5.139 ug/l

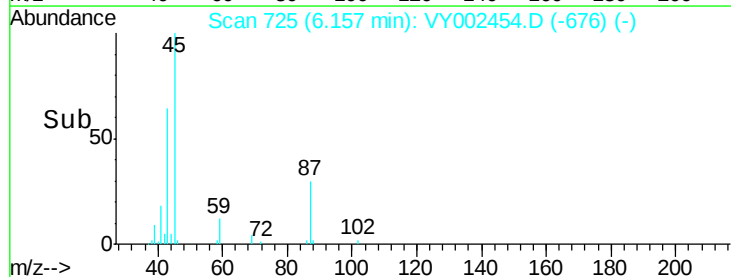
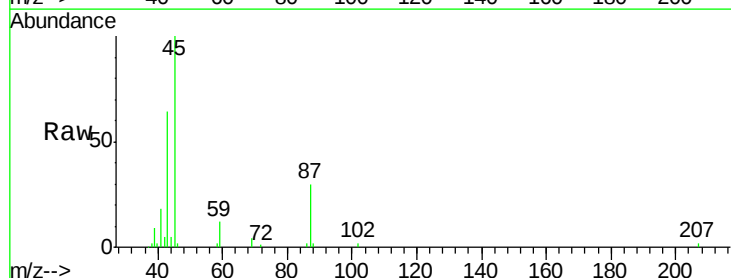
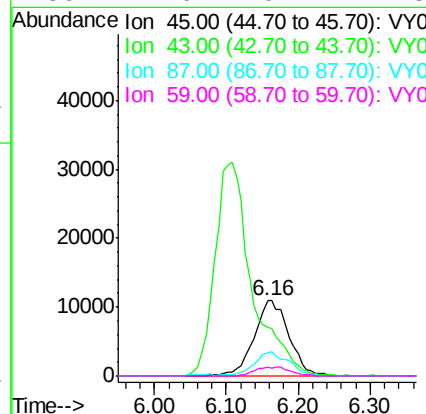
RT: 6.16 min Scan# 725

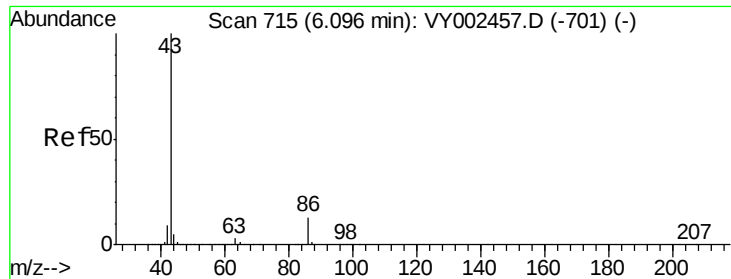
Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	45	Resp:	36806
Ion	Ratio	Lower	Upper
45	100		
43	63.9	47.1	70.7
87	30.3	25.0	37.6
59	11.6	9.7	14.5





#23

Vinyl Acetate

Concen: 24.663 ug/l

RT: 6.11 min Scan# 717

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 110784

Ion Ratio Lower Upper

43 100

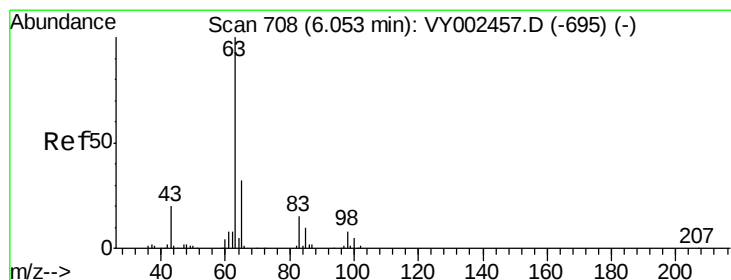
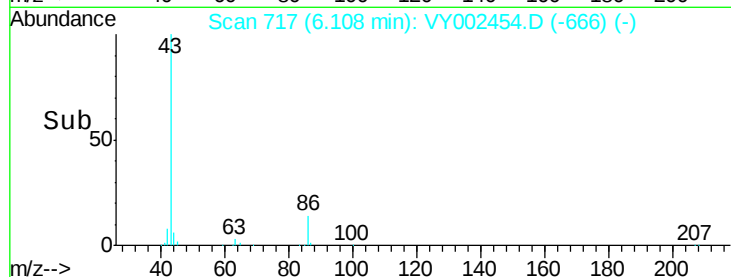
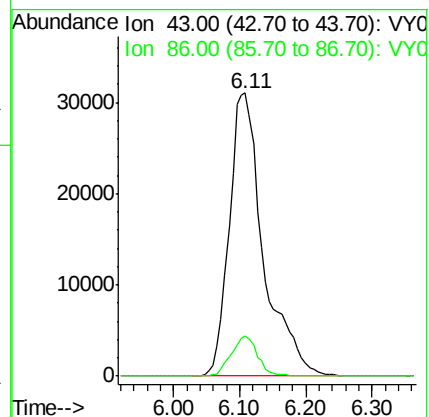
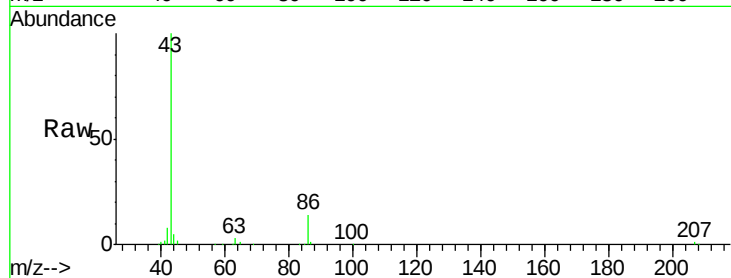
86 14.0 10.2 15.4

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#24

1,1-Dichloroethane

Concen: 5.165 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

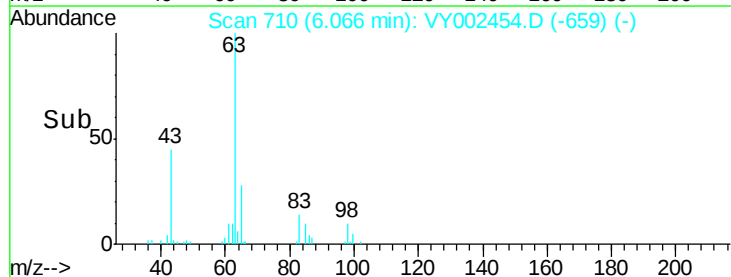
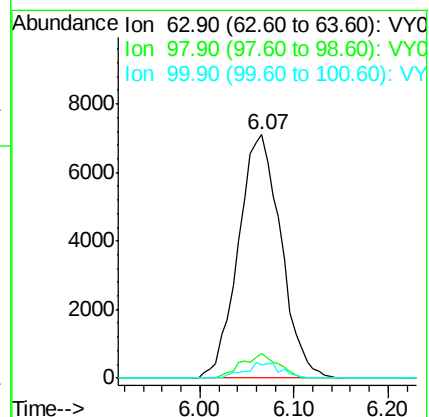
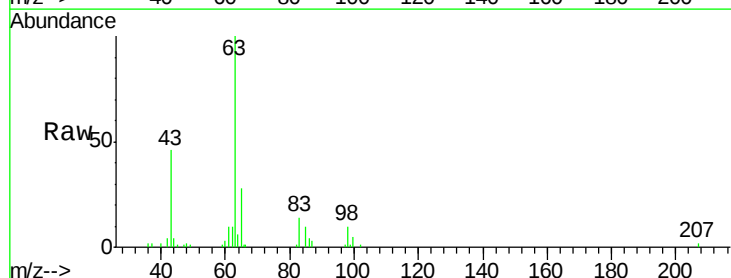
Tgt Ion: 63 Resp: 22425

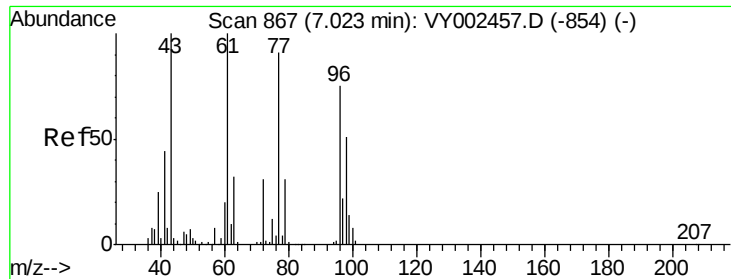
Ion Ratio Lower Upper

63 100

98 10.2 4.1 12.3

100 5.3 2.5 7.4





#25

2-Butanone

Concen: 25.567 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 20115

Ion Ratio Lower Upper

43 100

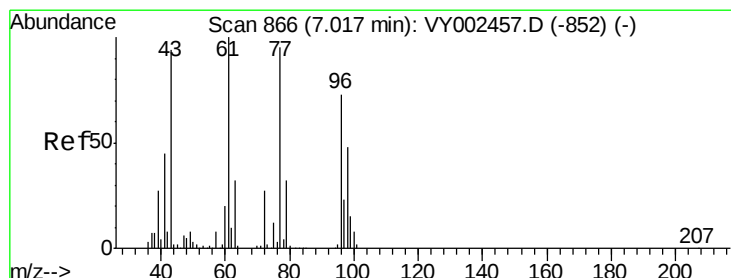
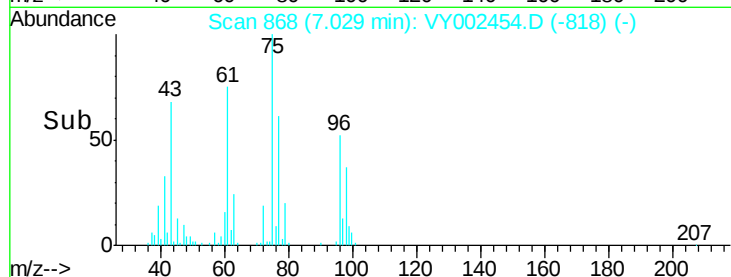
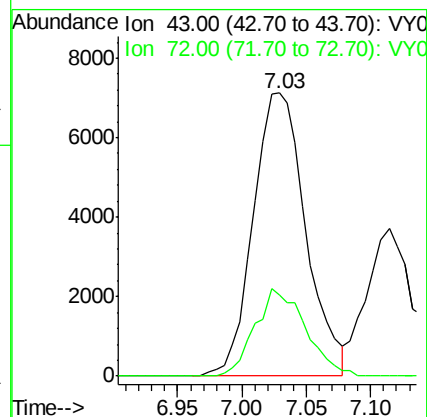
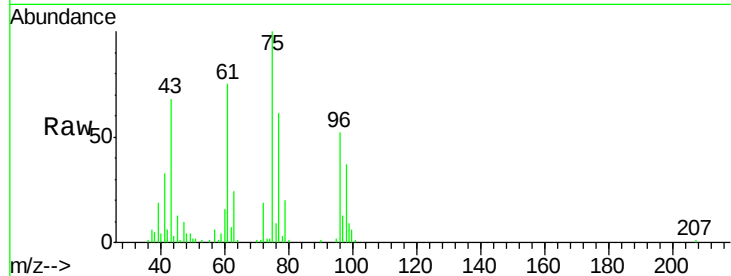
72 28.5 24.8 37.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.083 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002454.D

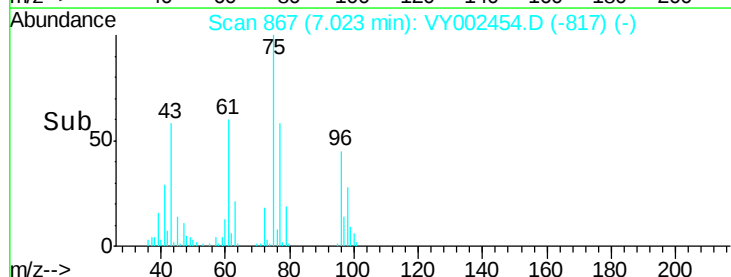
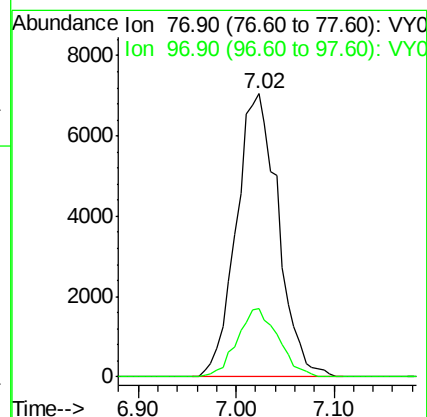
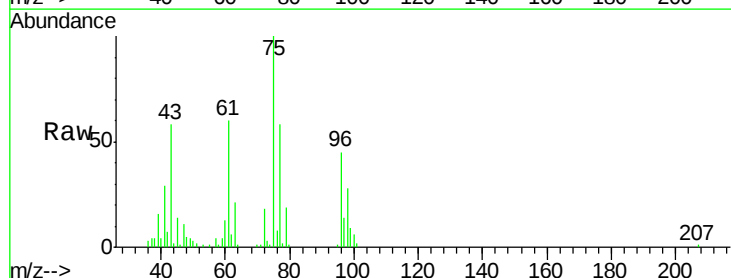
Acq: 23 Apr 2020 10:52

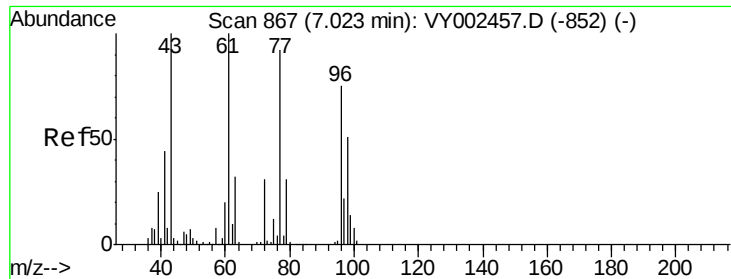
Tgt Ion: 77 Resp: 20998

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.0





#27

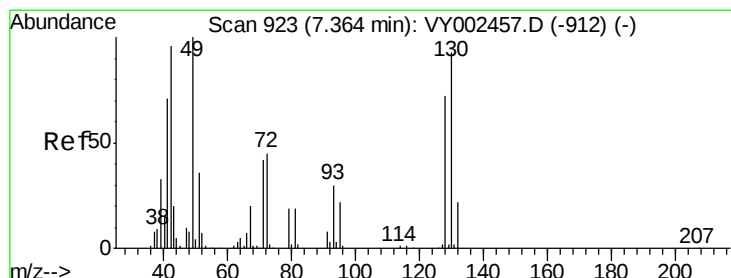
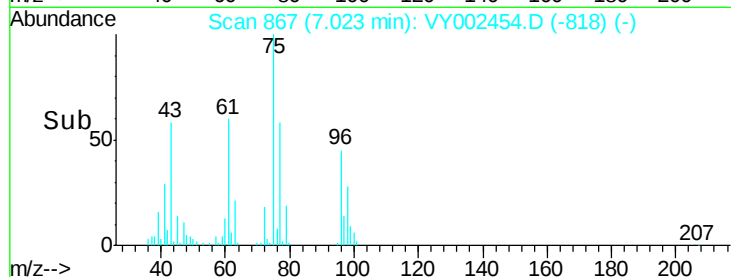
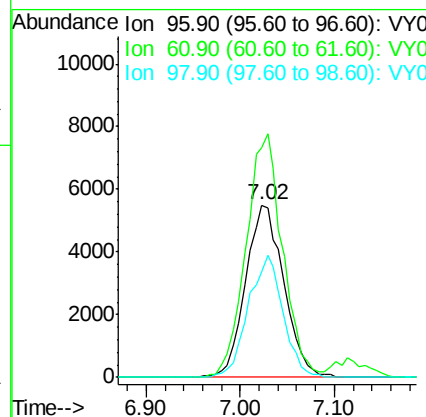
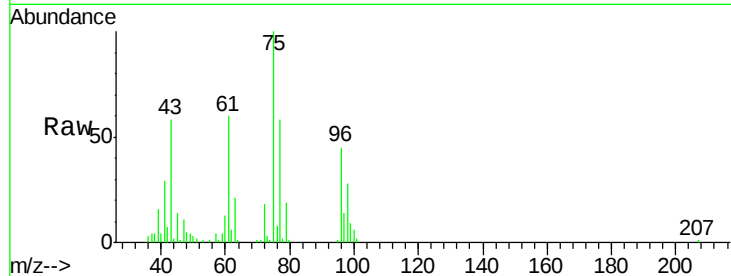
cis-1,2-Dichloroethene
Concen: 5.177 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	262.6
98	64.2	0.0	131.0

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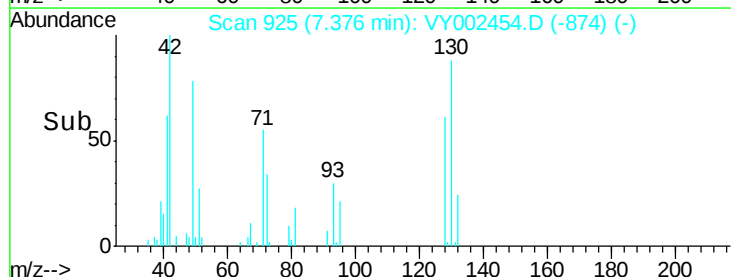
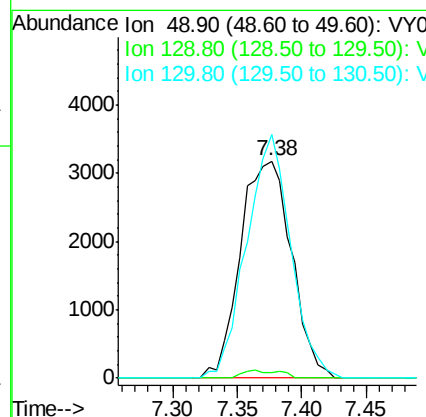
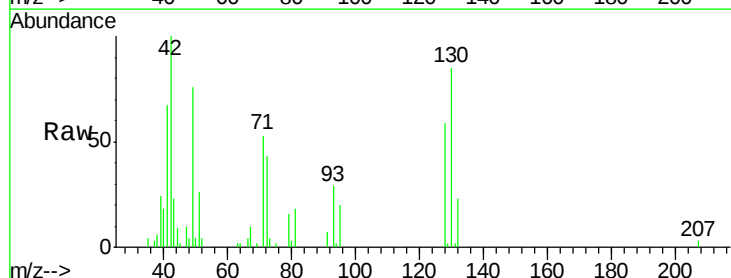
MMDadoda
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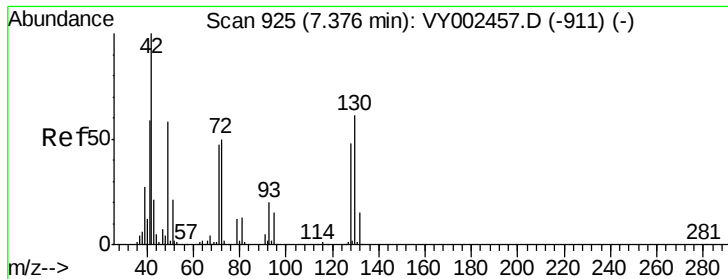


#28

Bromochloromethane
Concen: 5.104 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	97.1	76.3	114.5





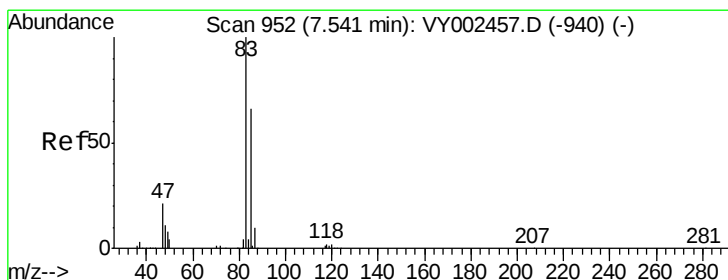
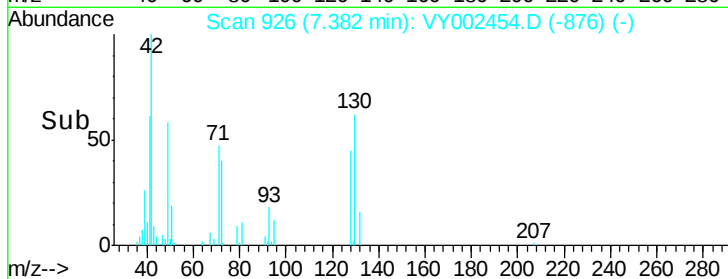
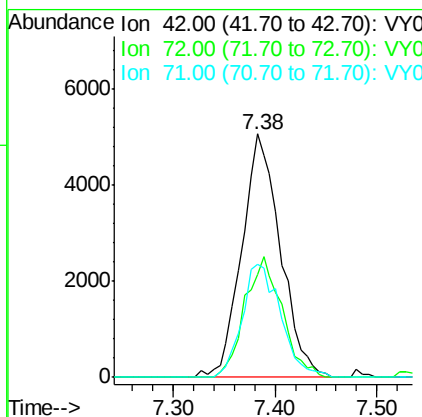
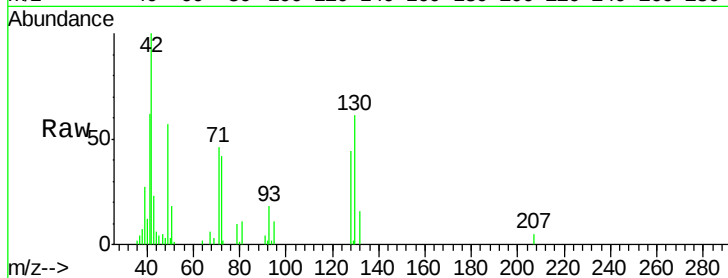
#29
Tetrahydrofuran
Concen: 25.442 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	13330
Ion	Ratio	Lower	Upper
42	100		
72	47.8	39.5	59.3
71	46.4	37.6	56.4

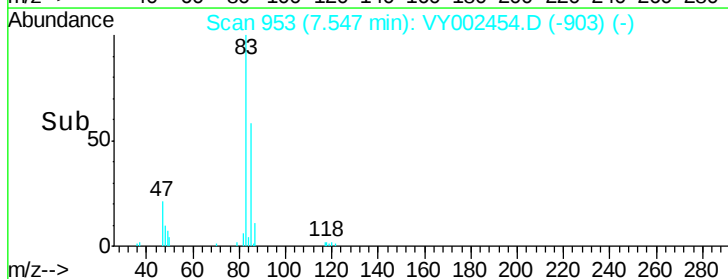
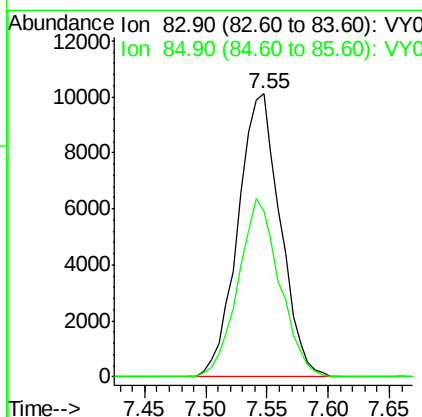
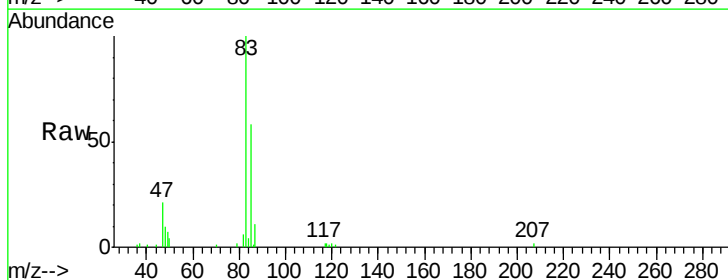
Manual Integrations
APPROVED

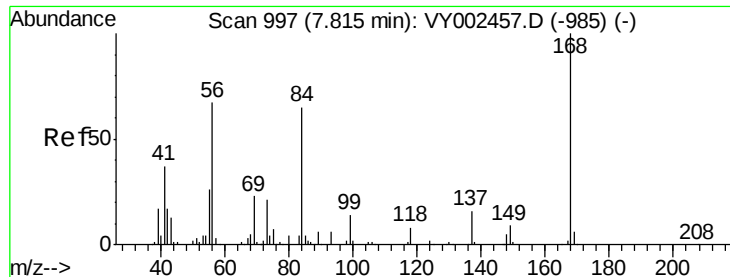
MMDadoda
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#30
Chloroform
Concen: 5.266 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion:	83	Resp:	24297
Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.4	78.6





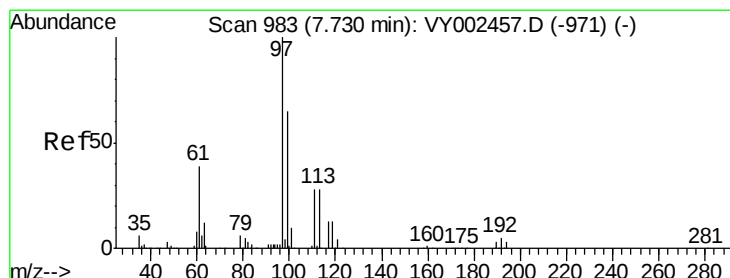
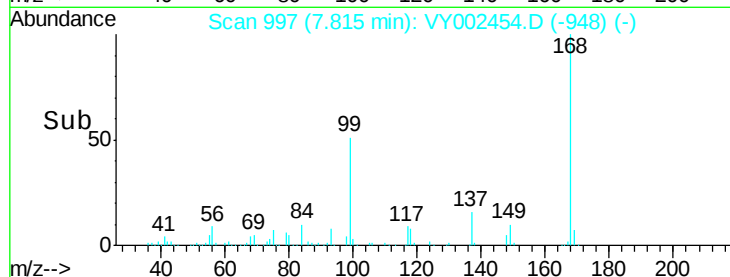
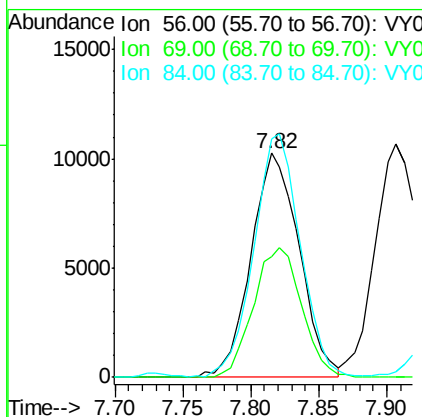
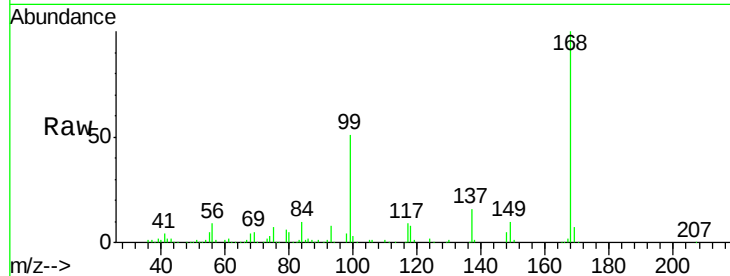
#31
Cyclohexane
Concen: 5.794 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	54.0	27.0	40.6#
84	106.5	77.4	116.2

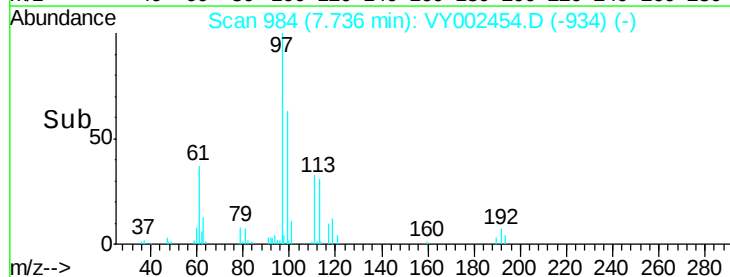
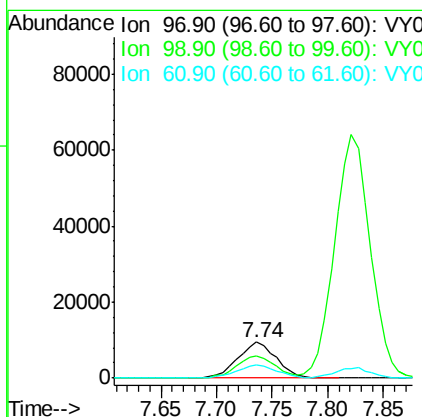
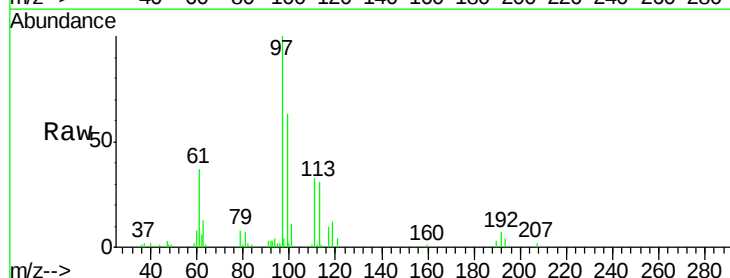
Manual Integrations
APPROVED

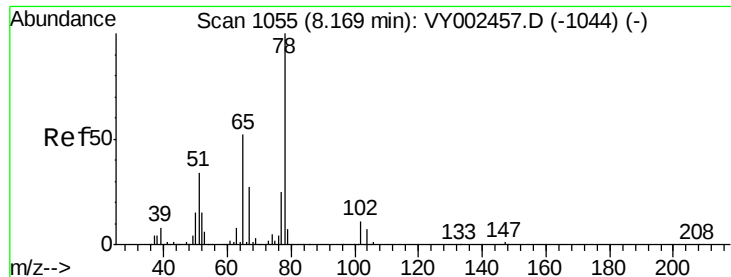
MMDadoda
4/24/2020 1:33:21 PM



#32
1,1,1-Trichloroethane
Concen: 5.263 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.6	77.4
61	37.5	30.6	45.8





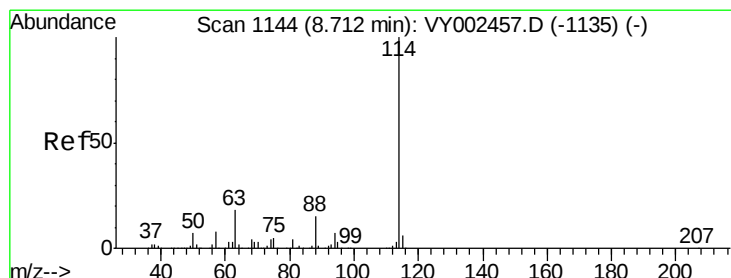
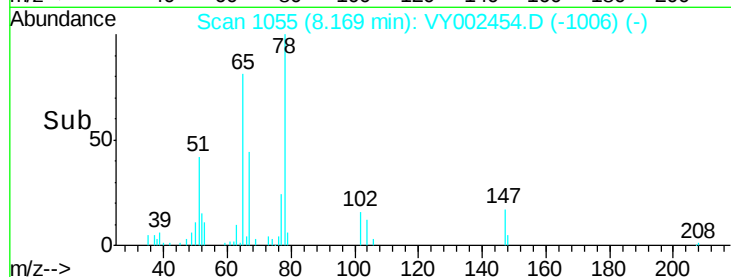
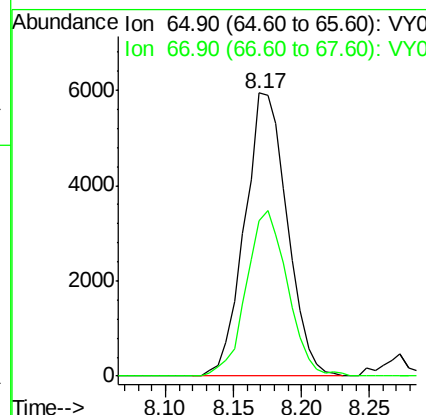
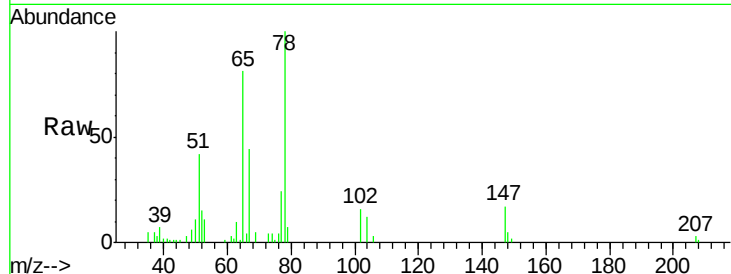
#33
 1,2-Dichloroethane-d4
 Concen: 5.198 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.6	0.0	104.2	

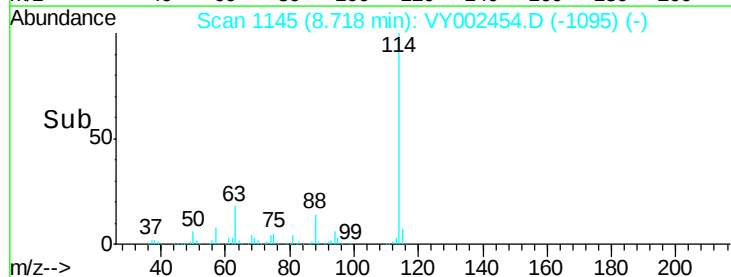
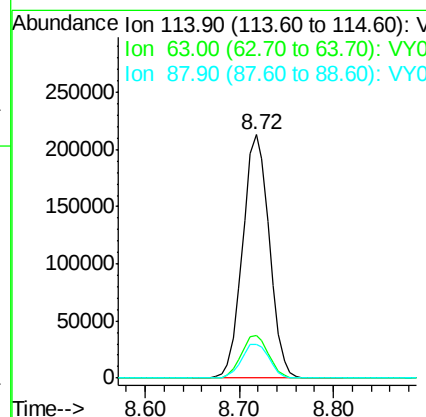
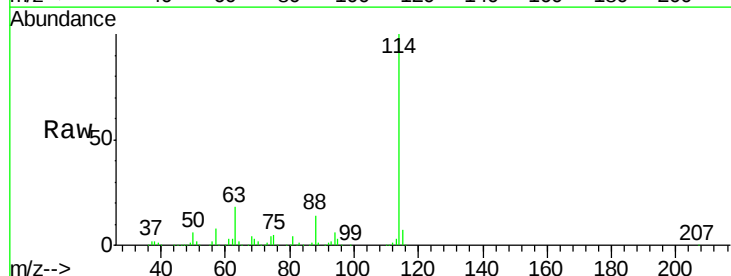
Manual Integrations
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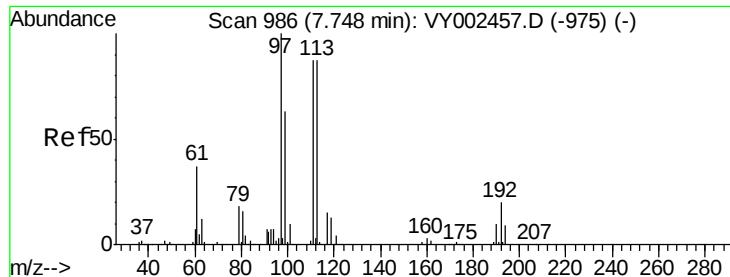
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	35.6	
88	14.0	0.0	29.4	





#35

Dibromofluoromethane

Concen: 5.232 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

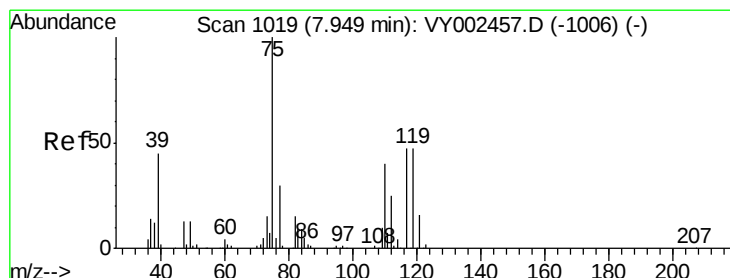
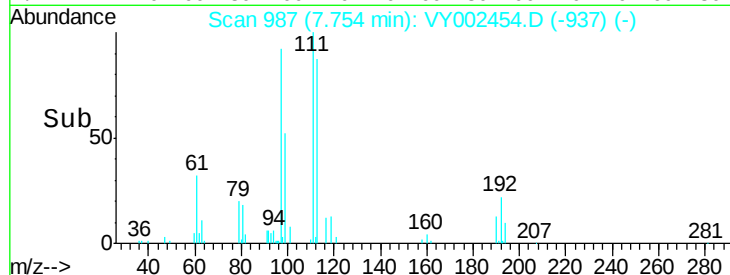
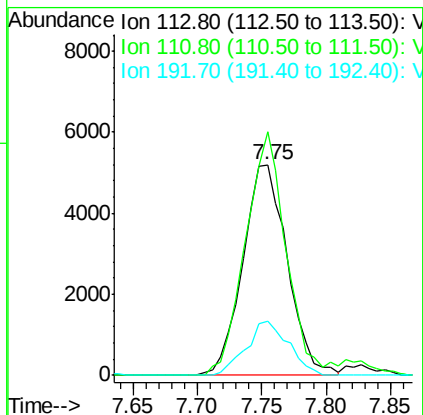
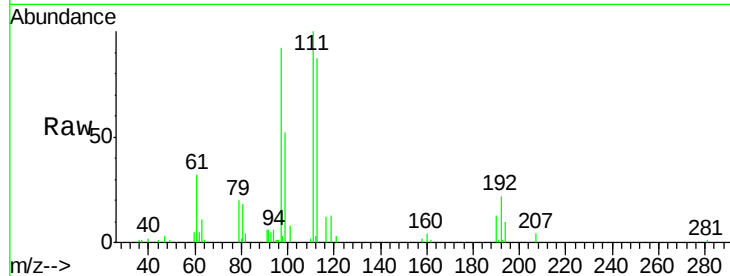
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	12445
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.0	121.4
192	24.4	18.6	27.8

Manual Integrations
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4/24/2020 1:33:21 PM



#36

1,1-Dichloropropene

Concen: 5.232 ug/l

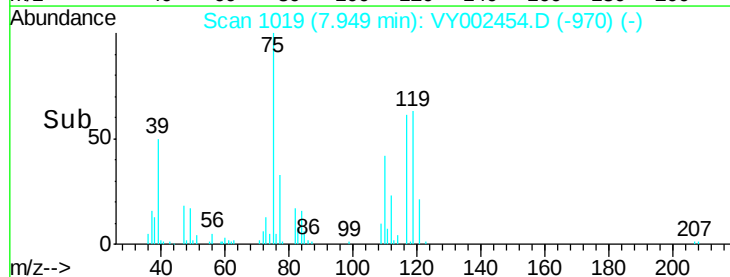
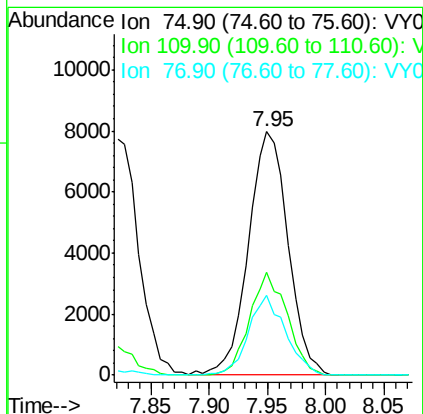
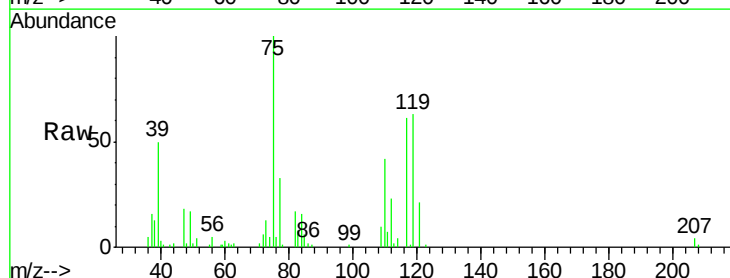
RT: 7.95 min Scan# 1019

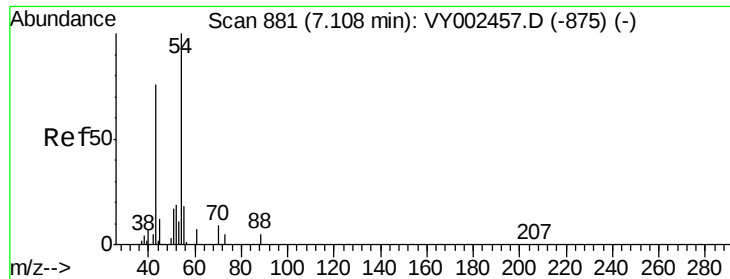
Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	75	Resp:	18869
Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.4	58.4
77	30.4	24.7	37.1





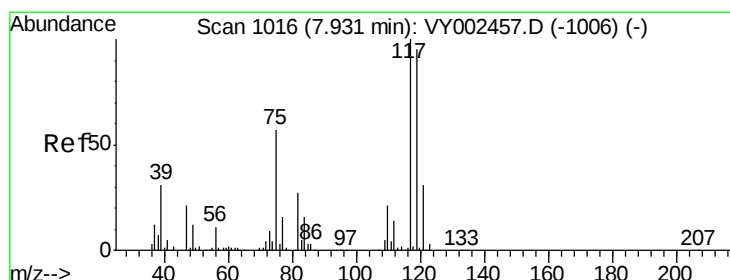
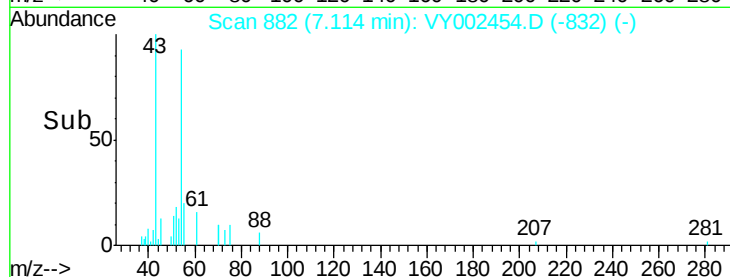
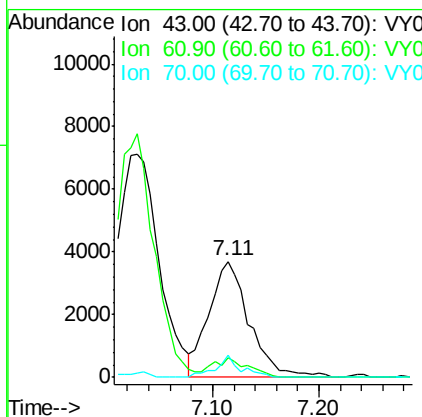
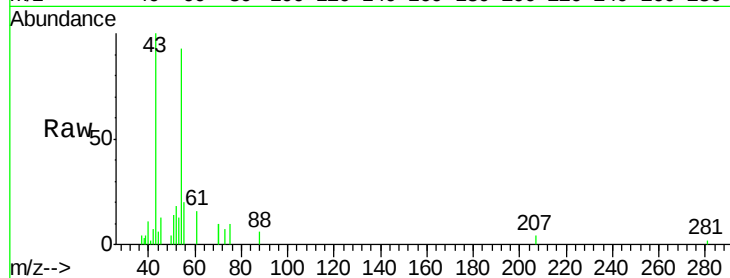
#37
Ethyl Acetate
Concen: 5.495 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	11.6	9.3	13.9

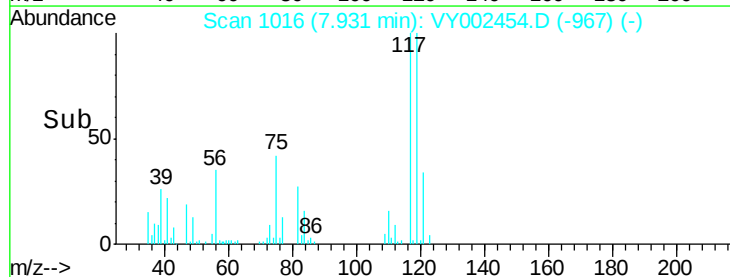
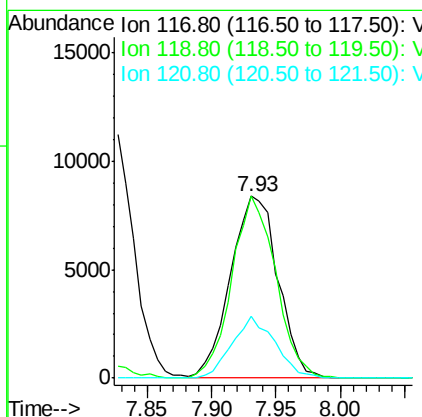
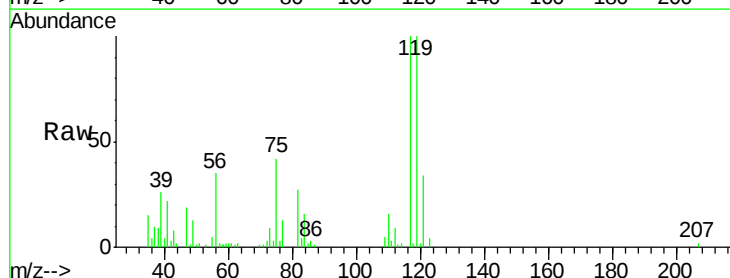
Manual Integrations
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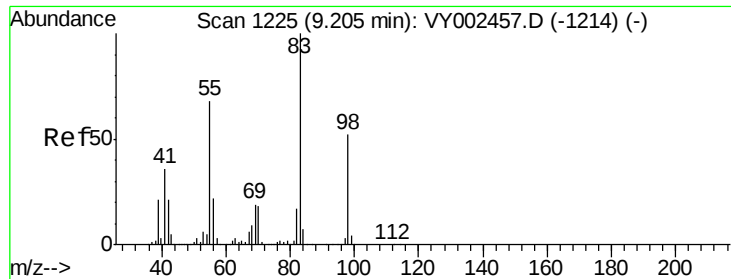
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#38
Carbon Tetrachloride
Concen: 5.213 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	75.9	113.9
121	33.9	24.5	36.7





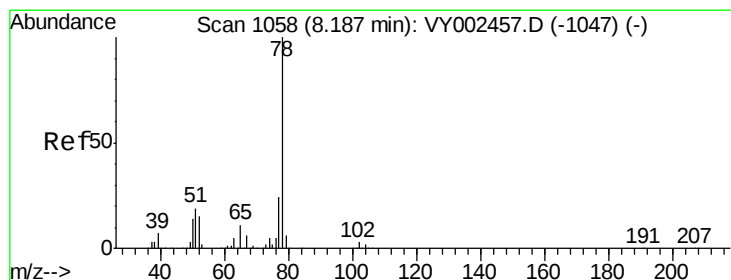
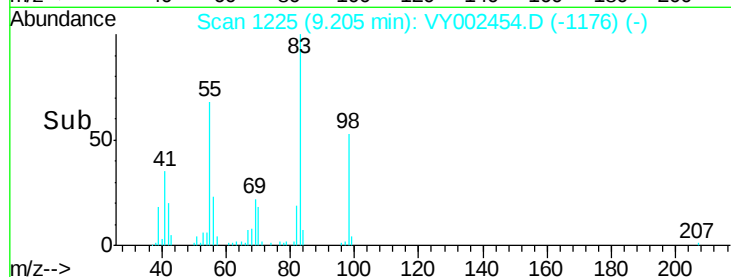
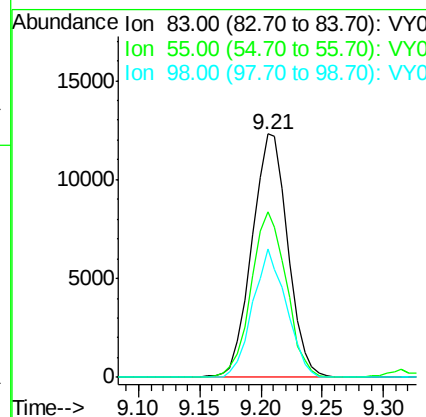
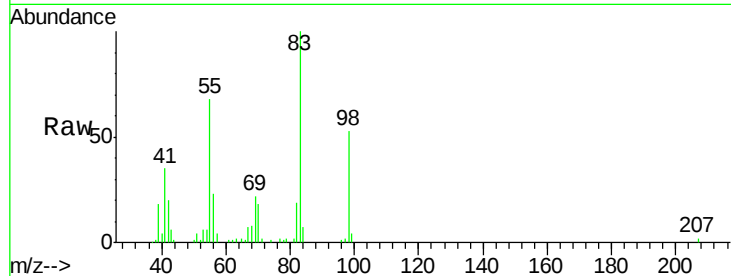
#39
Methvlcvclohexane
Concen: 5.364 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	54.2	81.2
98	52.6	41.9	62.9

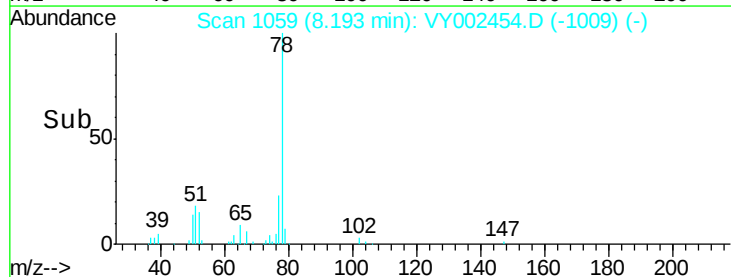
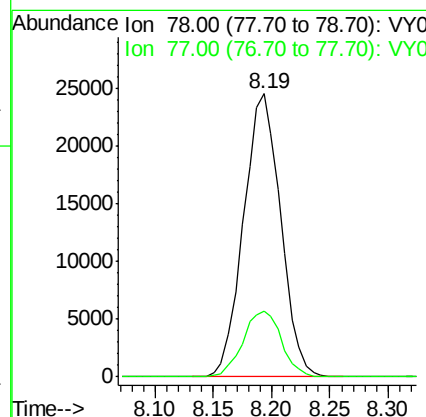
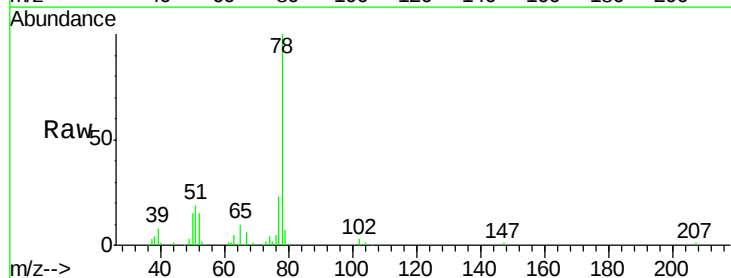
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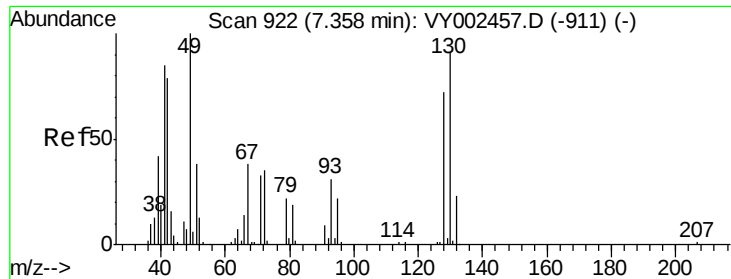
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#40
Benzene
Concen: 5.250 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.4	29.0





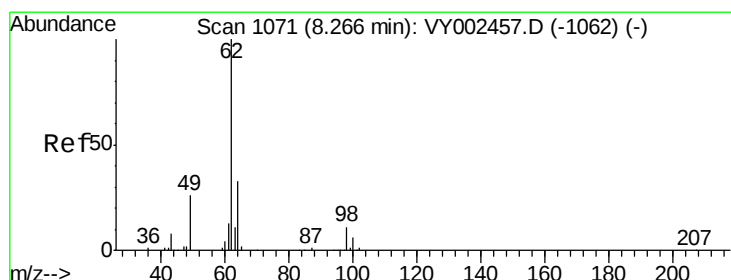
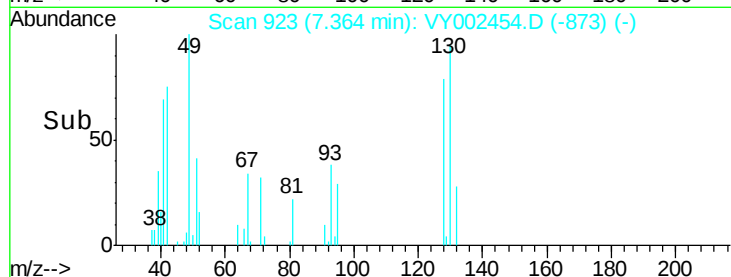
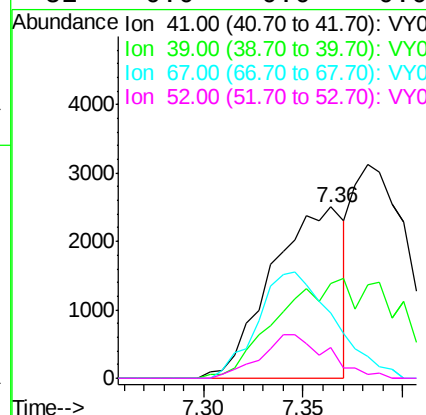
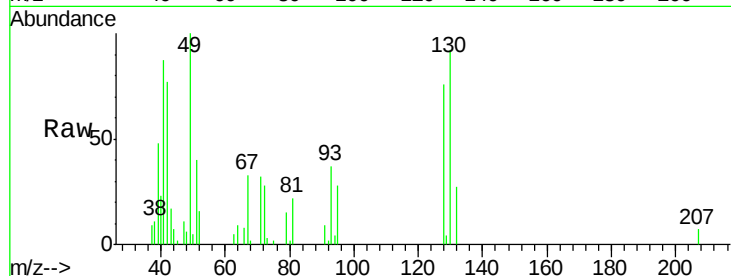
#41
Methacrylonitrile
Concen: 2.969 ug/l m
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6358
Ion	Ratio	Lower	Upper
41	100		
39	60.3	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

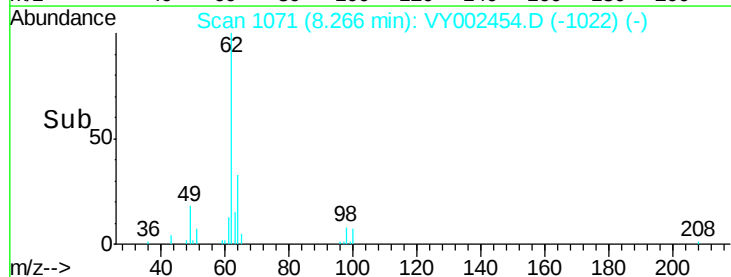
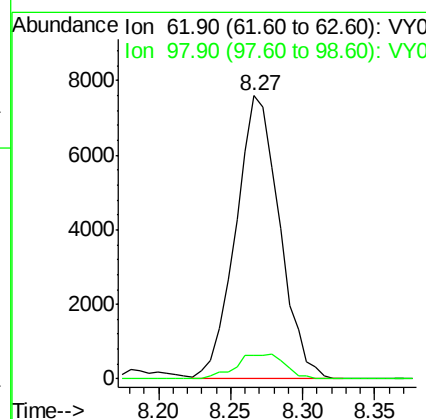
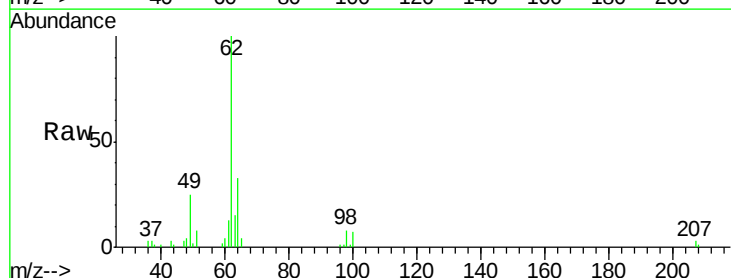
Manual Integrations
APPROVED

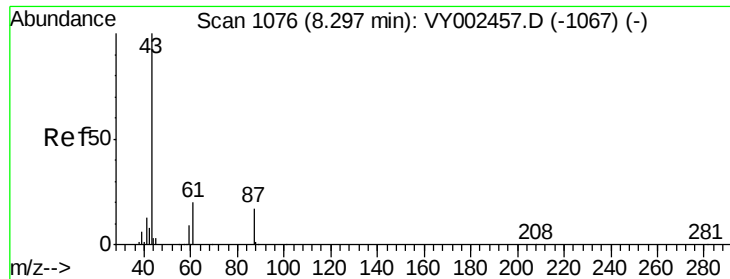
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.321 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion:	62	Resp:	16031
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





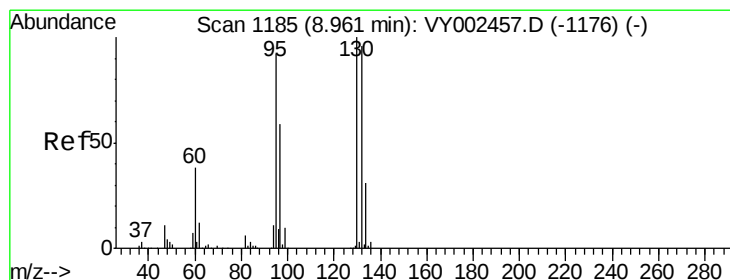
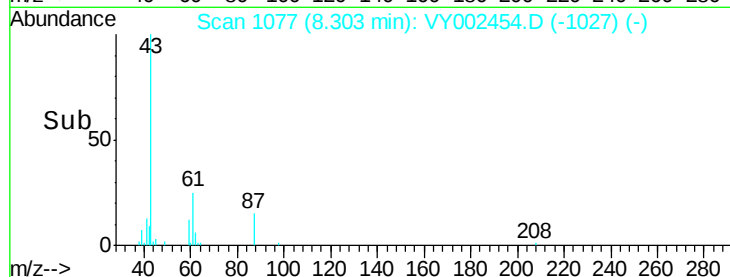
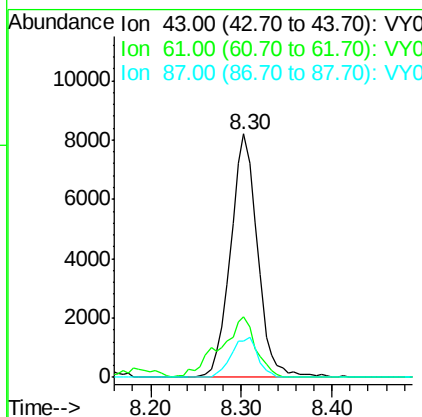
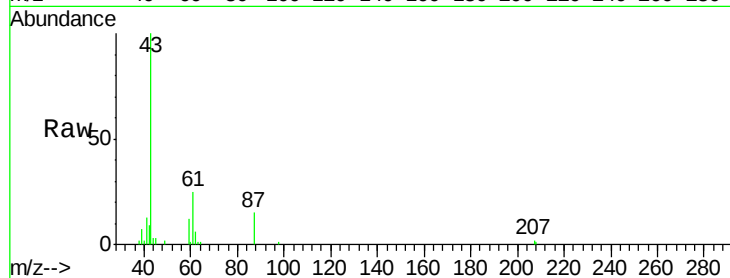
#43
Isopropyl Acetate
Concen: 5.098 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.0	37.4
87	16.0	13.0	19.4

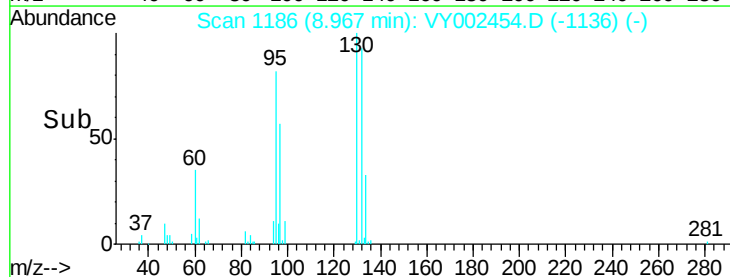
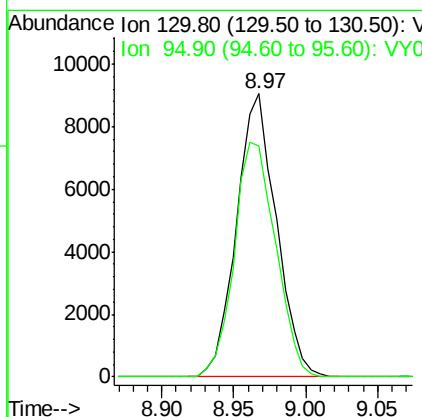
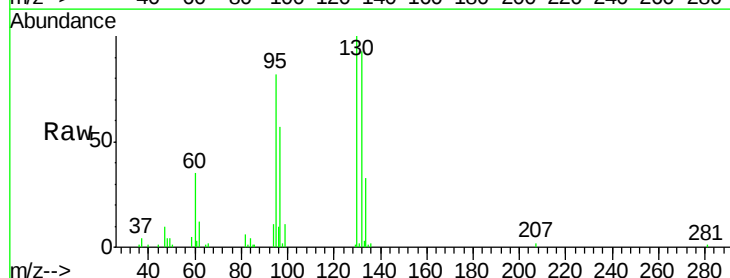
Manual Integrations
APPROVED

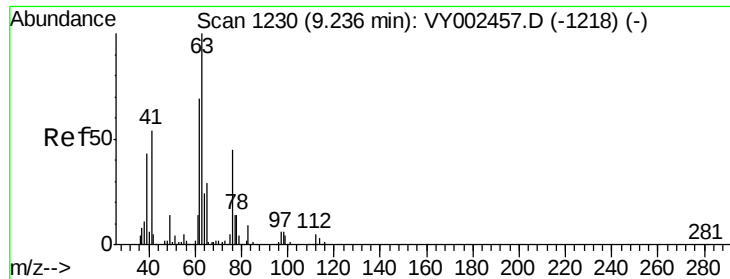
MMDadoda
4/24/2020 1:33:21 PM



#44
Trichloroethene
Concen: 5.326 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 5.184 ug/l

RT: 9.24 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 12450

Ion Ratio Lower Upper

63 100

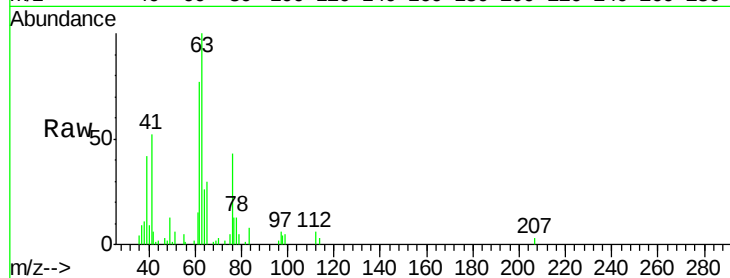
65 29.8 23.4 35.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.24

6000

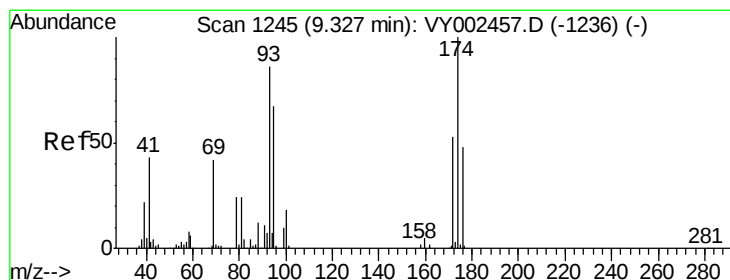
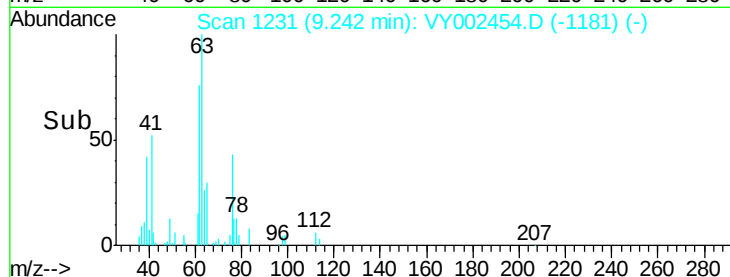
4000

2000

0

9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 5.048 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

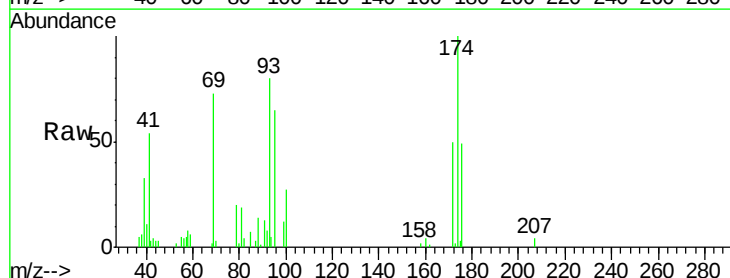
Tgt Ion: 93 Resp: 7036

Ion Ratio Lower Upper

93 100

95 85.5 65.4 98.0

174 124.8 94.8 142.2



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

9.33

6000

5000

4000

3000

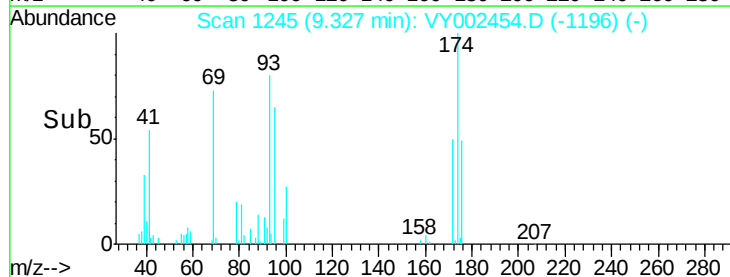
2000

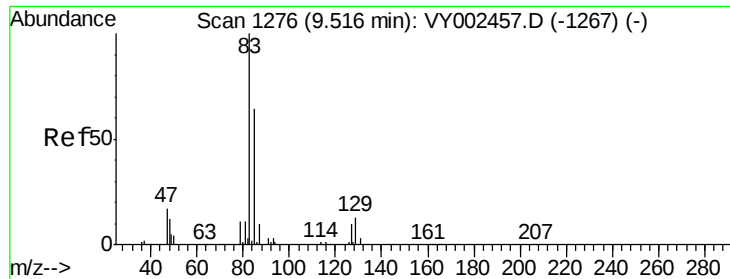
1000

0

9.25 9.30 9.35 9.40

Time-->





#47

Bromodichloromethane

Concen: 5.021 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

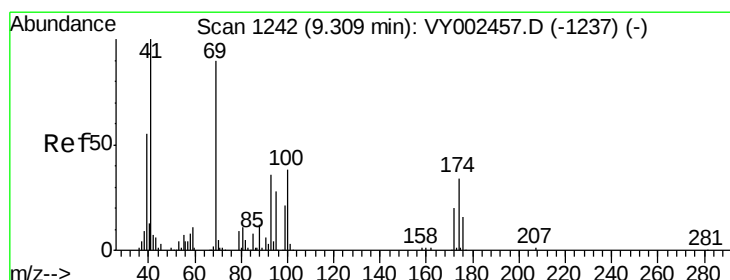
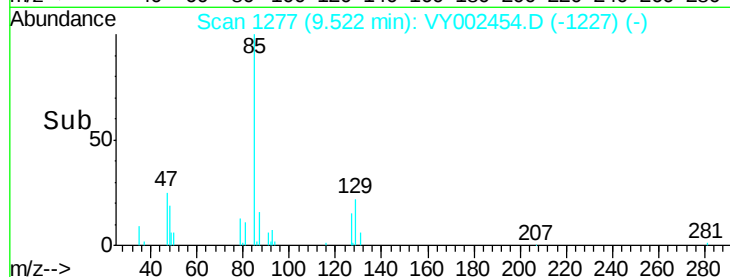
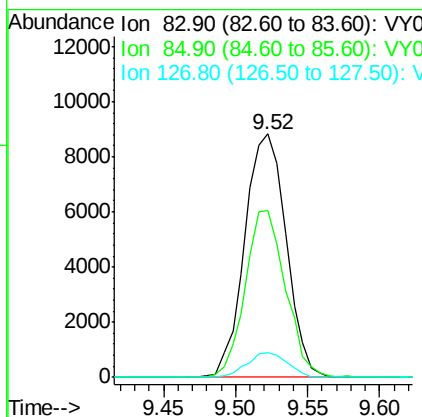
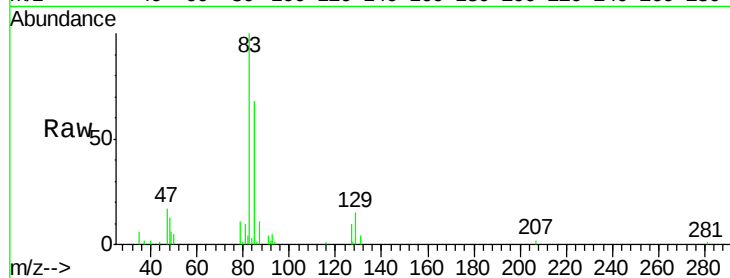
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17542
Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.2	76.8
127	10.3	7.7	11.5

Manual Integrations
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MMDadoda
4/24/2020 1:33:21 PM



#48

Methyl methacrylate

Concen: 5.094 ug/l

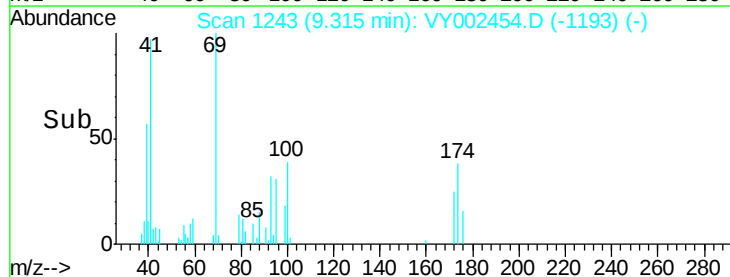
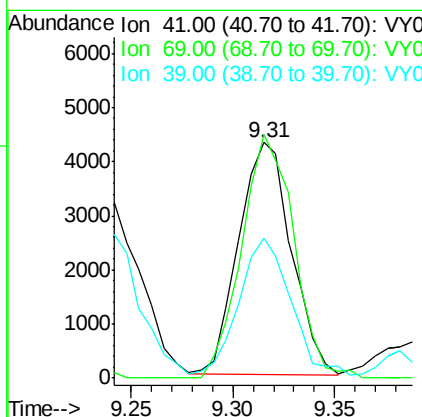
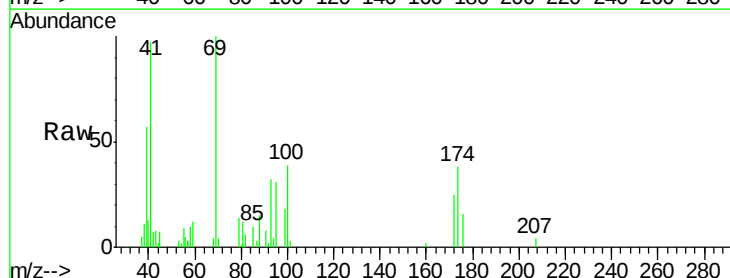
RT: 9.31 min Scan# 1243

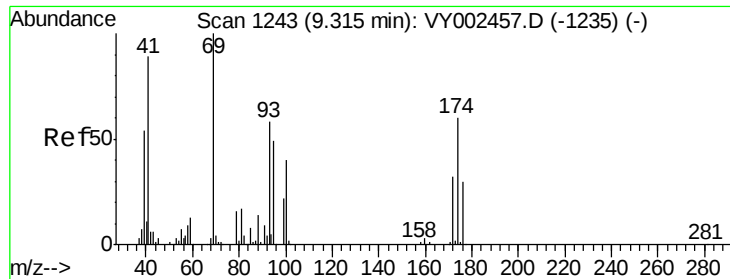
Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	41	Resp:	7703
Ion	Ratio	Lower	Upper
41	100		
69	104.1	77.9	116.9
39	58.2	47.9	71.9





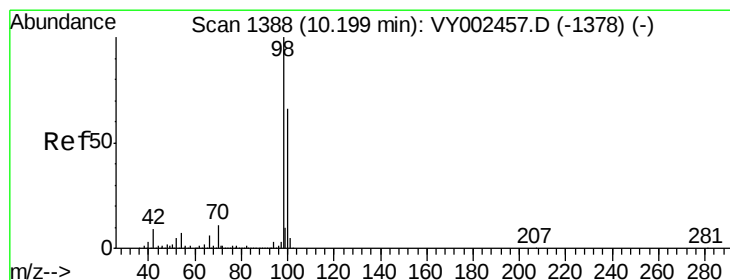
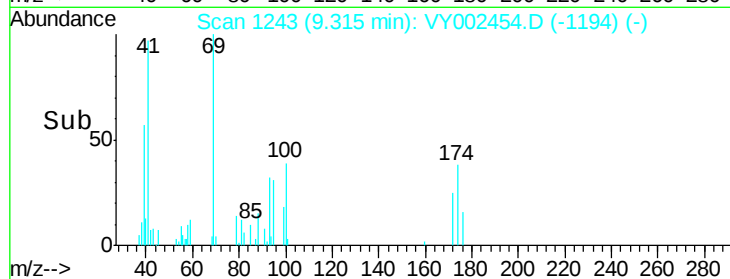
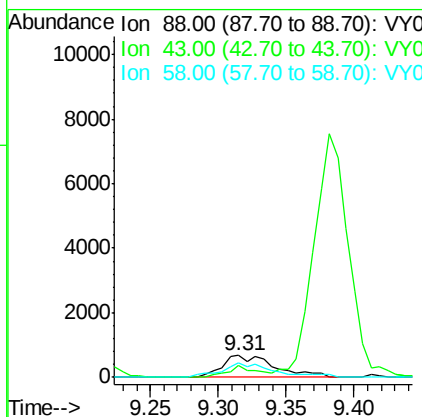
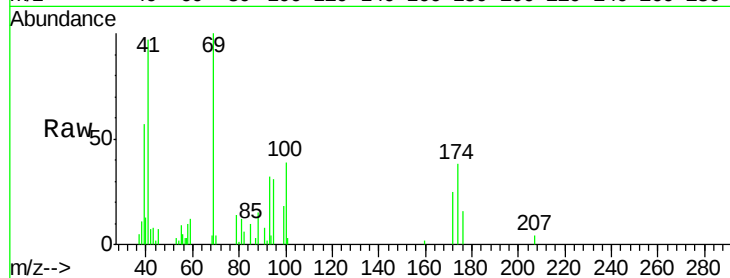
#49
1,4-Dioxane
Concen: 105.112 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	1843
Ion Ratio	Lower	Upper	
88	100		
43	29.1	22.9	34.3
58	57.1	49.5	74.3

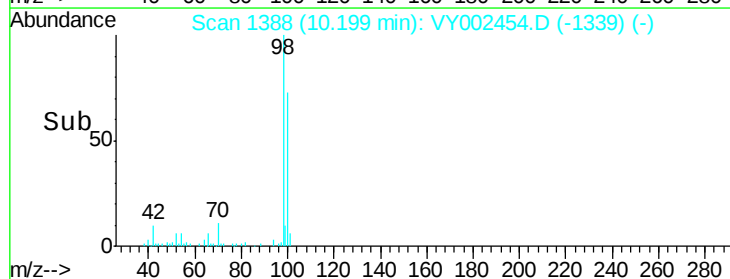
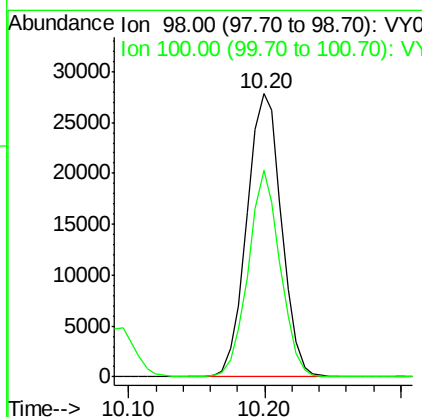
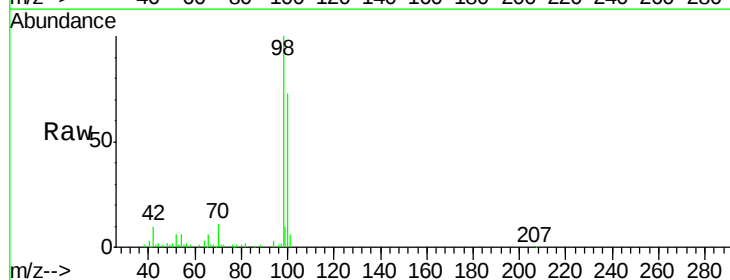
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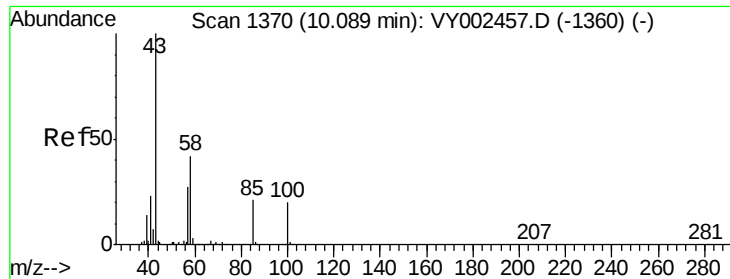
MMDadoda
4/24/2020 1:33:21 PM



#50
Toluene-d8
Concen: 5.185 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	98	Resp	49697
Ion Ratio	Lower	Upper	
98	100		
100	67.2	51.1	76.7





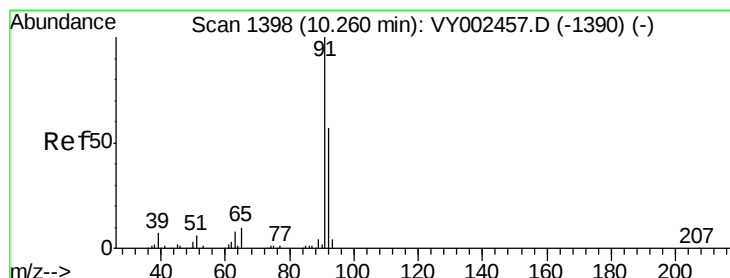
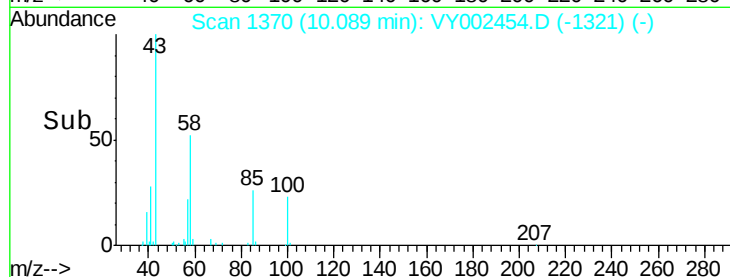
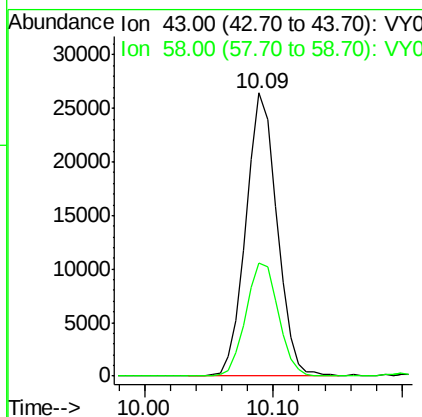
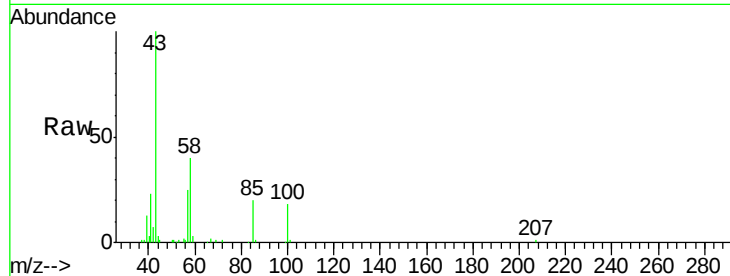
#51
4-Methyl-2-Pentanone
Concen: 25.670 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 44153
Ion Ratio Lower Upper
43 100
58 41.5 33.2 49.8

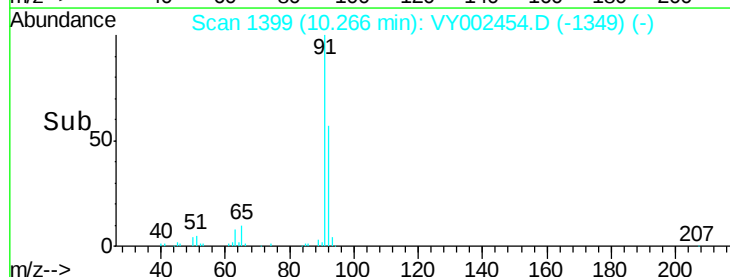
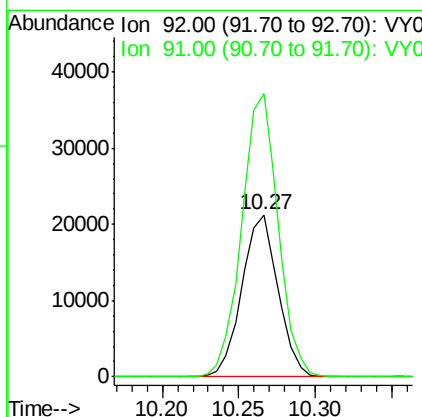
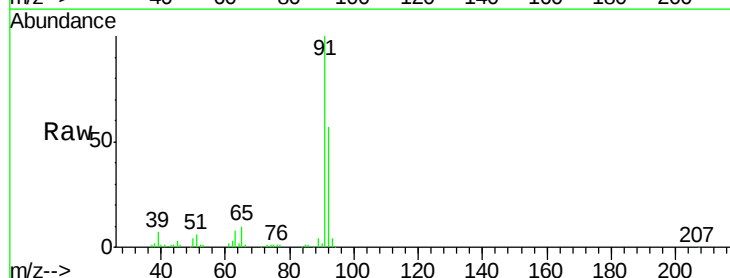
Manual Integrations
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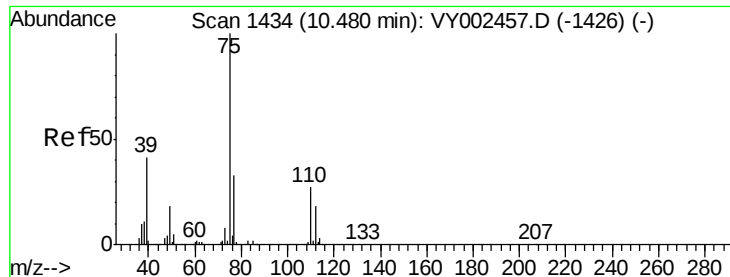
MMDadoda
4/24/2020 1:33:21 PM



#52
Toluene
Concen: 5.214 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion: 92 Resp: 34793
Ion Ratio Lower Upper
92 100
91 176.3 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 5.064 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 18400

Ion Ratio Lower Upper

75 100

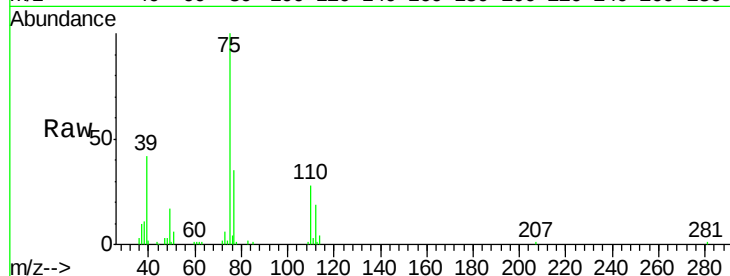
77 34.6 26.4 39.6

Manual Integrations

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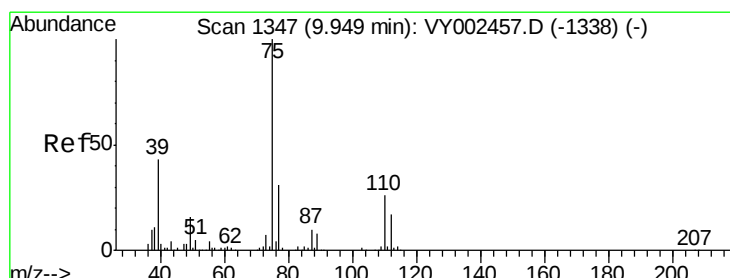
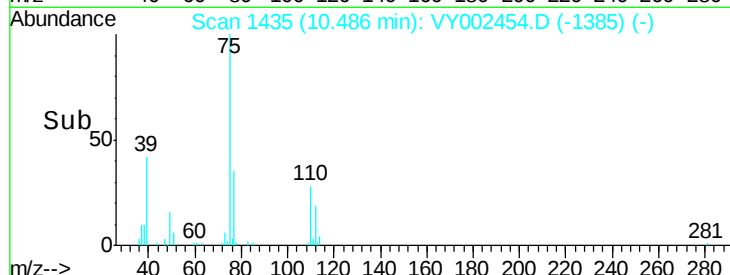
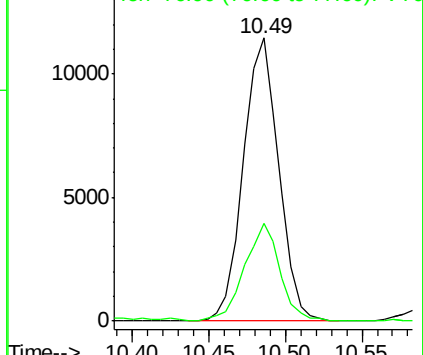
MMDadoda

4/24/2020 1:33:21 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 5.086 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

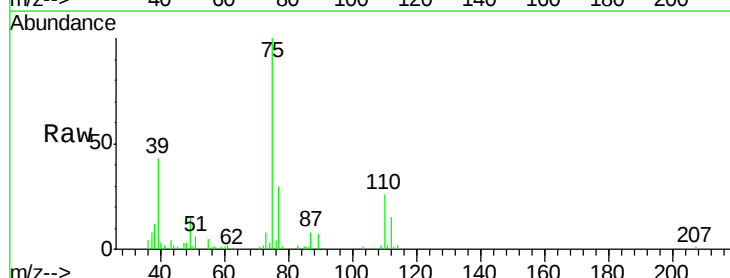
Tgt Ion: 75 Resp: 21317

Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

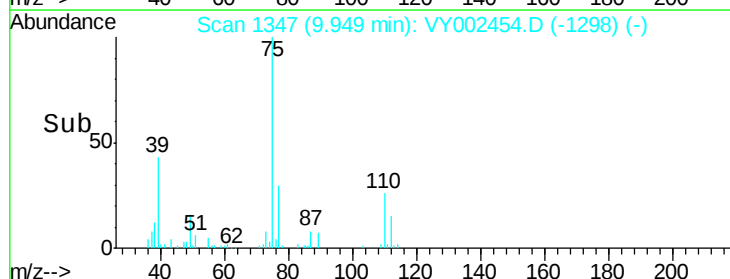
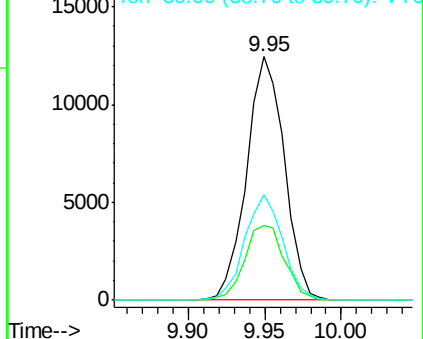
39 43.4 34.2 51.2

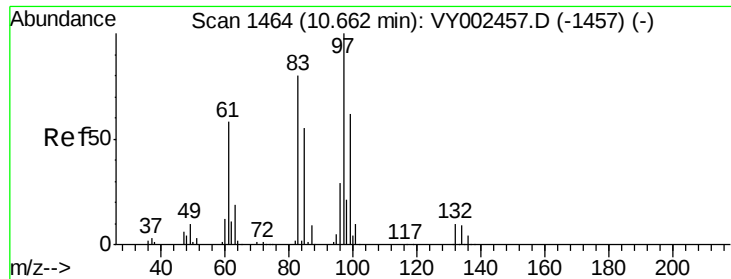


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





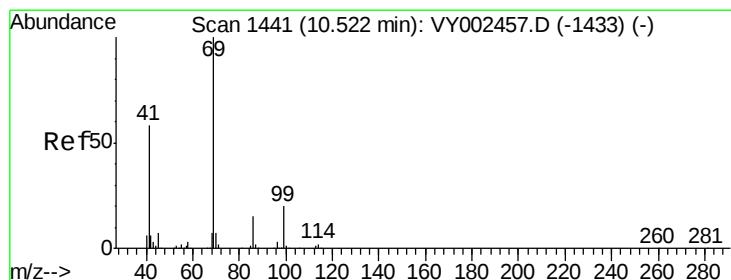
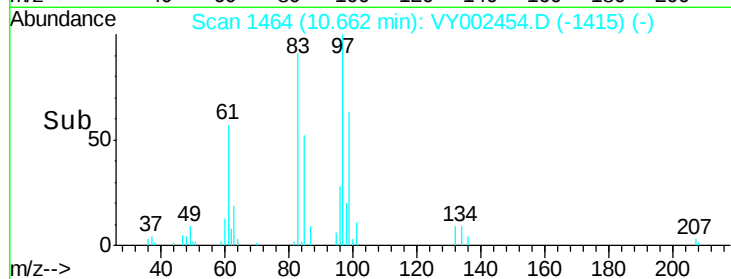
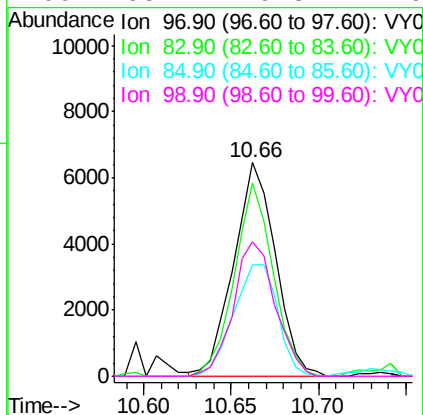
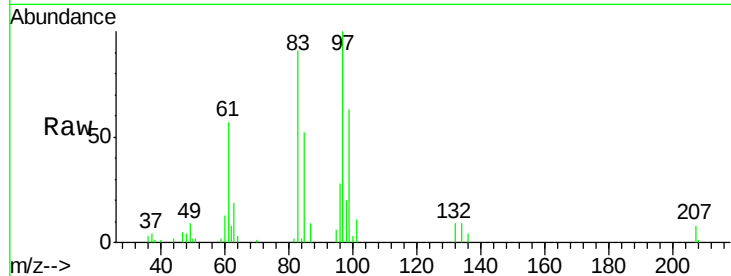
#55
 1,1,2-Trichloroethane
 Concen: 5.200 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10733
Ion	Ratio	Lower	Upper
97	100		
83	90.6	63.8	95.8
85	52.1	43.9	65.9
99	63.2	49.8	74.6

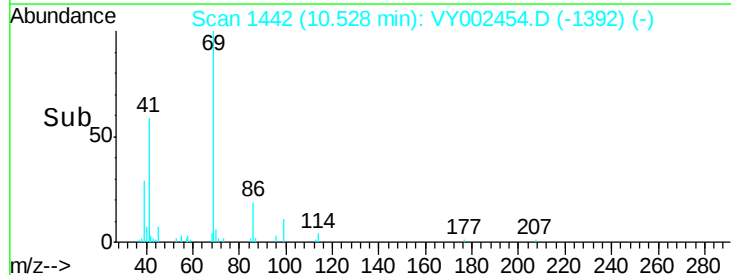
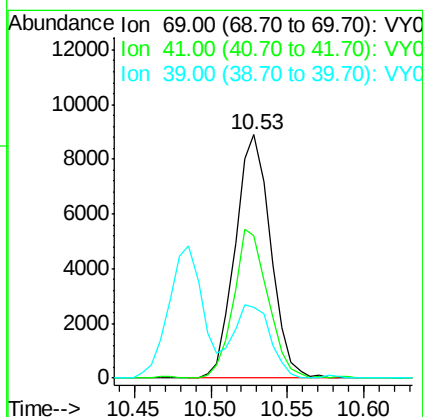
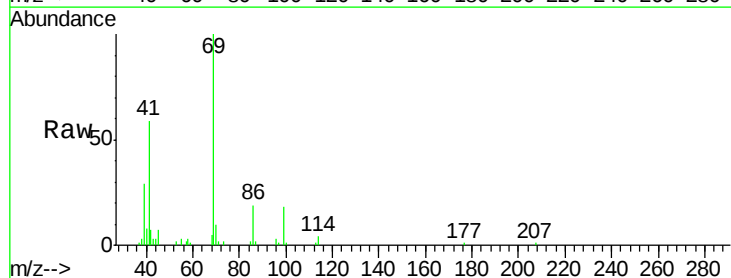
Manual Integrations
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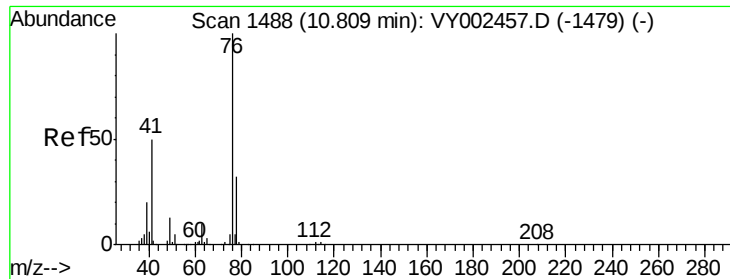
MMDadoda
 4/24/2020 1:33:21 PM



#56
 Ethyl methacrylate
 Concen: 5.116 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Tgt Ion:	69	Resp:	14277
Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.5	71.3
39	31.8	25.7	38.5





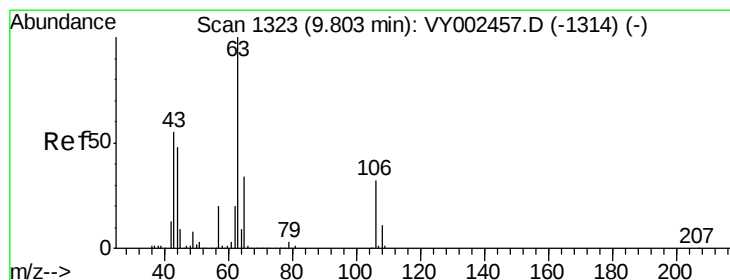
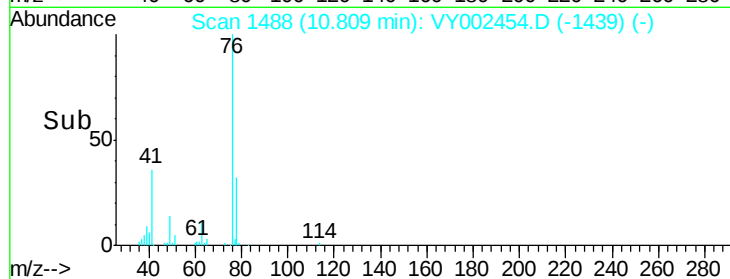
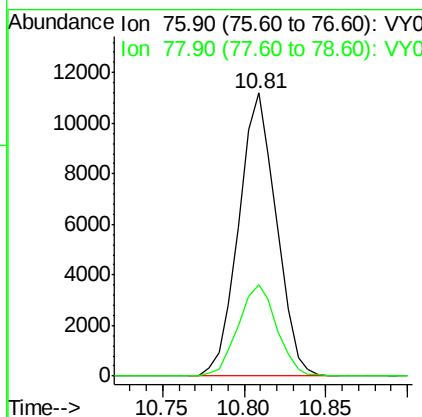
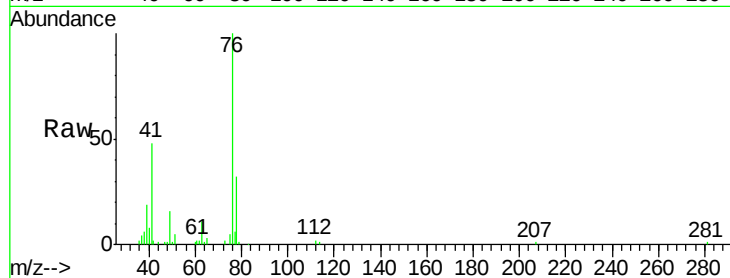
#57
 1,3-Dichloropropane
 Concen: 5.158 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.4

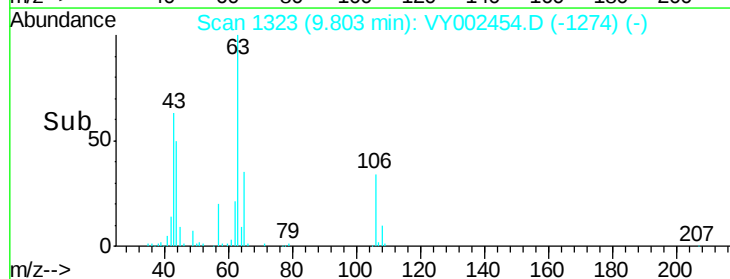
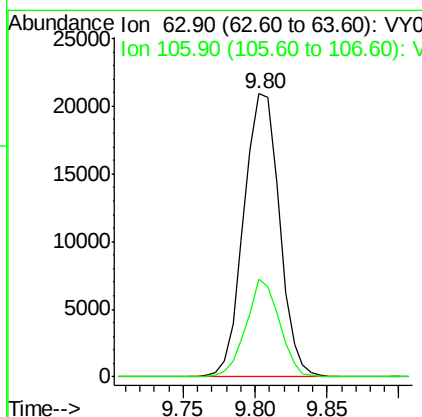
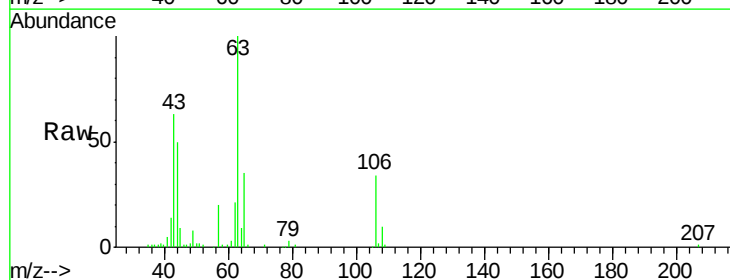
Manual Integrations
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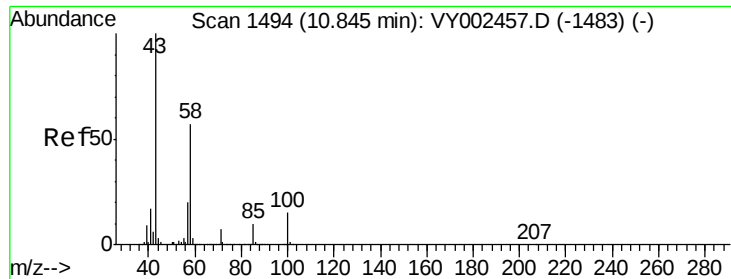
MMDadoda
 4/24/2020 1:33:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.350 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	26.0	39.0





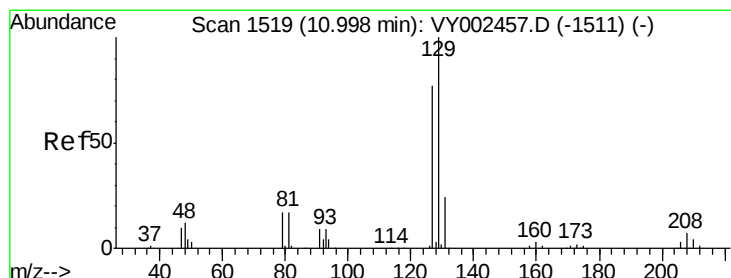
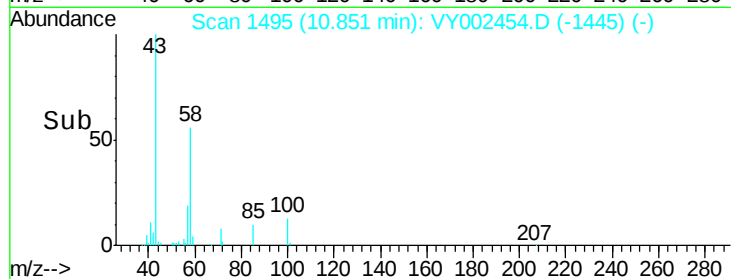
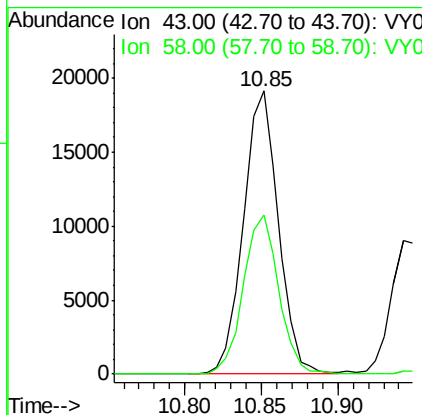
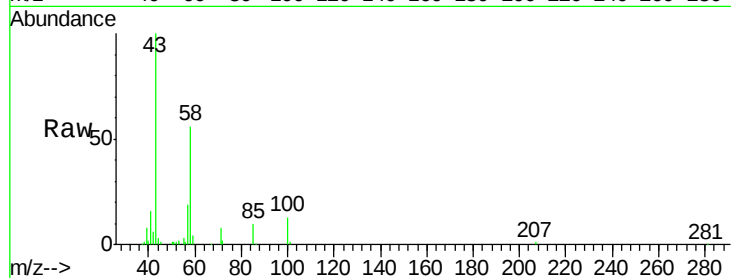
#59
2-Hexanone
Concen: 25.535 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30388
Ion Ratio Lower Upper
43 100
58 56.8 28.8 86.4

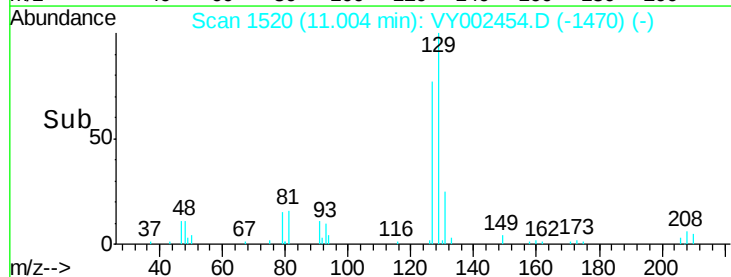
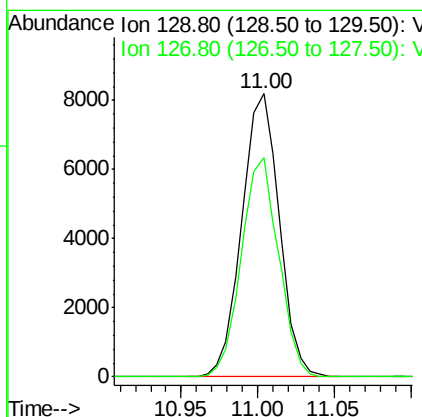
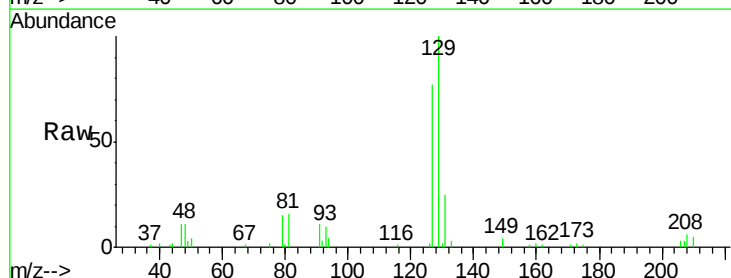
Manual Integrations
APPROVED

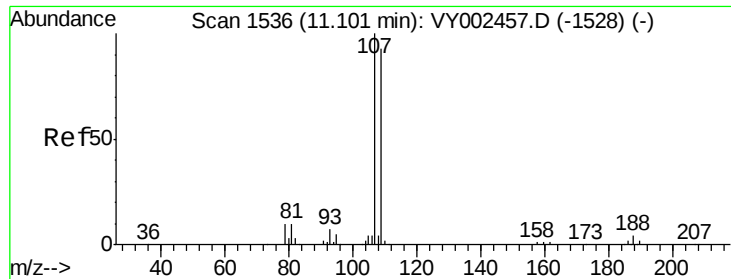
MMDadoda
4/24/2020 1:33:21 PM



#60
Dibromochloromethane
Concen: 5.194 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion: 129 Resp: 13971
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 5.232 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 10685

Ion Ratio Lower Upper

107 100

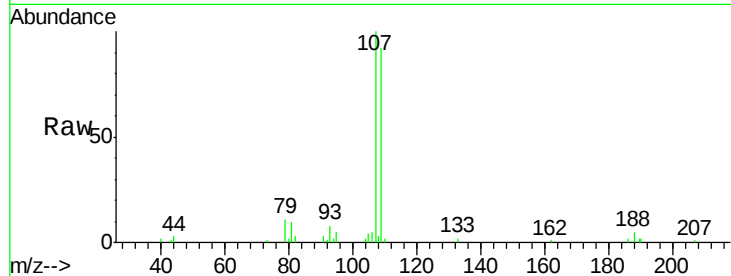
109 92.2 74.9 112.3

Manual Integrations

APPROVED

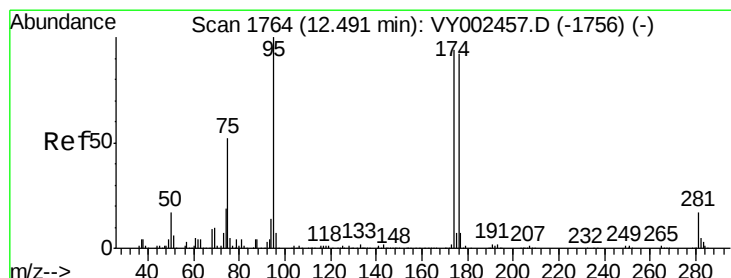
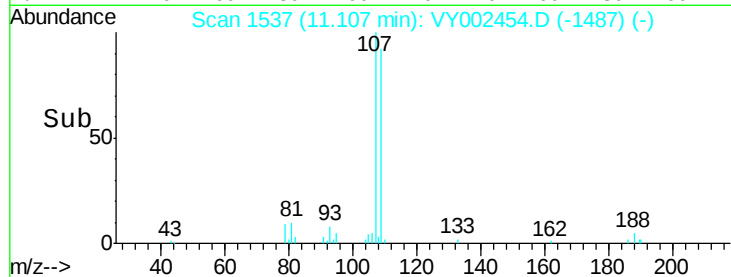
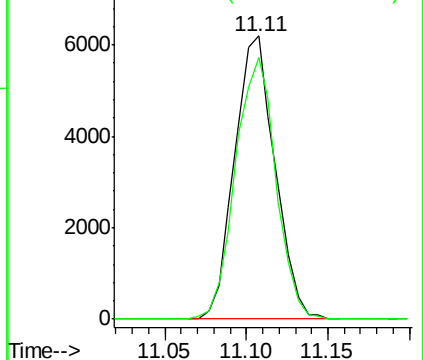
MMDadoda

4/24/2020 1:33:21 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.457 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

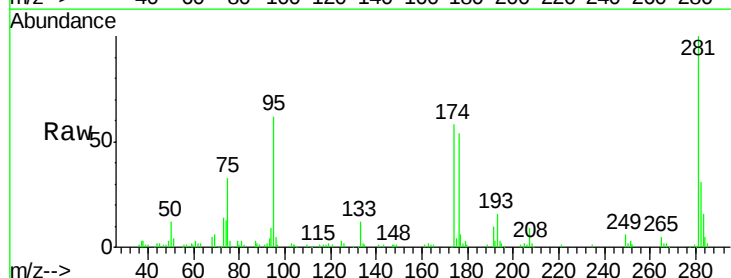
Tgt Ion: 95 Resp: 17521

Ion Ratio Lower Upper

95 100

174 95.7 0.0 193.0

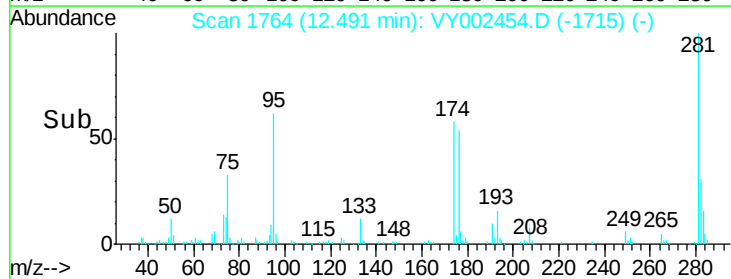
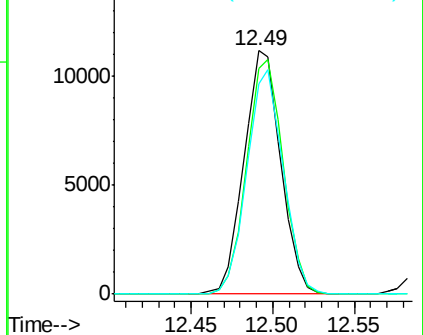
176 91.4 0.0 190.4

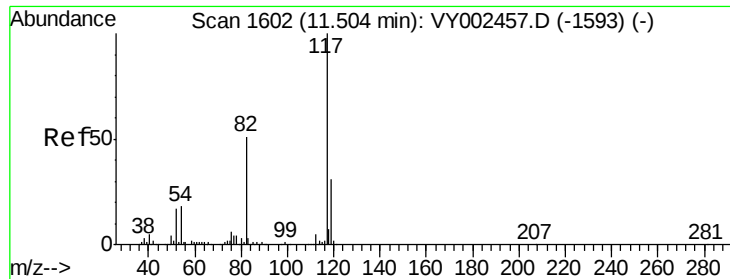


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





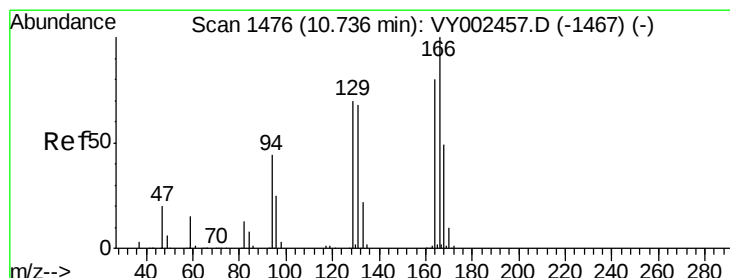
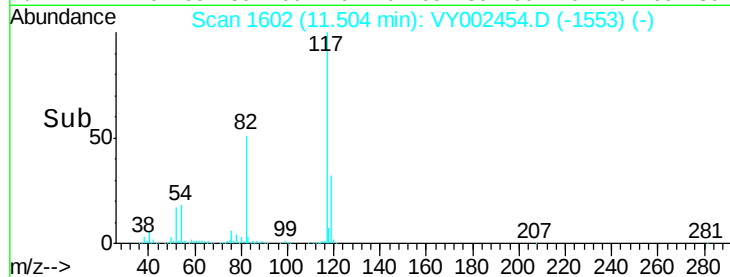
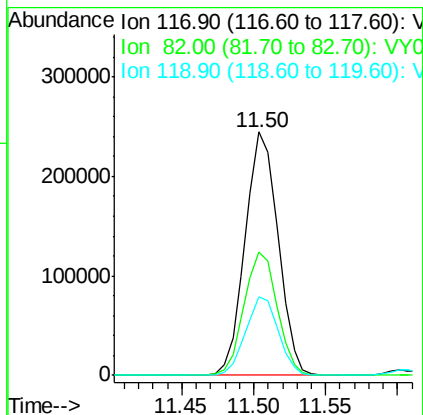
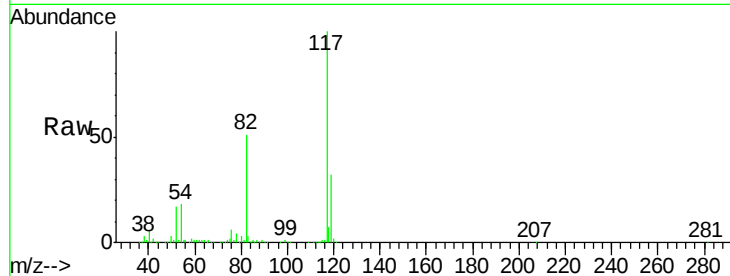
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388014		
82	50.7		40.8	61.2
119	32.3		25.2	37.8

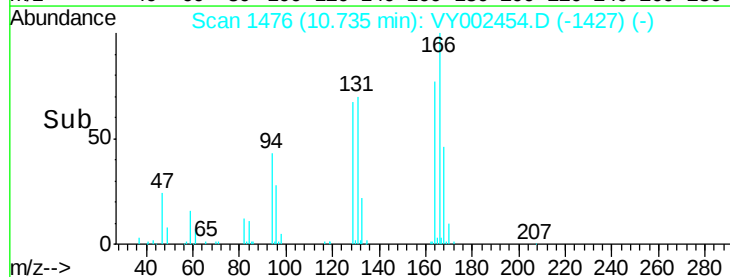
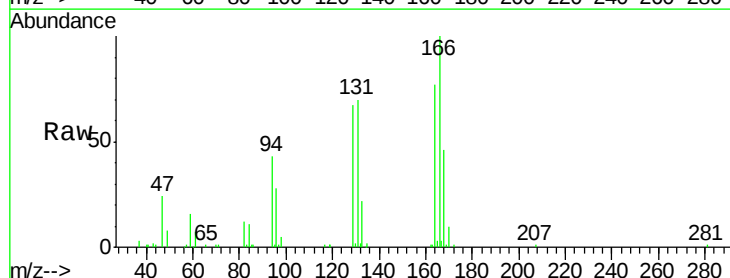
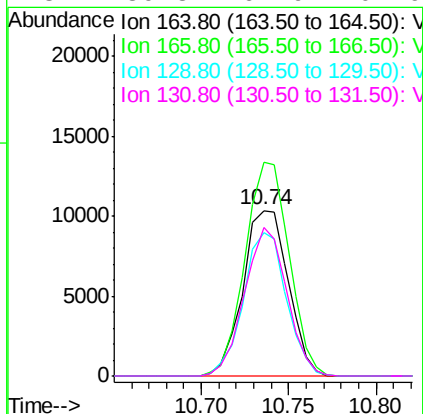
Manual Integrations
APPROVED

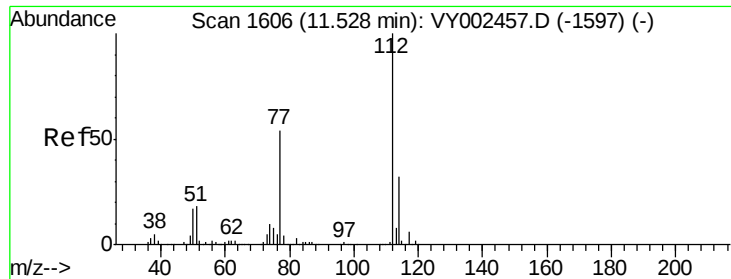
MMDadoda
4/24/2020 1:33:21 PM



#64
Tetrachloroethene
Concen: 5.221 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18628		
166	129.1		100.0	150.0
129	86.9		69.8	104.8
131	89.8		67.9	101.9





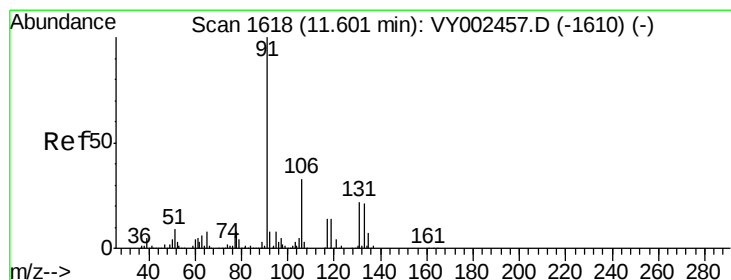
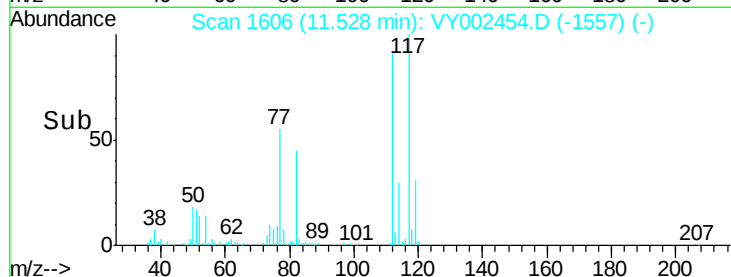
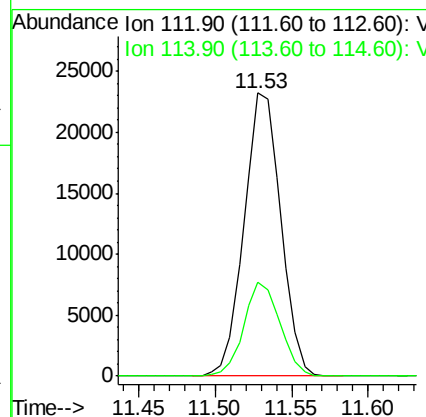
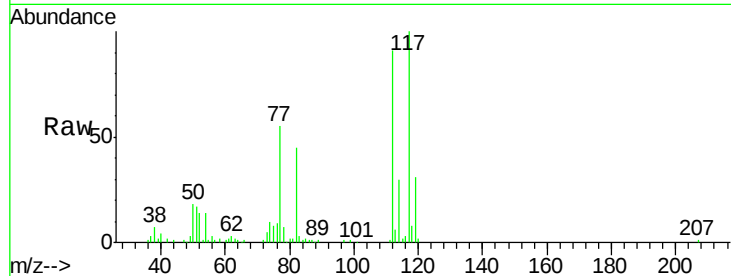
#65
Chlorobenzene
Concen: 5.164 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.7	38.5

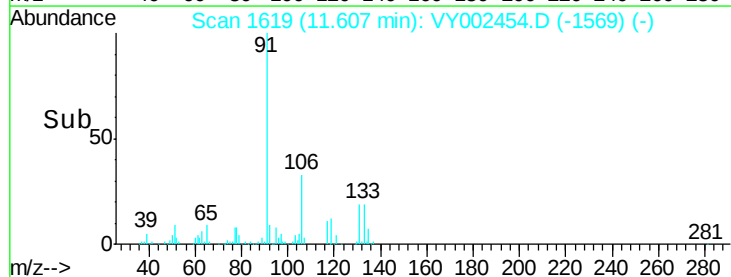
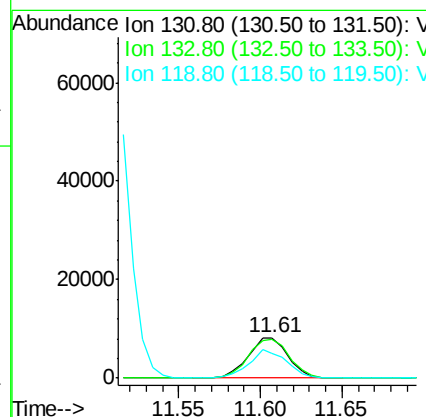
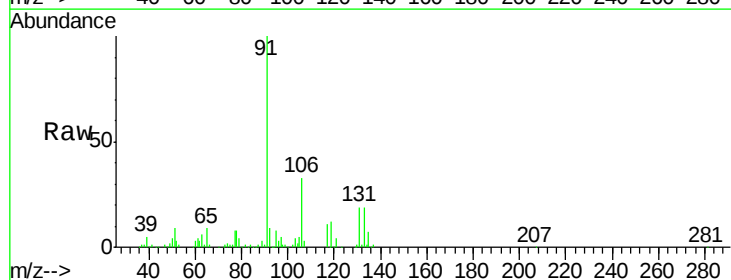
Manual Integrations
APPROVED

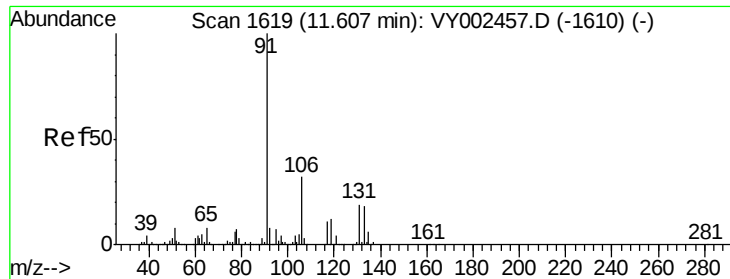
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.983 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.7	47.8	143.4
119	66.9	31.1	93.3





#67

Ethyl Benzene

Concen: 5.092 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 67540

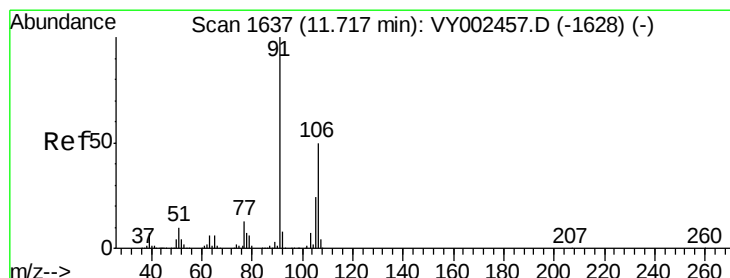
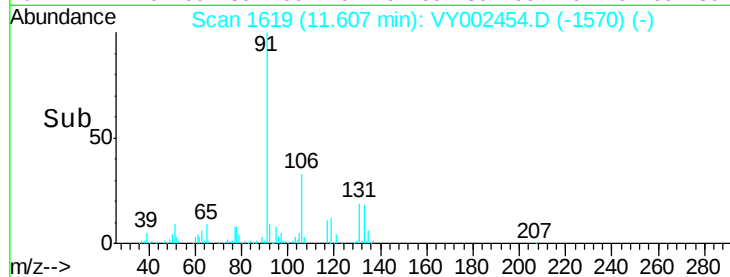
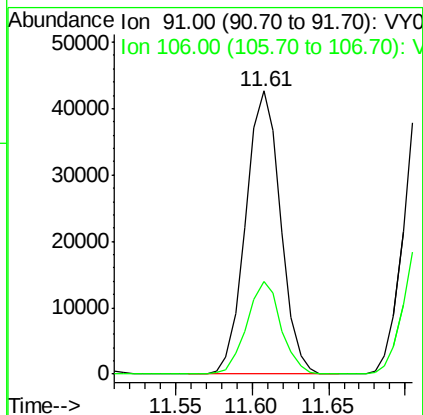
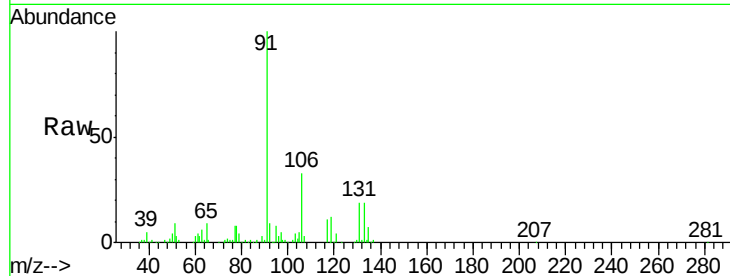
Ion Ratio Lower Upper

91 100

106 32.8 25.8 38.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 10.423 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VY002454.D

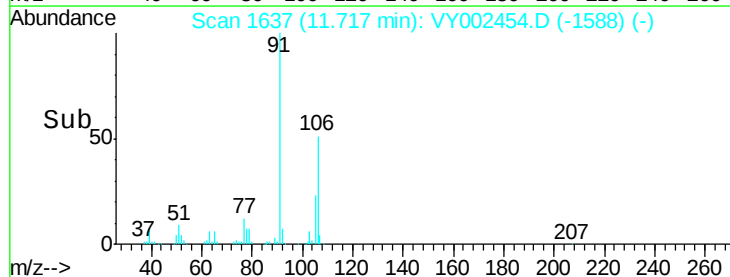
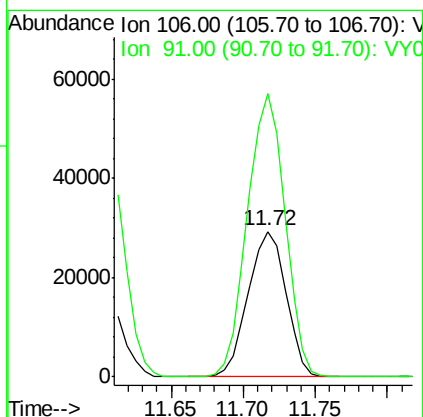
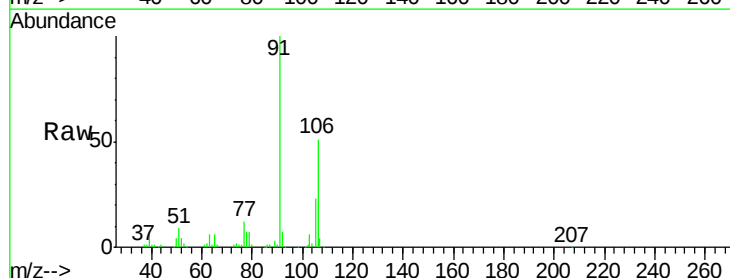
Acq: 23 Apr 2020 10:52

Tgt Ion: 106 Resp: 53254

Ion Ratio Lower Upper

106 100

91 193.6 159.8 239.6





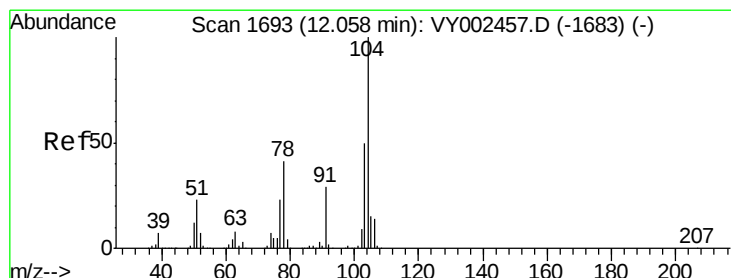
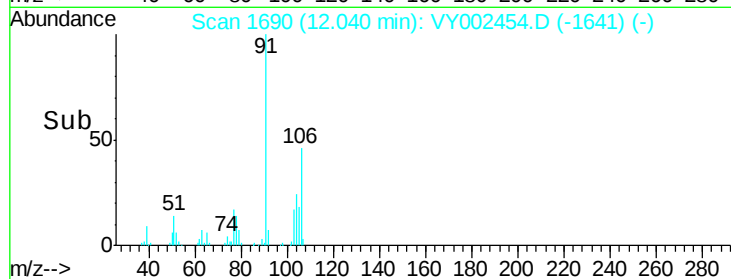
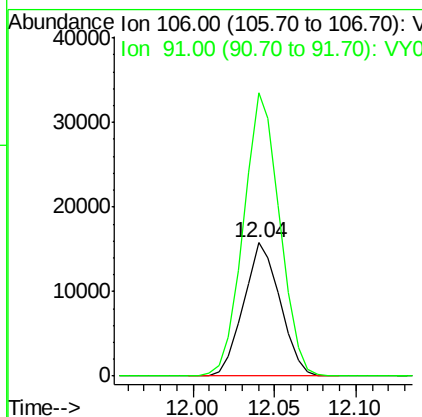
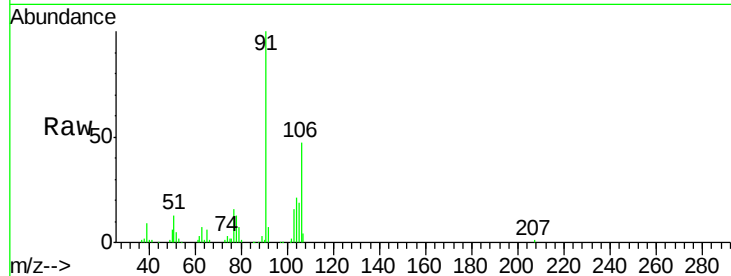
#69
o-Xylene
Concen: 5.153 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.7	104.5	313.3	

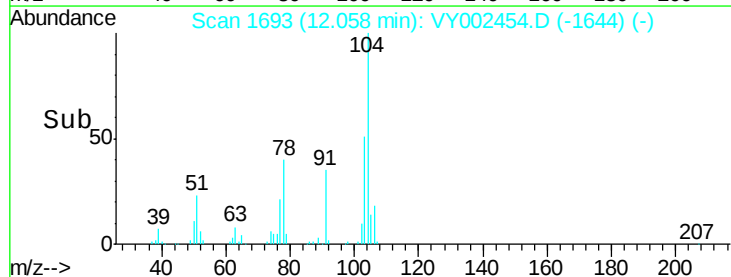
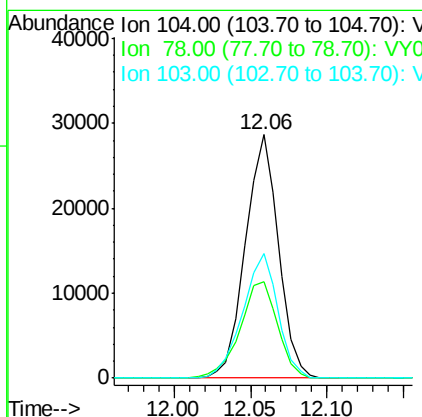
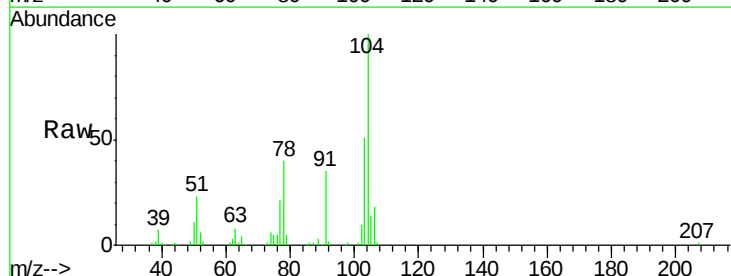
Manual Integrations
APPROVED

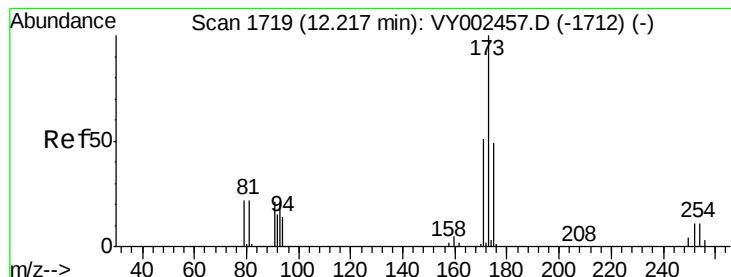
MMDadoda
4/24/2020 1:33:21 PM



#70
Styrene
Concen: 5.182 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.0	38.0	57.0	
103	54.6	44.4	66.6	





#71

Bromoform

Concen: 5.094 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8894

Ion Ratio Lower Upper

173 100

175 50.0 24.3 73.0

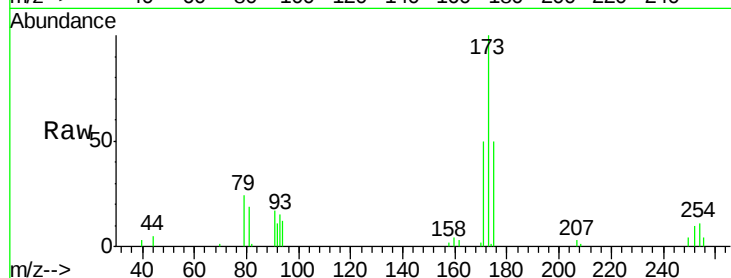
254 0.0 0.1 0.1#

Manual Integrations

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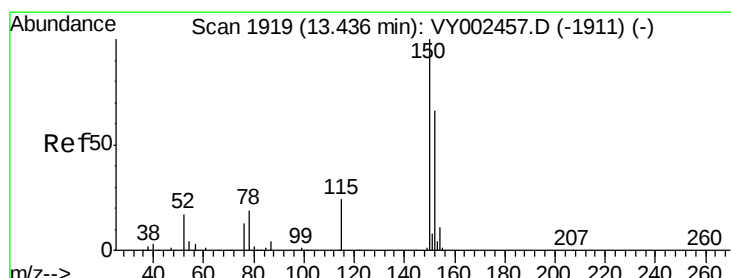
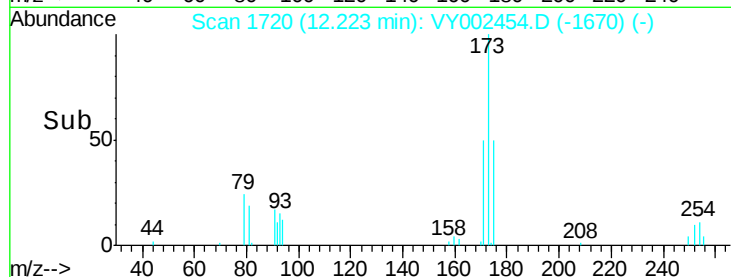
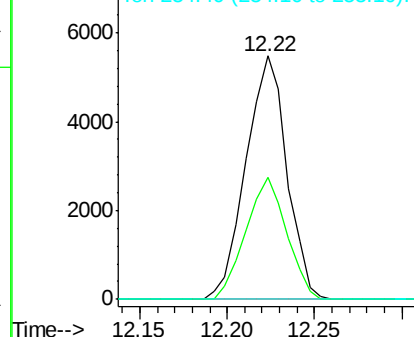
4/24/2020 1:33:21 PM



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: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

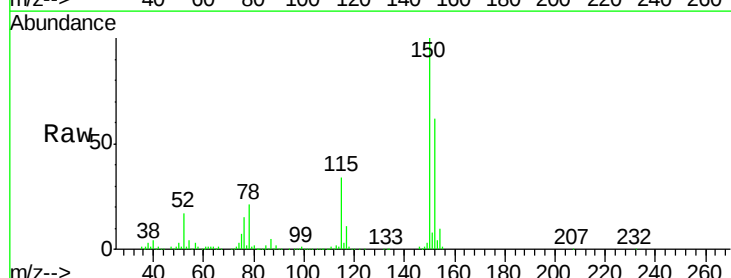
Tgt Ion:152 Resp: 206911

Ion Ratio Lower Upper

152 100

115 54.4 27.3 81.8

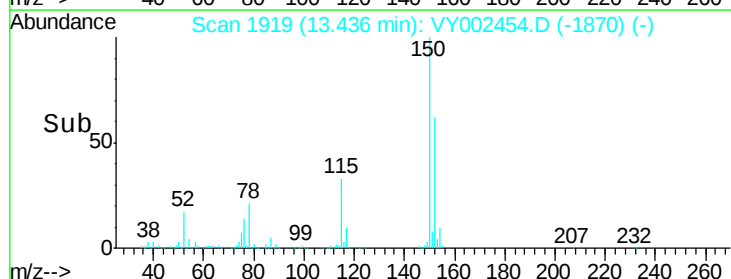
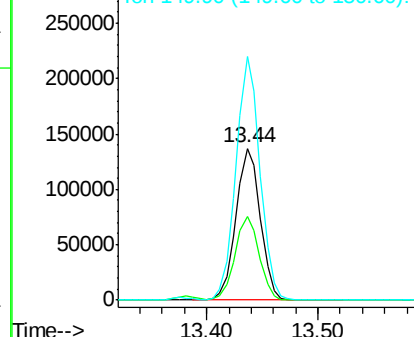
150 158.1 0.0 346.8

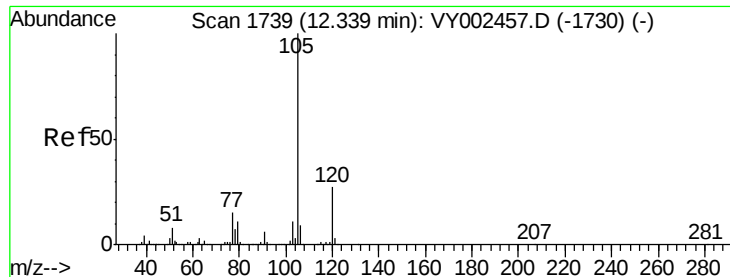


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.009 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 67184

Ion Ratio Lower Upper

105 100

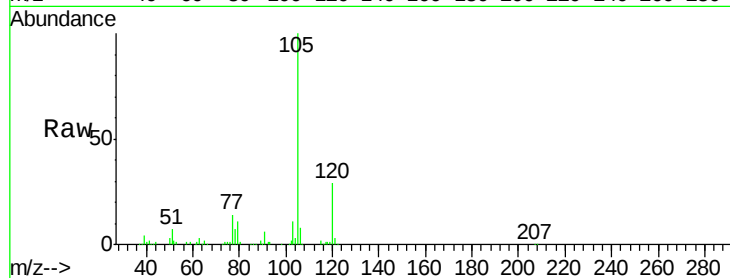
120 28.4 13.6 40.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

40000

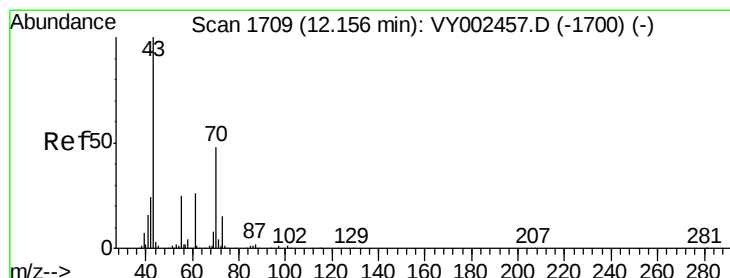
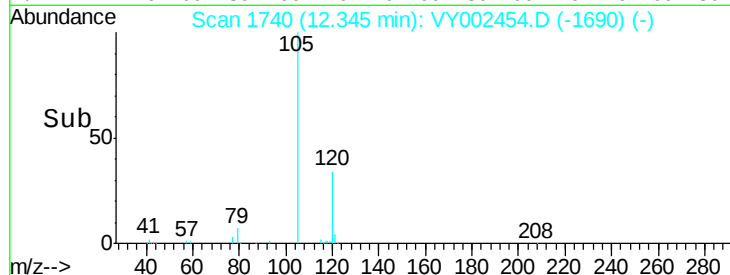
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 4.966 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion: 43 Resp: 15529

Ion Ratio Lower Upper

43 100

70 47.7 37.2 55.8

55 23.1 19.6 29.4

61 26.4 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

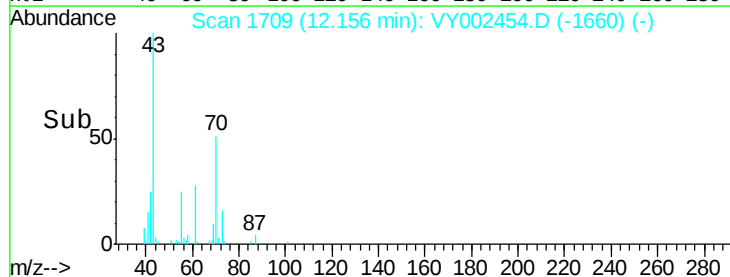
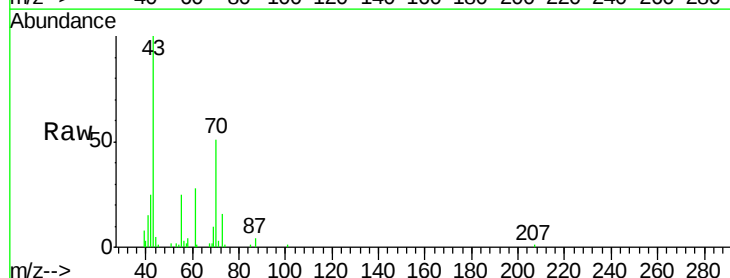
15000

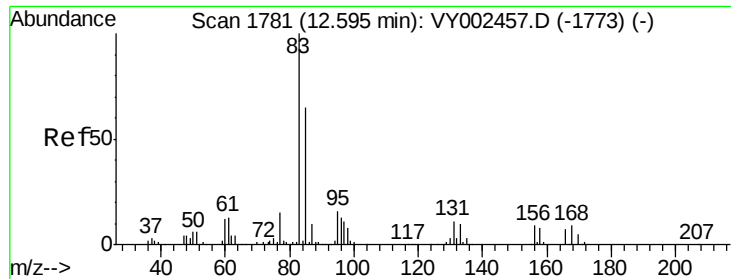
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.235 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

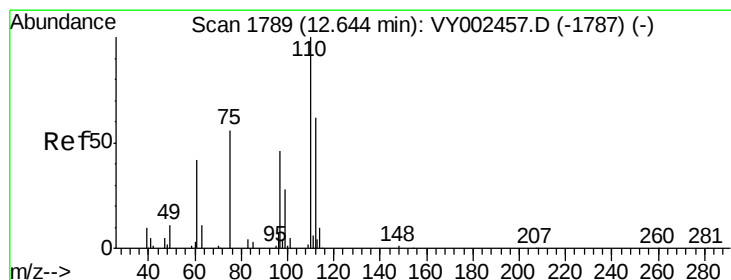
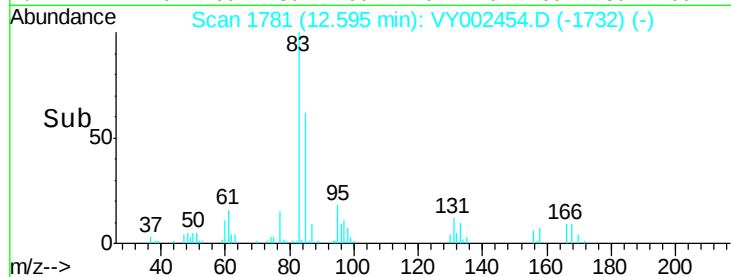
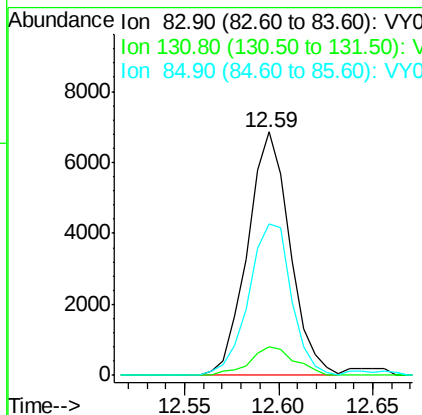
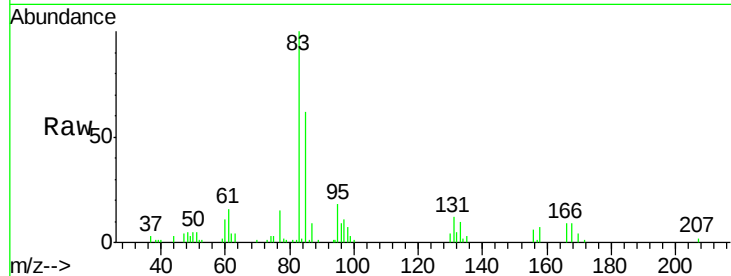
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10700
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.2	18.6
85	62.8	32.5	97.5

Manual Integrations
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4/24/2020 1:33:21 PM



#76

1,2,3-Trichloropropane

Concen: 3.120 ug/l m

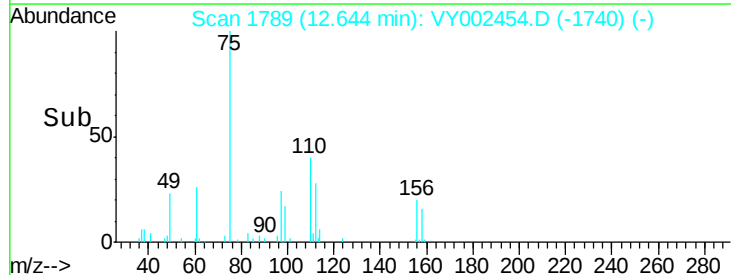
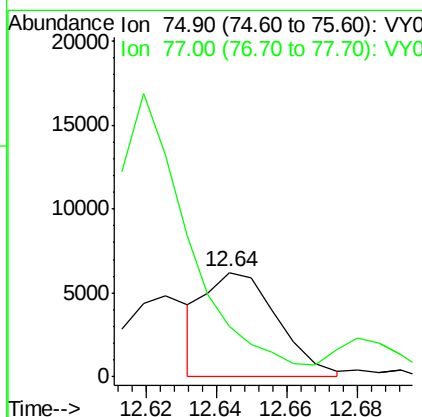
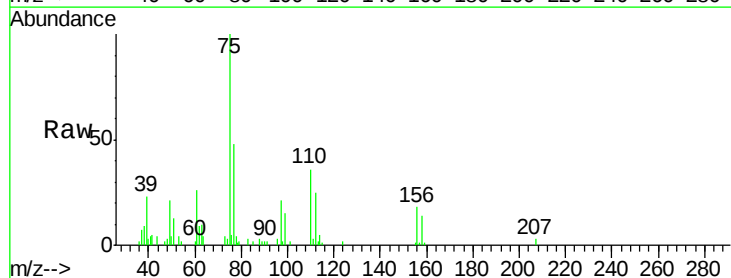
RT: 12.64 min Scan# 1789

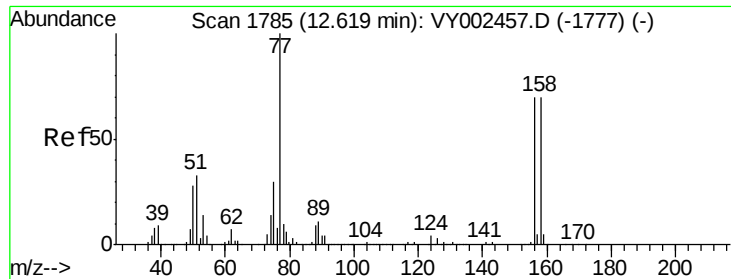
Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	75	Resp:	8913
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.112 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 17204

Ion Ratio Lower Upper

156 100

77 158.8 78.5 235.7

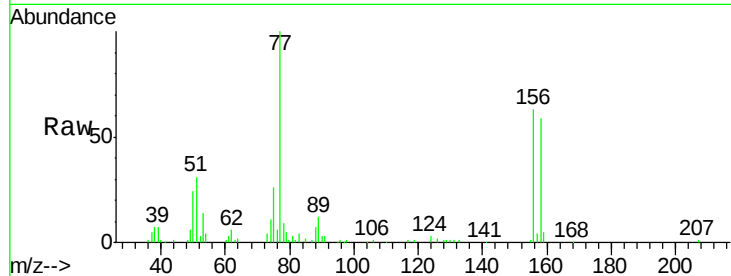
158 93.8 48.4 145.3

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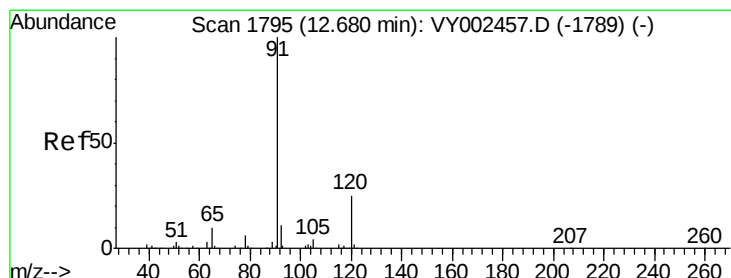
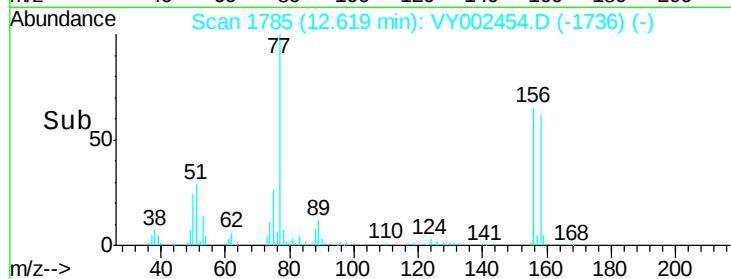
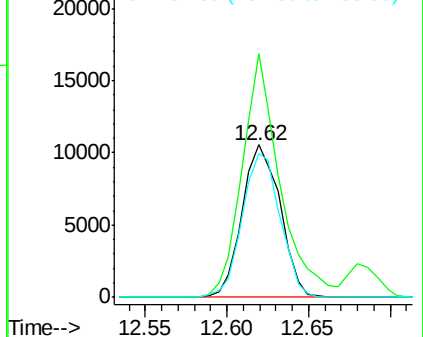
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.072 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002454.D

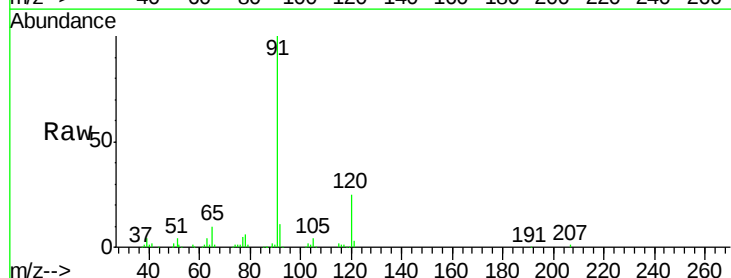
Acq: 23 Apr 2020 10:52

Tgt Ion: 91 Resp: 79195

Ion Ratio Lower Upper

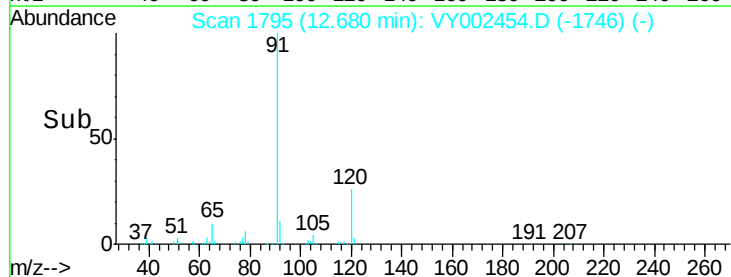
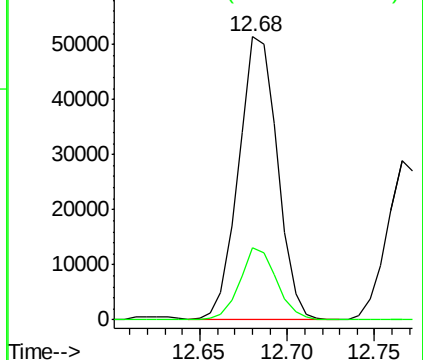
91 100

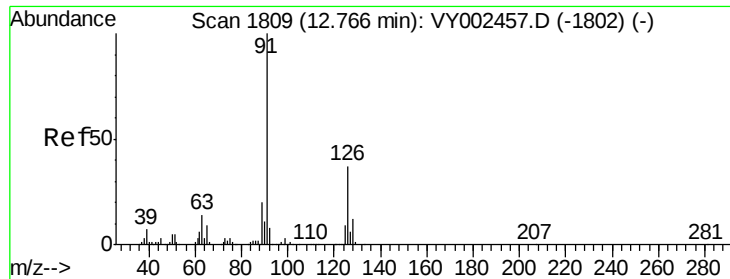
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





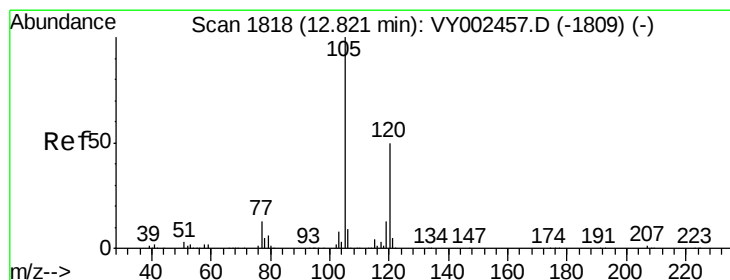
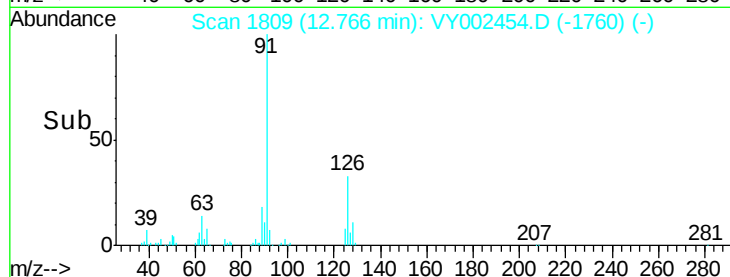
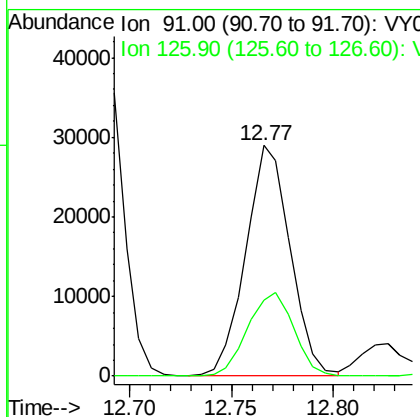
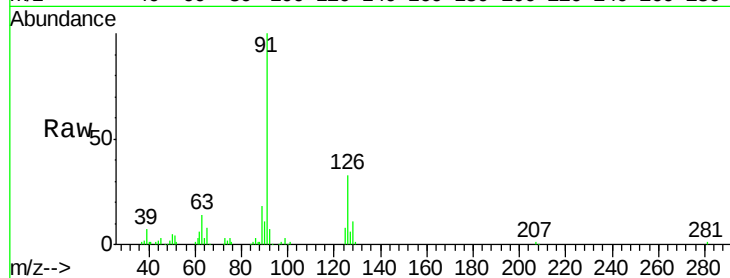
#79
2-Chlorotoluene
Concen: 5.180 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 44133
Ion Ratio Lower Upper
91 100
126 37.5 18.5 55.5

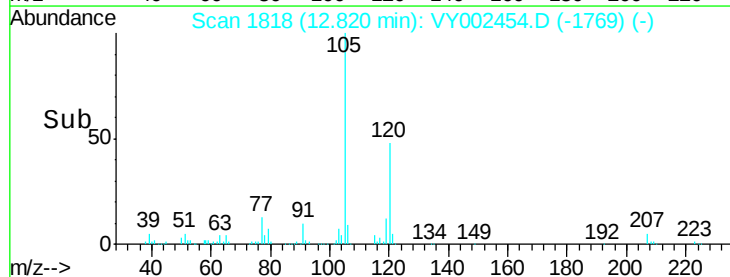
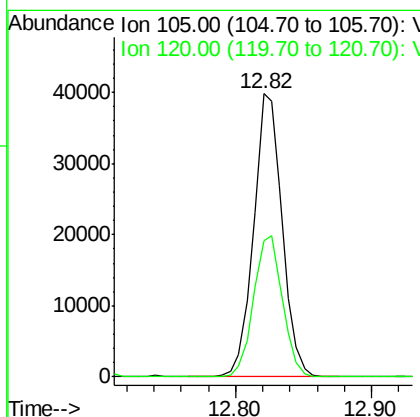
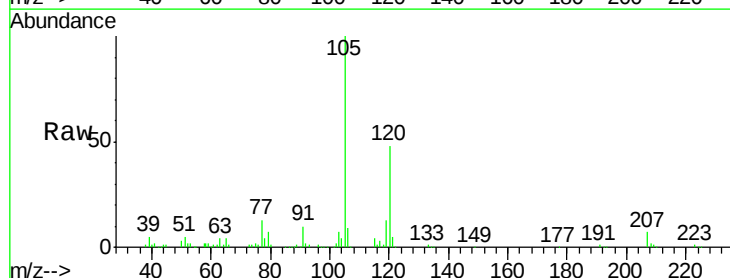
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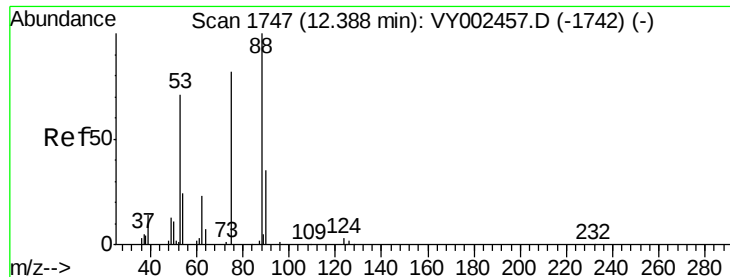
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#80
1,3,5-Trimethylbenzene
Concen: 5.140 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion: 105 Resp: 58708
Ion Ratio Lower Upper
105 100
120 50.4 24.9 74.6





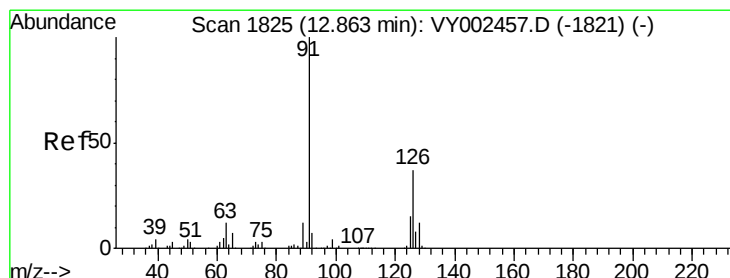
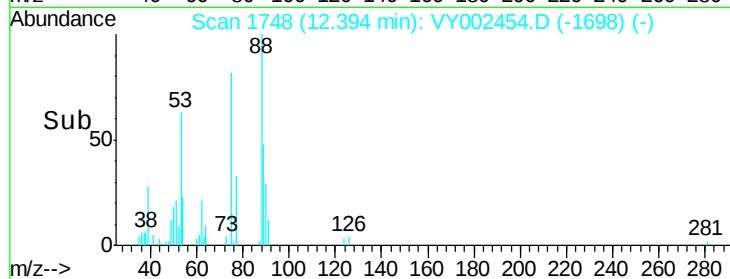
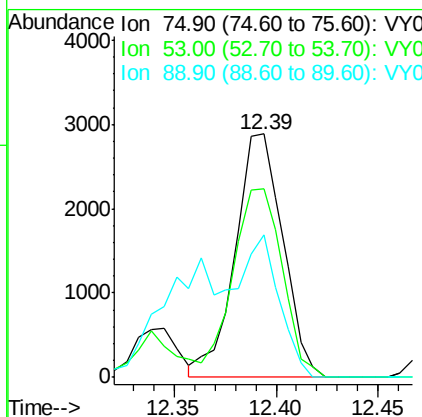
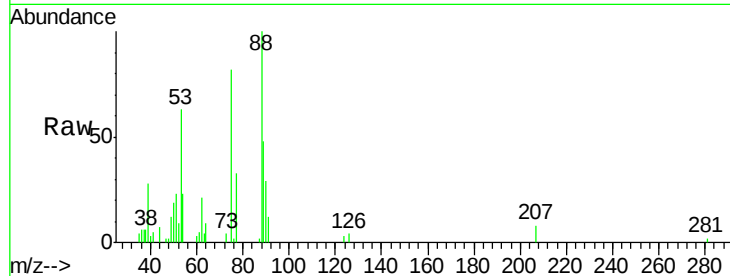
#81
trans-1,4-Dichloro-2-butene
Concen: 5.147 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.0	70.0	105.0
89	46.9	34.9	52.3

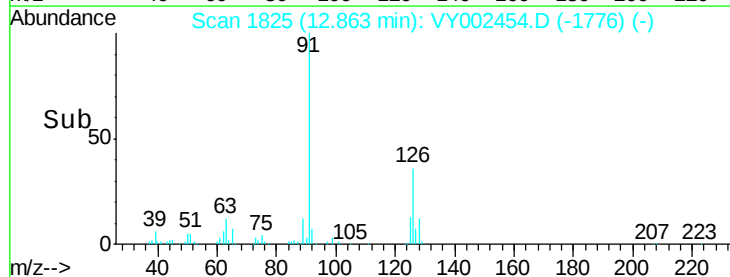
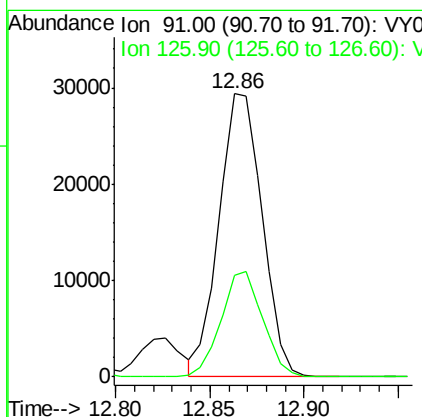
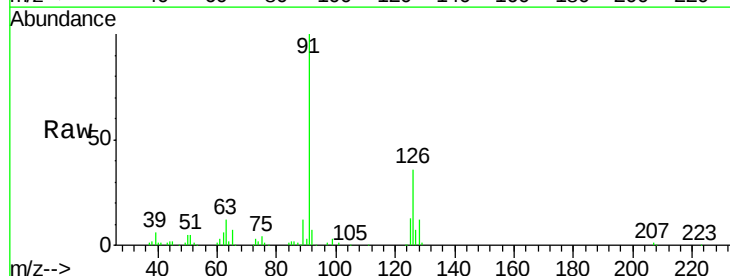
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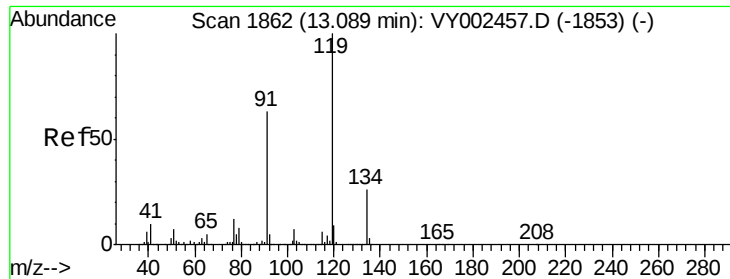
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#82
4-Chlorotoluene
Concen: 5.194 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.5	55.5





#83

tert-Butylbenzene

Concen: 5.079 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

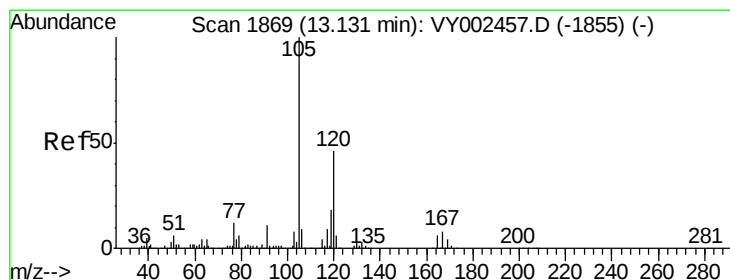
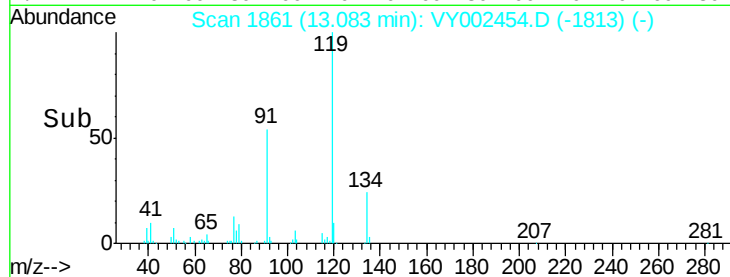
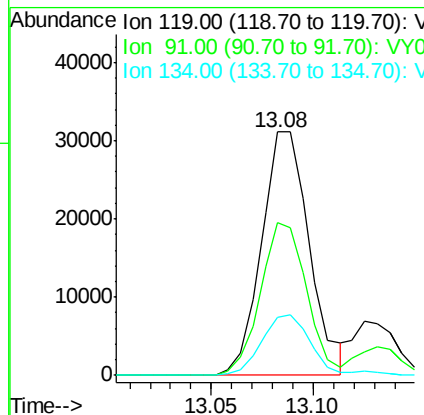
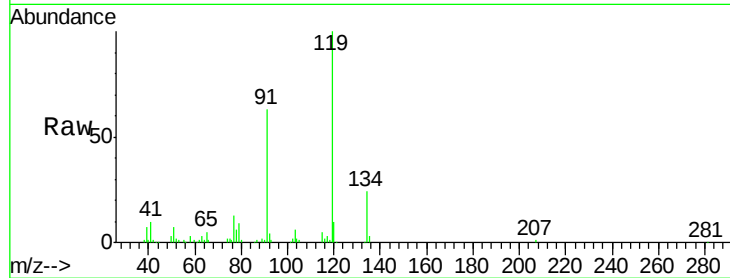
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	51071
Ion Ratio	Lower	Upper	
119	100		
91	60.5	30.8	92.3
134	25.9	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 5.019 ug/l

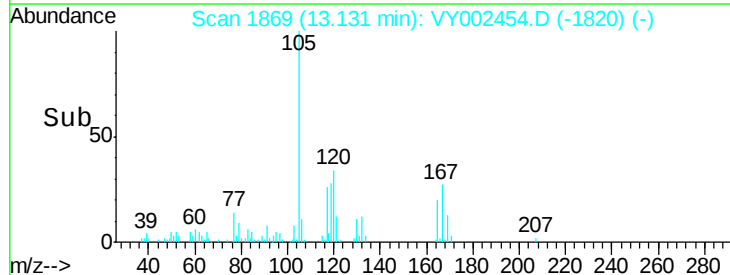
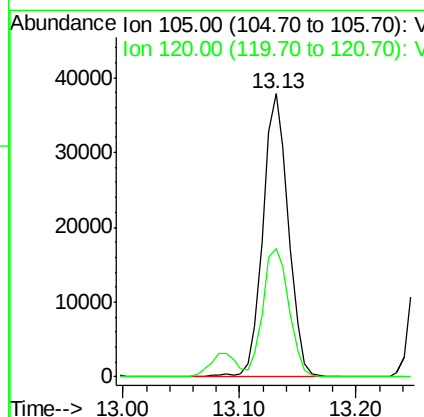
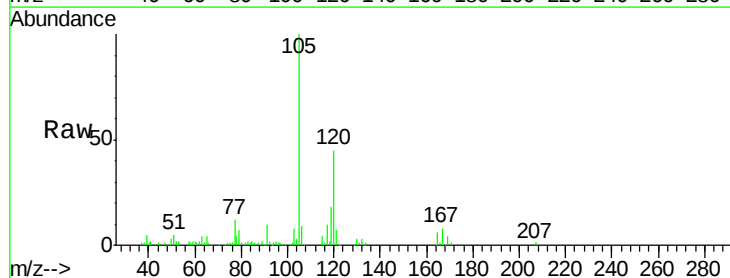
RT: 13.13 min Scan# 1869

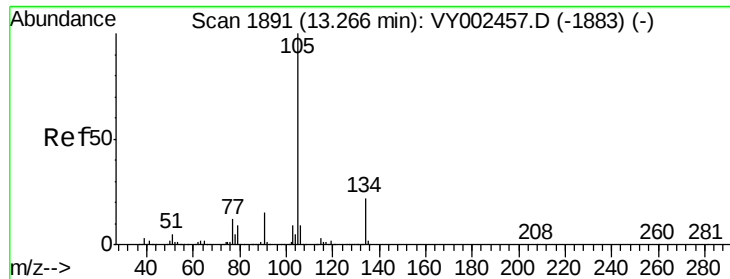
Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	105	Resp:	57138
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 5.113 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 70205

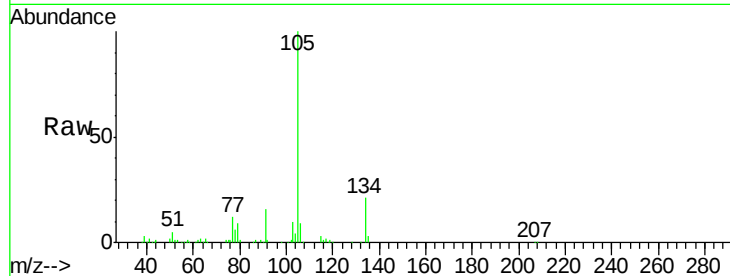
Ion Ratio Lower Upper

105 100

134 21.3 10.8 32.3

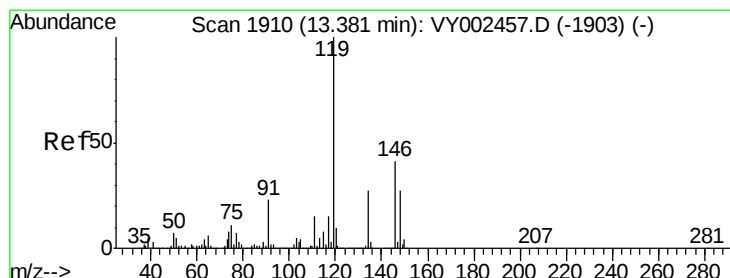
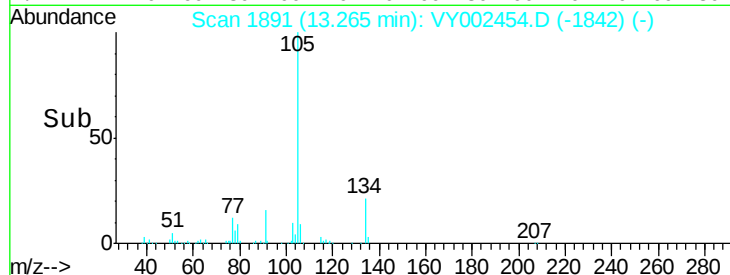
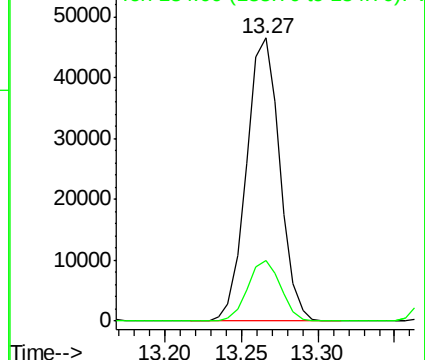
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.100 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

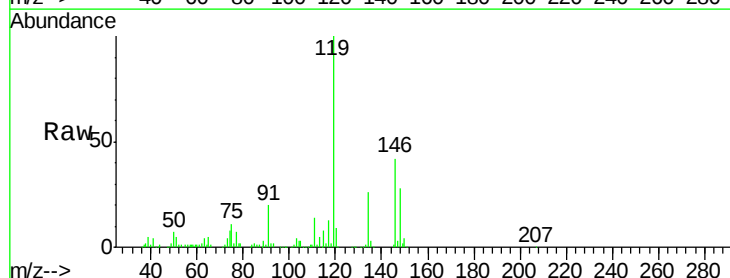
Tgt Ion:119 Resp: 66280

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

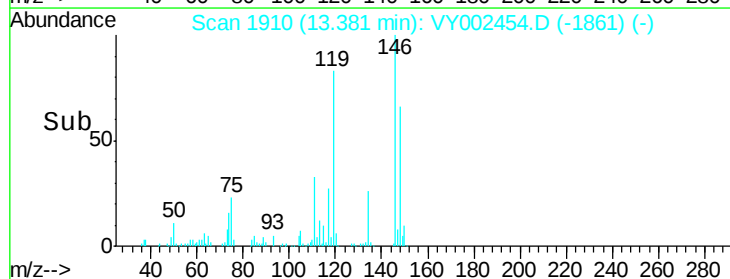
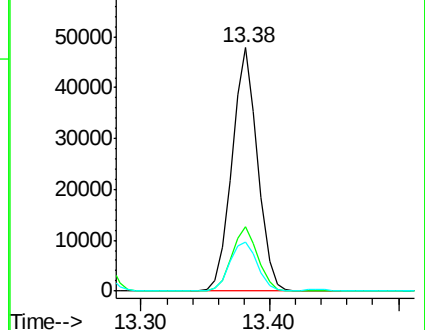
91 21.9 11.5 34.4

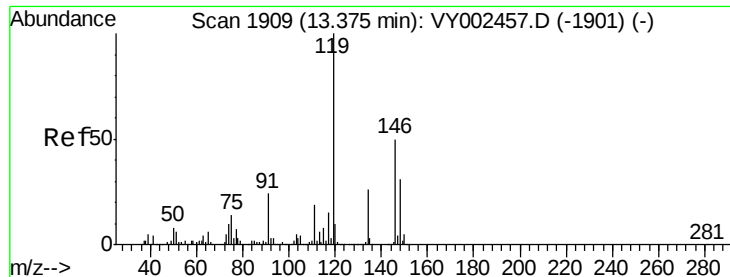


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





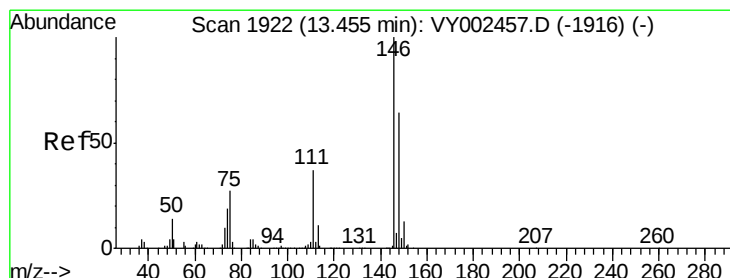
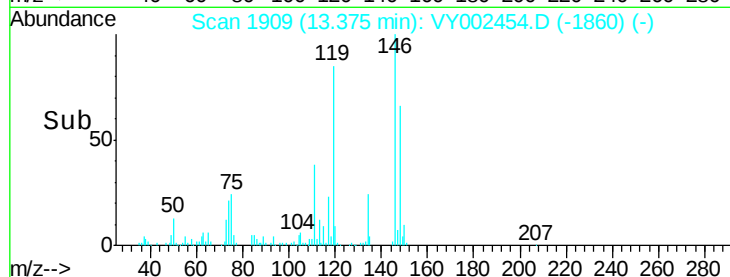
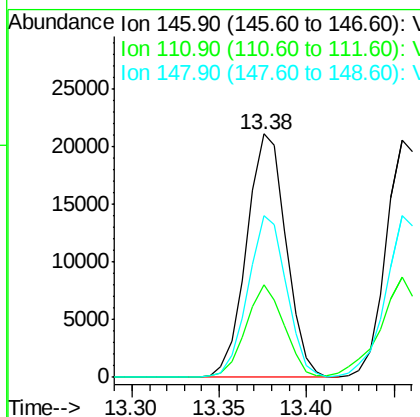
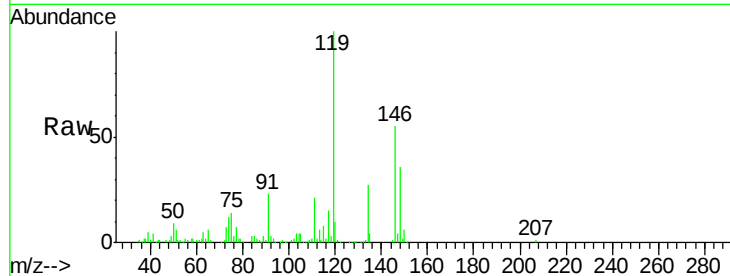
#87
 1,3-Dichlorobenzene
 Concen: 5.136 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	64.9	32.0	96.0

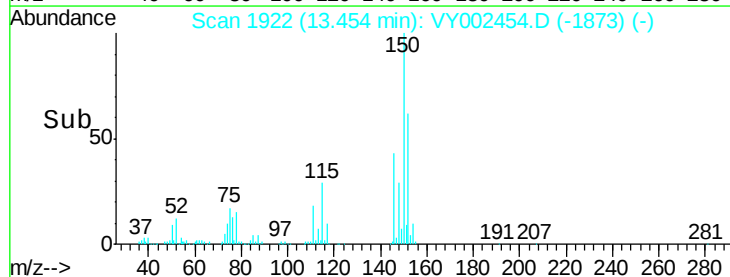
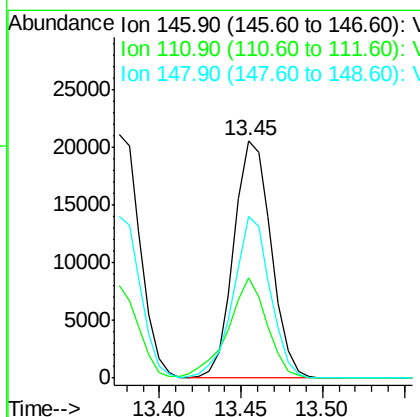
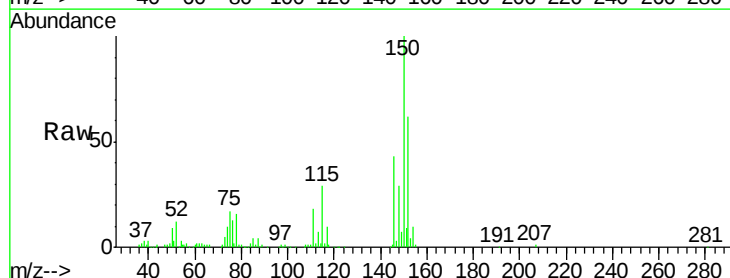
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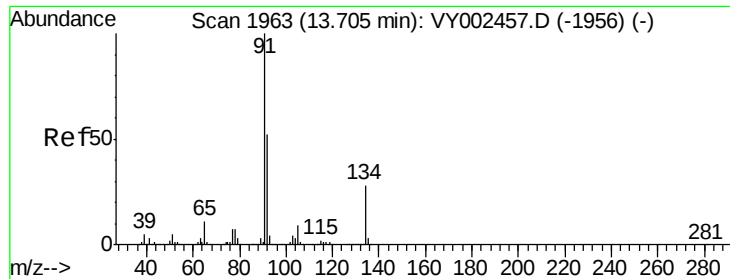
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#88
 1,4-Dichlorobenzene
 Concen: 5.144 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	18.1	54.1
148	67.2	32.1	96.5





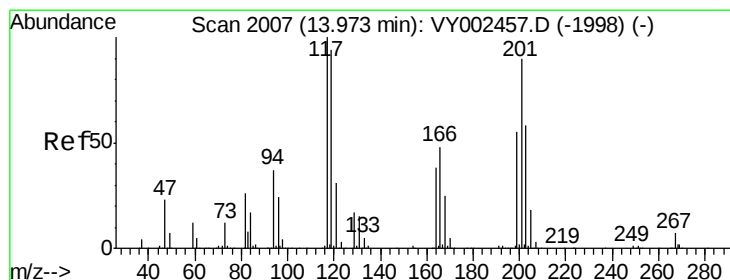
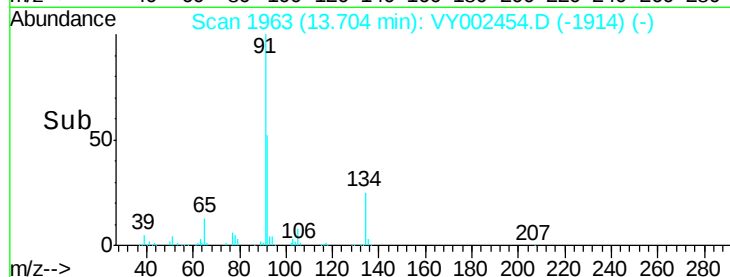
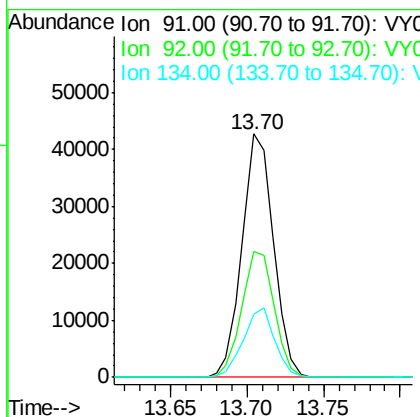
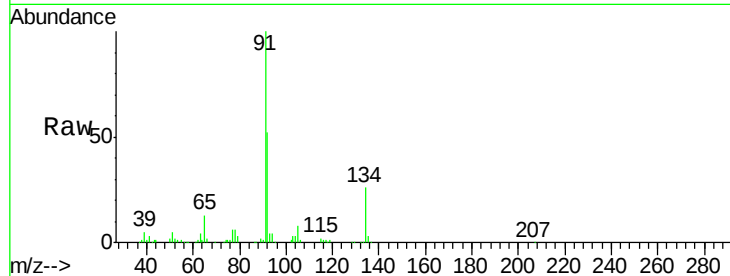
#89
n-Butylbenzene
Concen: 5.157 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	28.4	14.3	42.9

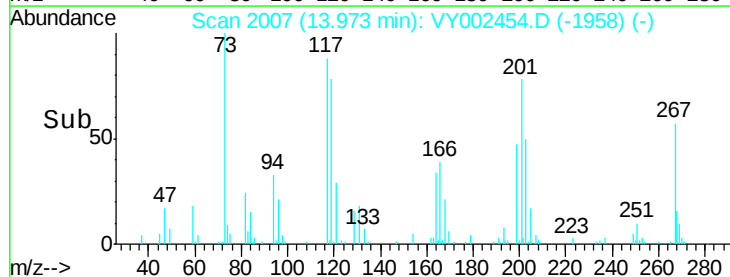
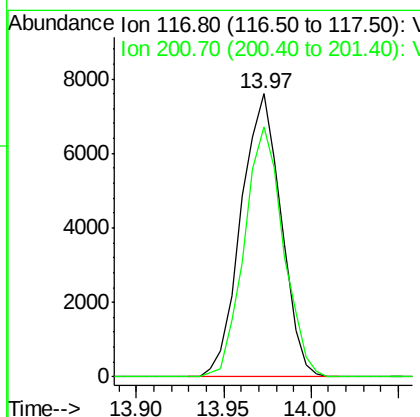
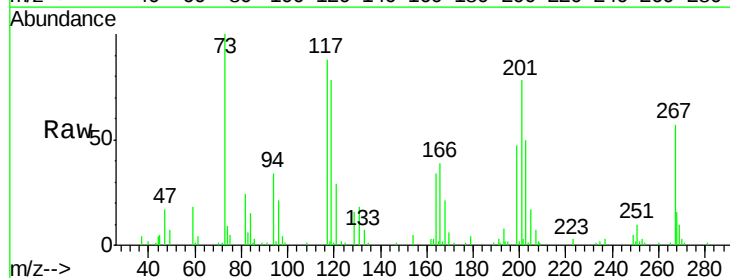
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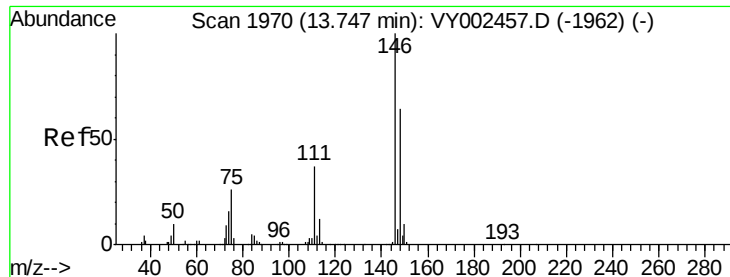
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#90
Hexachloroethane
Concen: 5.212 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002454.D
Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	44.4	133.1





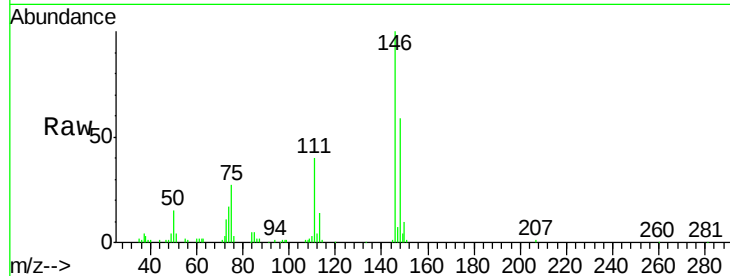
#91
 1,2-Dichlorobenzene
 Concen: 5.072 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

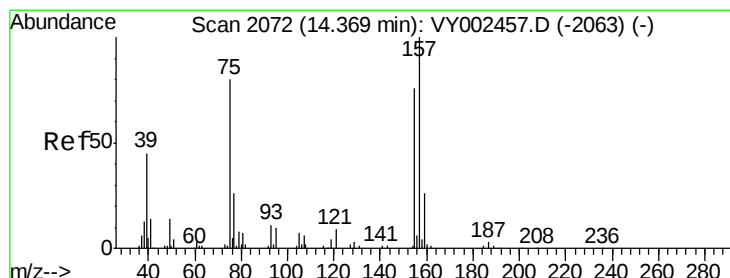
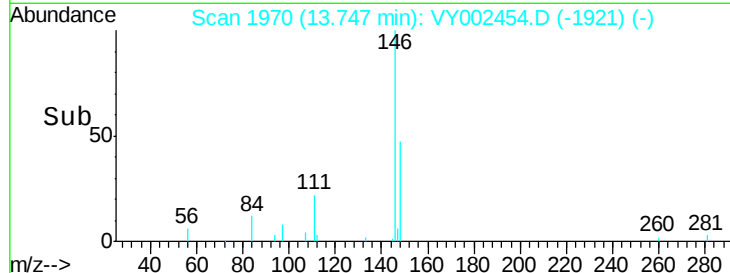
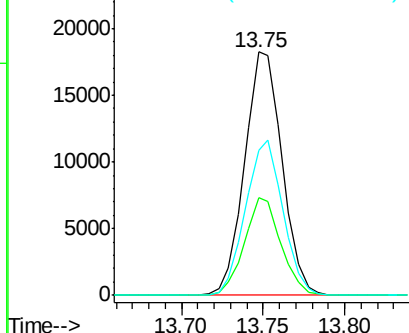
Tot Ion:	146	Resp:	29175
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.9	56.9
148	64.0	31.6	94.7

Manual Integrations
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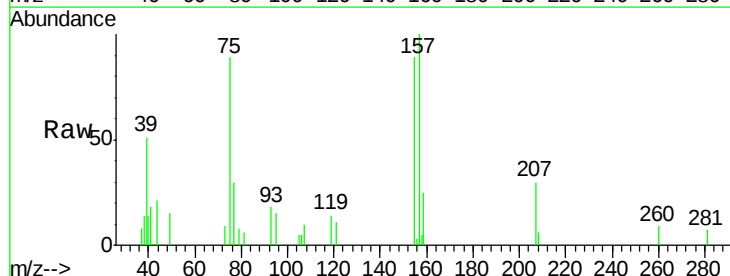


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

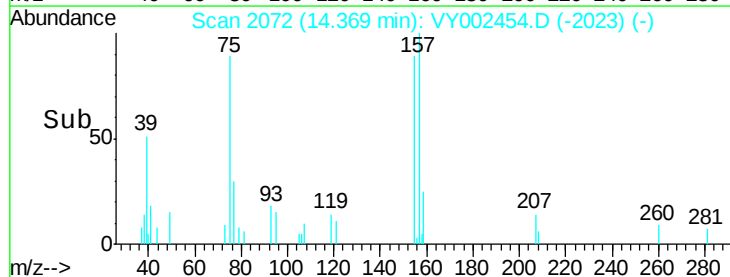
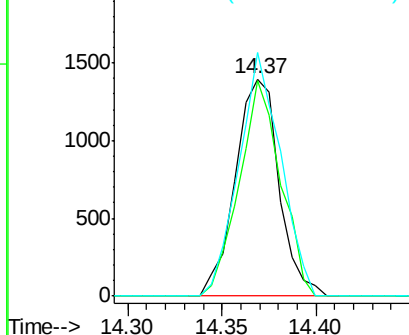


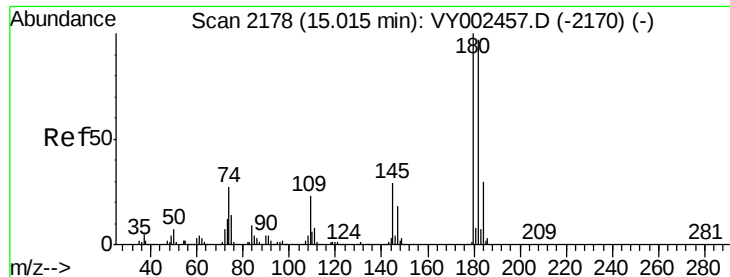
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.533 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Tgt Ion:	75	Resp:	2242
Ion Ratio	Lower	Upper	
75	100		
155	94.1	49.6	149.0
157	107.5	62.6	187.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





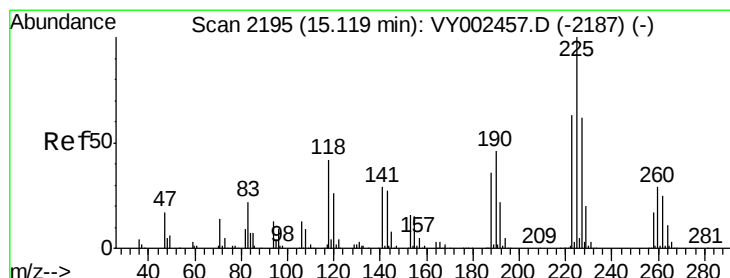
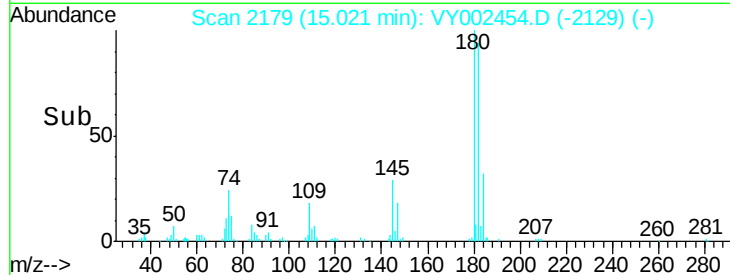
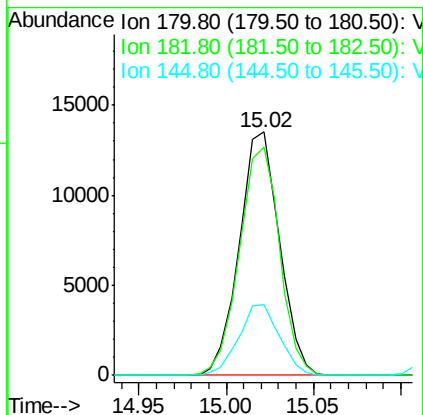
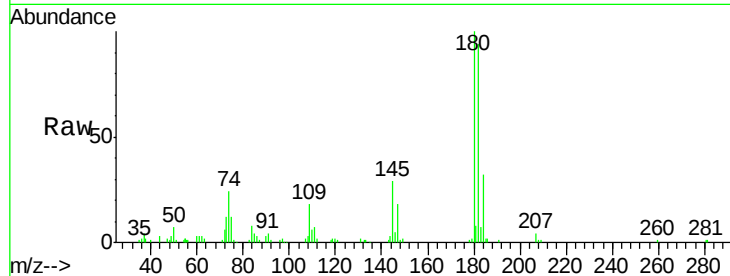
#93
 1,2,4-Trichlorobenzene
 Concen: 5.086 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21658		
182	93.4	47.9	143.7	
145	29.3	14.2	42.6	

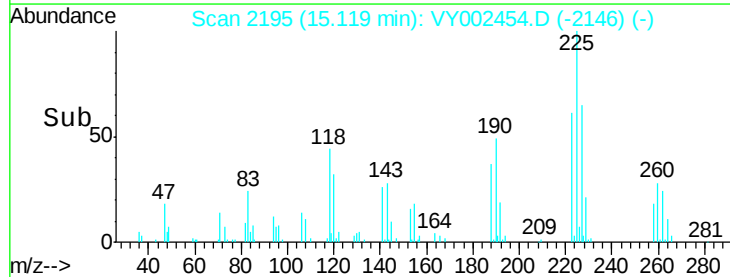
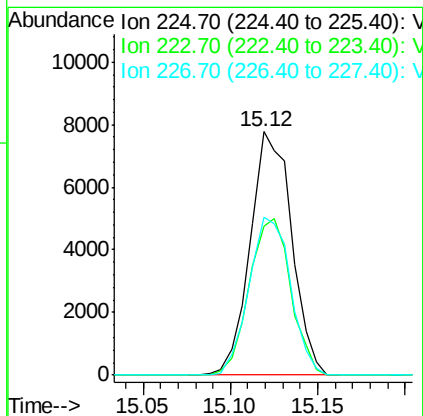
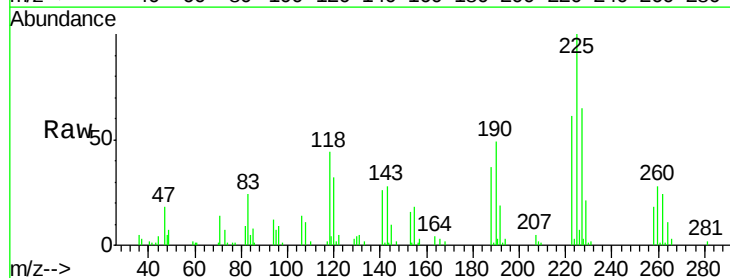
Manual Integrations
 APPROVED

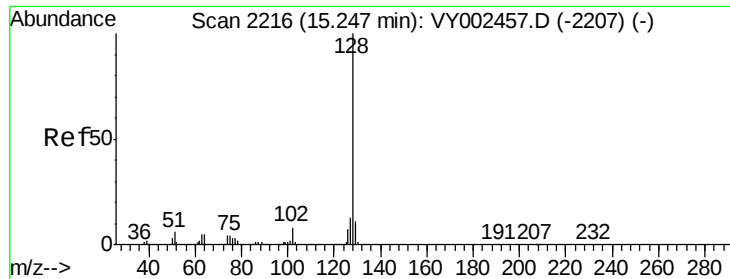
MMDadoda
 4/24/2020 1:33:21 PM



#94
 Hexachlorobutadiene
 Concen: 4.991 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002454.D
 Acq: 23 Apr 2020 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12921		
223	64.4	31.1	93.3	
227	65.1	31.5	94.5	





#95

Naphthalene

Concen: 5.008 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Instrument :

MSVOA_Y

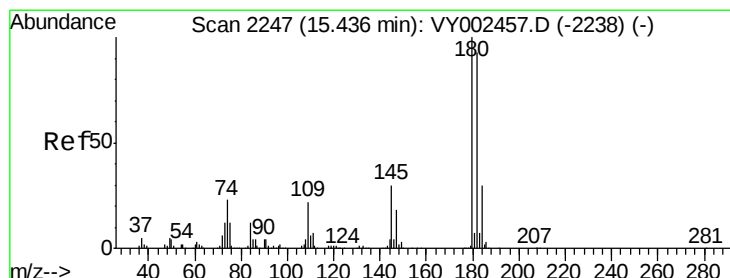
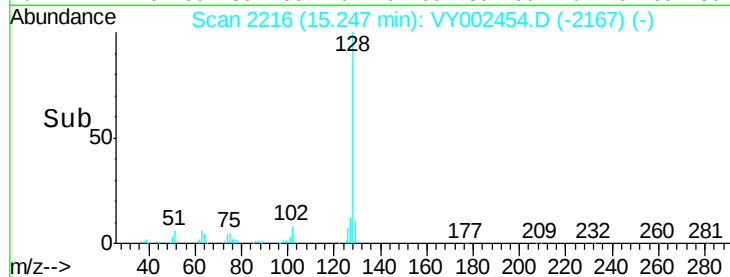
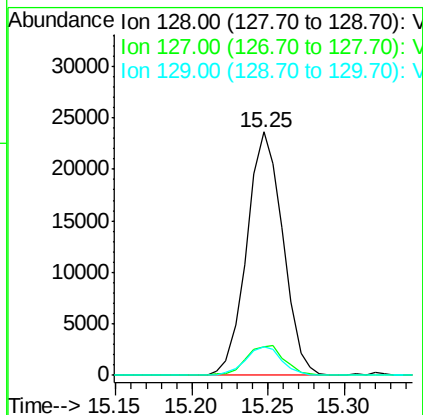
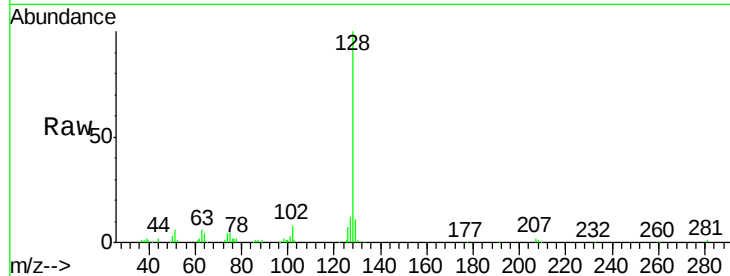
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	38758
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.979 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY002454.D

Acq: 23 Apr 2020 10:52

Tgt Ion:	180	Resp:	17864
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.5	142.6
145	31.1	15.3	45.9

