

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102419\
 Data File : VY000409.D
 Acq On : 24 Oct 2019 15:03
 Operator : SY/MD
 Sample : VY1024SBSD02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:46:51 PM

Quant Time: Oct 25 07:10:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	211265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	349455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	311879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	155086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	118808	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.73	113	108968	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.18	98	432978	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.48	95	153827	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	42723	23.272	ug/l	89
3) Chloromethane	2.11	50	64998	25.177	ug/l	95
4) Vinyl Chloride	2.25	62	55795	21.415	ug/l	95
5) Bromomethane	2.63	94	33121	17.153	ug/l	90
6) Chloroethane	2.79	64	36979	21.997	ug/l	97
7) Trichlorofluoromethane	3.12	101	79506	22.309	ug/l	92
8) Diethyl Ether	3.54	74	31998	25.415	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48513	22.446	ug/l	98
10) Methyl Iodide	4.10	142	53794	18.245	ug/l	99
11) Tert butyl alcohol	4.97	59	23070	98.921	ug/l	97
12) 1,1-Dichloroethene	3.87	96	45644	21.392	ug/l	93
13) Acrolein	3.74	56	20939	76.581	ug/l	98
14) Allyl chloride	4.49	41	74957	21.199	ug/l	100
15) Acrylonitrile	5.17	53	73379	104.129	ug/l	97
16) Acetone	3.96	43	71231	98.701	ug/l	99
17) Carbon Disulfide	4.19	76	134675	20.047	ug/l	98
18) Methyl Acetate	4.49	43	39714	22.148	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	131478	22.135	ug/l	97
20) Methylene Chloride	4.72	84	81624	31.563	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	52797	21.567	ug/l	94
22) Diisopropyl ether	6.13	45	165765	22.165	ug/l	95
23) Vinyl Acetate	6.07	43	516195	105.800	ug/l	96
24) 1,1-Dichloroethane	6.03	63	90051	22.060	ug/l	98
25) 2-Butanone	7.00	43	107505	105.747	ug/l	94
26) 2,2-Dichloropropane	6.99	77	83745	22.264	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	58304	22.010	ug/l	100
28) Bromochloromethane	7.34	49	35339	20.166	ug/l	98
29) Tetrahydrofuran	7.36	42	64151	104.122	ug/l	99
30) Chloroform	7.52	83	90694	22.061	ug/l	99
31) Cyclohexane	7.79	56	89738	21.048	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	80439	22.009	ug/l	98
36) 1,1-Dichloropropene	7.92	75	72681	21.243	ug/l	100
37) Ethyl Acetate	7.09	43	40930	20.204	ug/l	98
38) Carbon Tetrachloride	7.91	117	70302	21.222	ug/l	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	93704	20.926	ug/l	97
40) Benzene	8.17	78	212595	21.502	ug/l	97
41) Methacrylonitrile	7.33	41	20045m	20.787	ug/l	
42) 1,2-Dichloroethane	8.25	62	62084	21.982	ug/l	98
43) Isopropyl Acetate	8.28	43	81373	21.125	ug/l	99
44) Trichloroethene	8.95	130	58420	21.058	ug/l	99
45) 1,2-Dichloropropane	9.22	63	54286	22.373	ug/l	99
46) Dibromomethane	9.31	93	28524	21.029	ug/l	97
47) Bromodichloromethane	9.50	83	69460	21.729	ug/l	97
48) Methyl methacrylate	9.30	41	35220	20.863	ug/l	98
49) 1,4-Dioxane	9.31	88	8999	442.480	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	212616	107.016	ug/l	100
52) Toluene	10.25	92	134503	21.426	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	72745	21.234	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	84208	21.644	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	44782	22.707	ug/l	92
56) Ethyl methacrylate	10.52	69	58784	20.912	ug/l	98
57) 1,3-Dichloropropane	10.80	76	75044	22.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	138357	123.397	ug/l	100
59) 2-Hexanone	10.83	43	154453	110.755	ug/l	98
60) Dibromochloromethane	10.99	129	48276	22.085	ug/l	98
61) 1,2-Dibromoethane	11.09	107	40377	21.323	ug/l	98
64) Tetrachloroethene	10.72	164	60566	20.399	ug/l	96
65) Chlorobenzene	11.52	112	143467	21.797	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	51657	22.342	ug/l	98
67) Ethyl Benzene	11.60	91	261753	21.452	ug/l	100
68) m/p-Xylenes	11.70	106	202567	43.428	ug/l	100
69) o-Xylene	12.03	106	95287	21.414	ug/l	98
70) Styrene	12.04	104	159081	21.198	ug/l	100
71) Bromoform	12.21	173	28012	21.075	ug/l #	99
73) Isopropylbenzene	12.33	105	253301	20.947	ug/l	99
74) N-amyl acetate	12.14	43	66197	22.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	49944	21.997	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	37131m	19.471	ug/l	
77) Bromobenzene	12.61	156	57815	21.486	ug/l	96
78) n-propylbenzene	12.67	91	303889	20.930	ug/l	99
79) 2-Chlorotoluene	12.75	91	167298	20.865	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	214050	21.110	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17529	20.111	ug/l	96
82) 4-Chlorotoluene	12.85	91	179718	21.204	ug/l	99
83) tert-Butylbenzene	13.07	119	185278	21.577	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	212105	21.194	ug/l	100
85) sec-Butylbenzene	13.25	105	260580	20.977	ug/l	98
86) p-Isopropyltoluene	13.37	119	232721	21.489	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	113380	21.385	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	115572	21.809	ug/l	97
89) n-Butylbenzene	13.69	91	225456	21.067	ug/l	99
90) Hexachloroethane	13.96	117	44471	22.176	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	104503	21.780	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8319	19.319	ug/l	97

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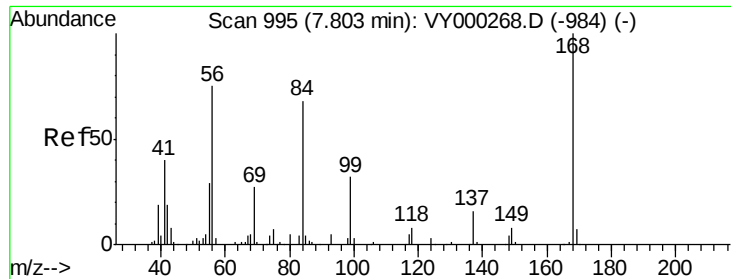
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	71284	21.339	ug/l	98
94) Hexachlorobutadiene	15.11	225	38711	21.413	ug/l	98
95) Naphthalene	15.23	128	152785	20.495	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	64872	21.547	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion:168 Resp: 211265

Ion Ratio Lower Upper

168 100

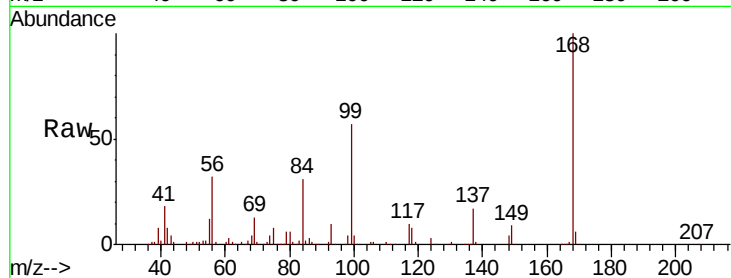
99 56.6 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000409.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000409.D (-946) (-)

7.80

100000

80000

60000

40000

20000

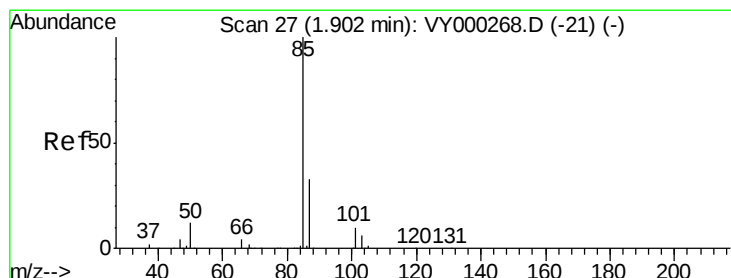
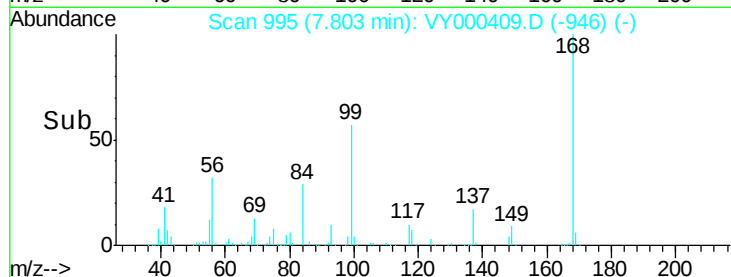
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.272 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000409.D

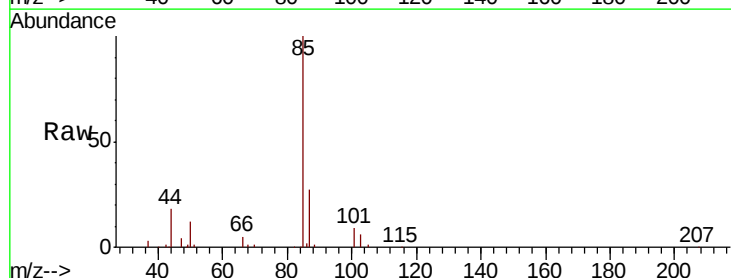
Acq: 24 Oct 2019 15:03

Tgt Ion: 85 Resp: 42723

Ion Ratio Lower Upper

85 100

87 27.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000409.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000409.D (-1) (-)

1.90

30000

20000

10000

0

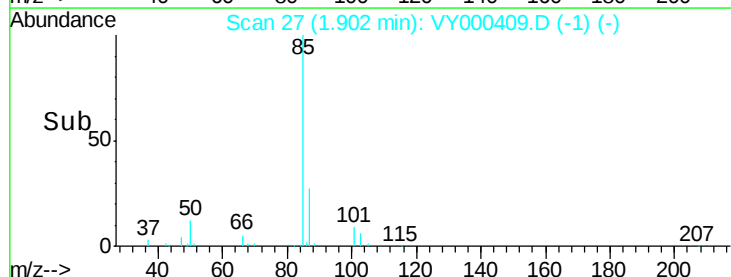
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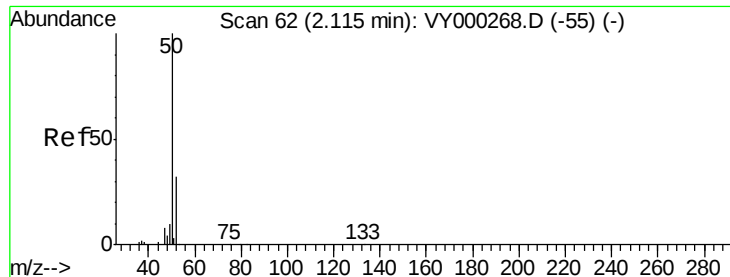
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 25.177 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 50 Resp: 64998

Ion Ratio Lower Upper

50 100

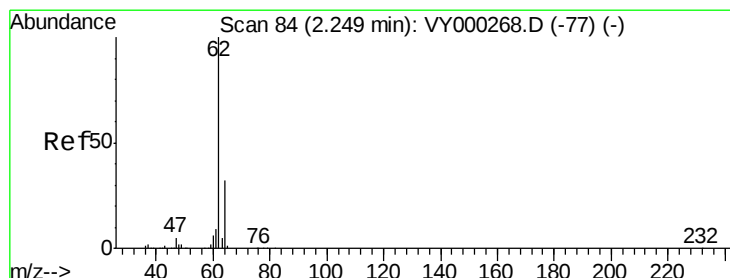
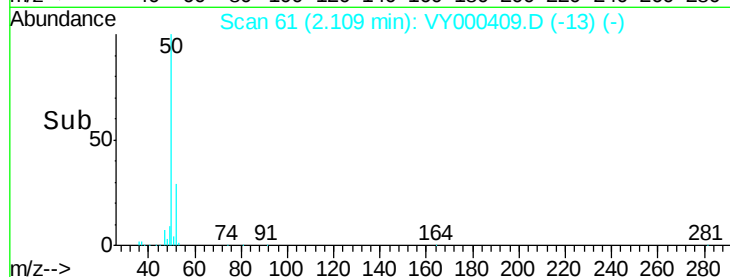
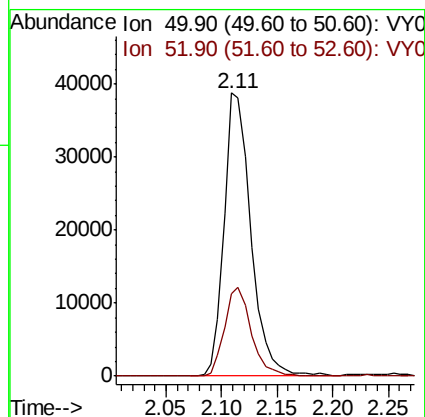
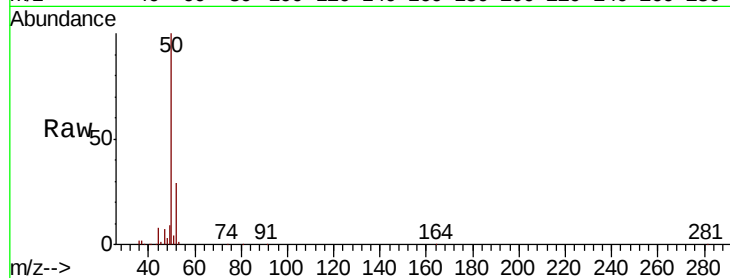
52 29.1 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.415 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000409.D

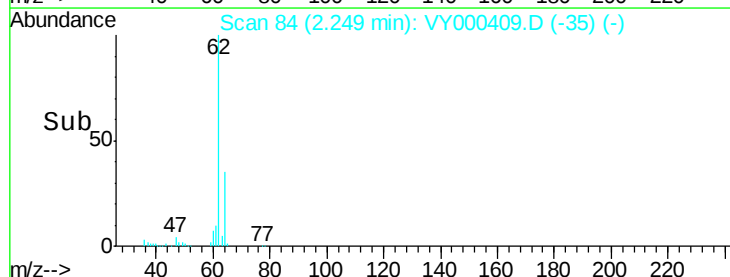
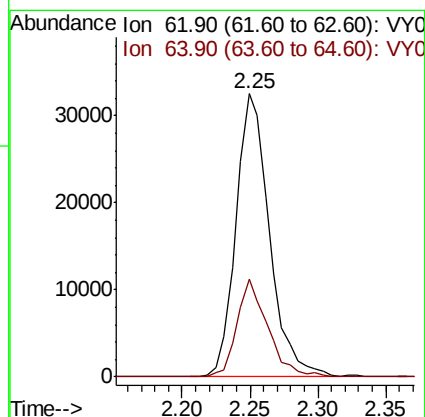
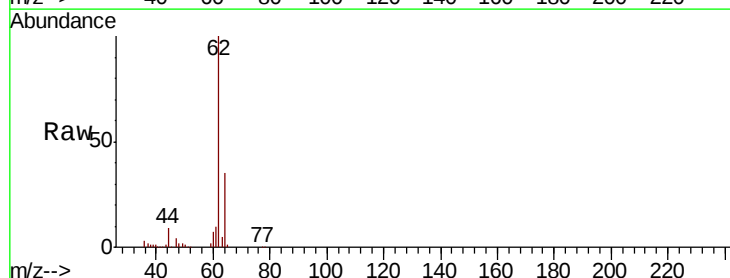
Acq: 24 Oct 2019 15:03

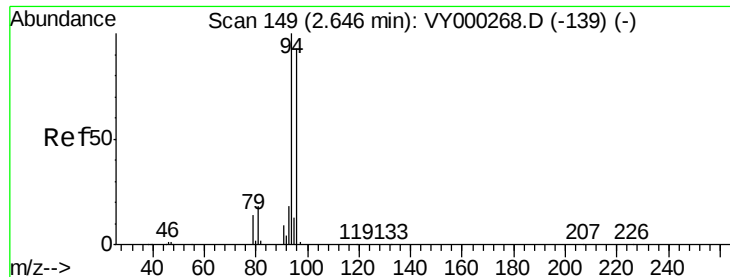
Tgt Ion: 62 Resp: 55795

Ion Ratio Lower Upper

62 100

64 34.7 25.6 38.4





#5

Bromomethane

Concen: 17.153 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 94 Resp: 33121

Ion Ratio Lower Upper

94 100

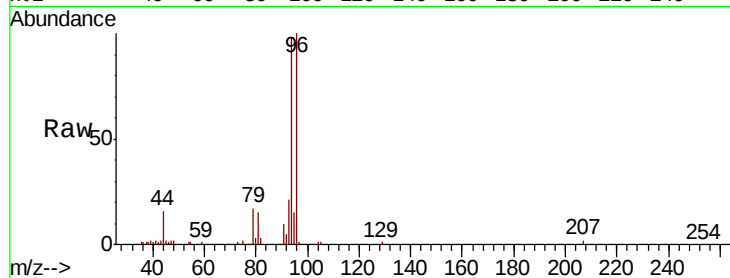
96 102.3 74.2 111.2

Manual Integrations

APPROVED

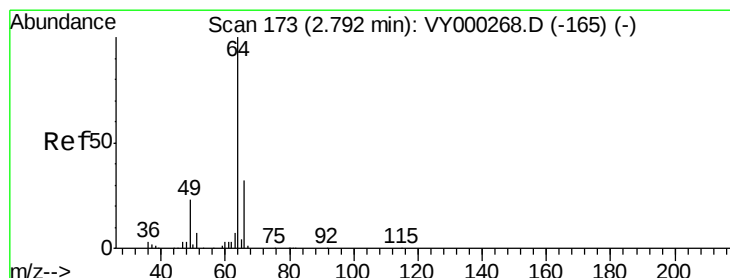
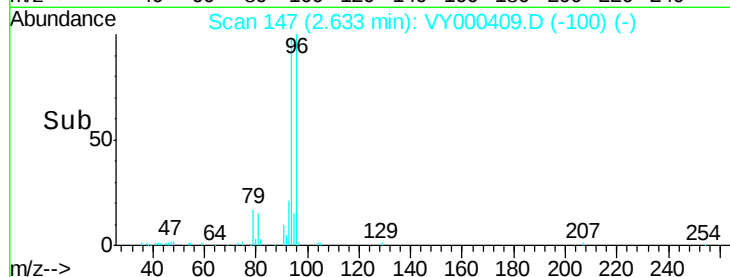
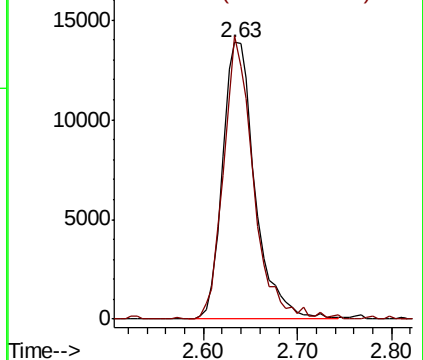
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.997 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000409.D

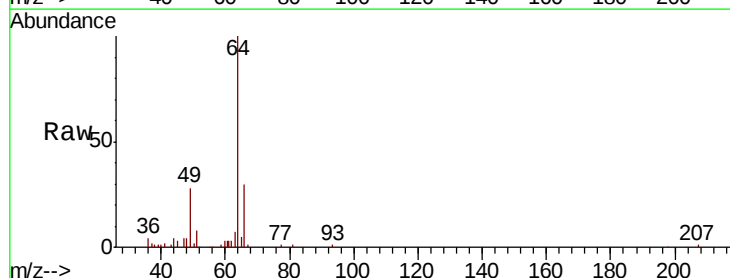
Acq: 24 Oct 2019 15:03

Tgt Ion: 64 Resp: 36979

Ion Ratio Lower Upper

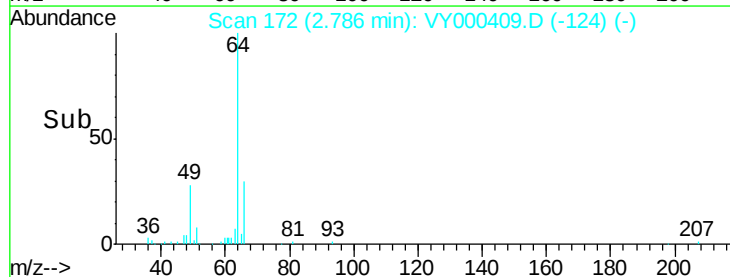
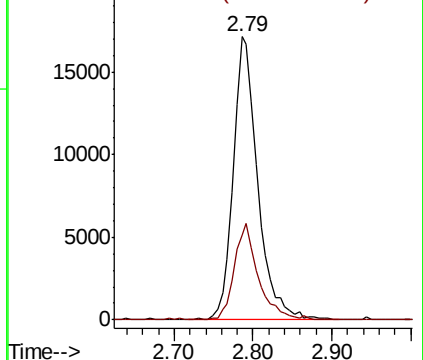
64 100

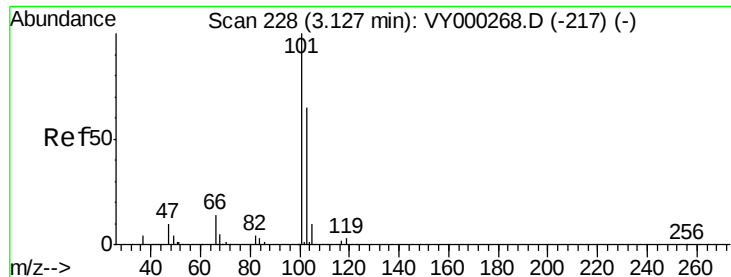
66 30.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

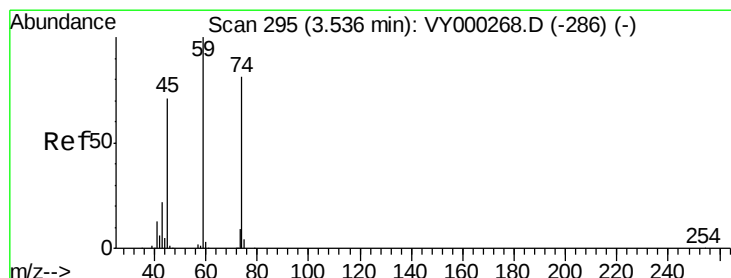
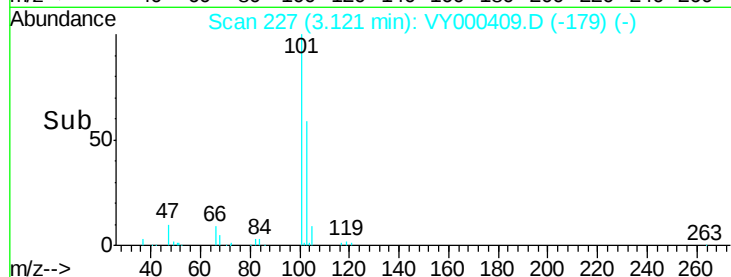
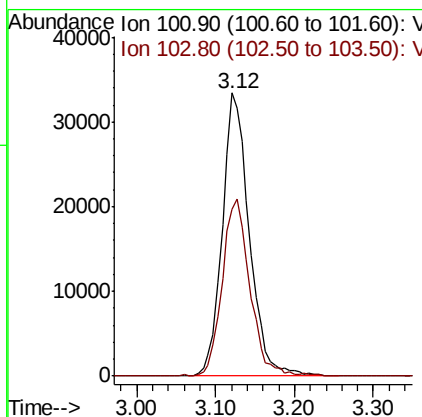
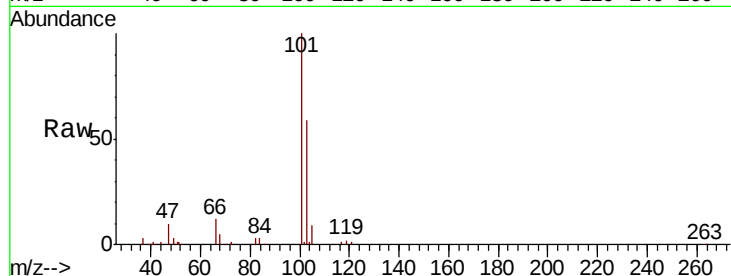
Trichlorofluoromethane
Concen: 22.309 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.8	52.2	78.4

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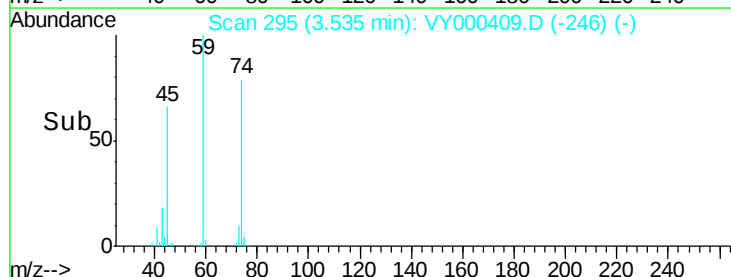
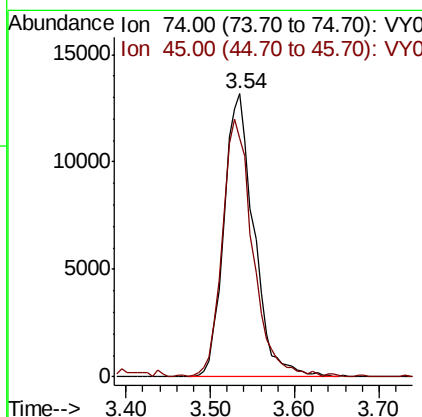
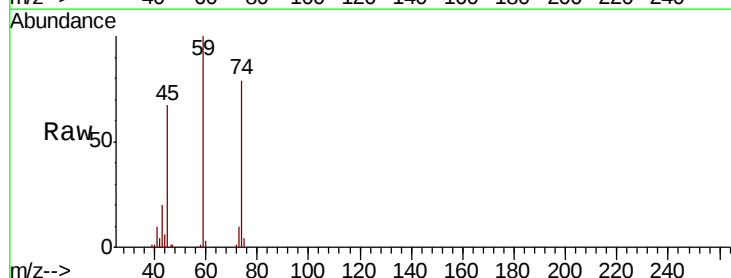
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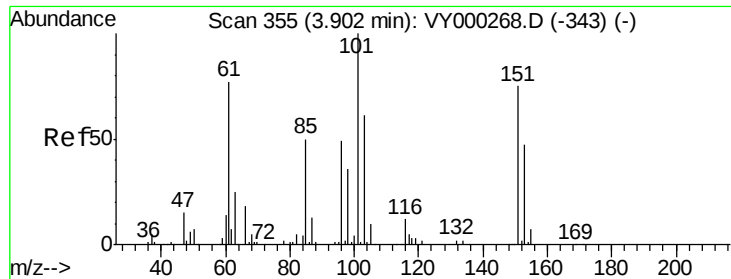


#8

Diethyl Ether
Concen: 25.415 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.446 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

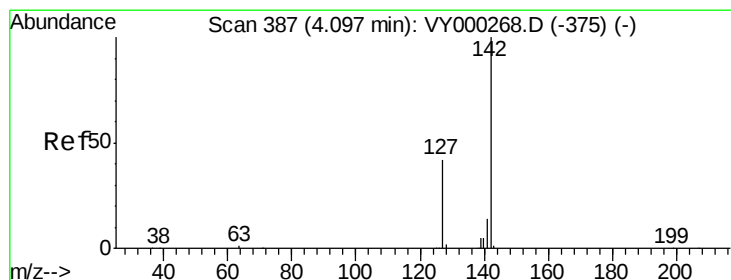
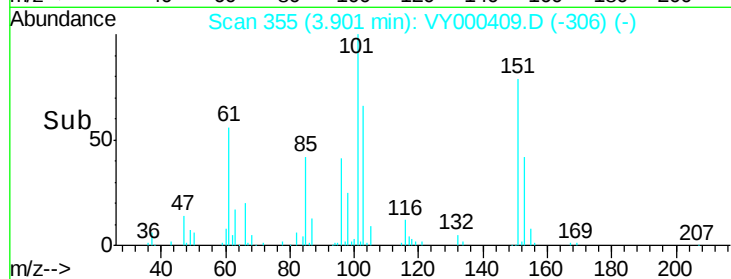
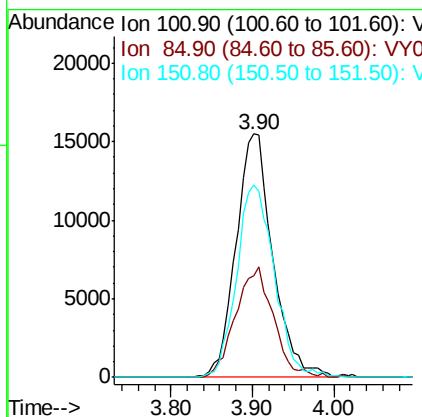
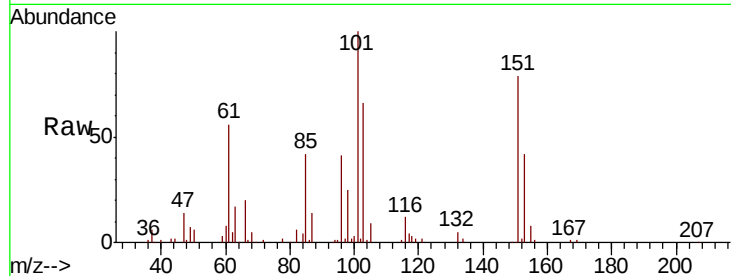
ClientSampleId :

VY1024SBS02

Tot Ion:	101	Resp:	48513
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.6	55.0
151	81.1	63.1	94.7

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#10

Methyl Iodide

Concen: 18.245 ug/l

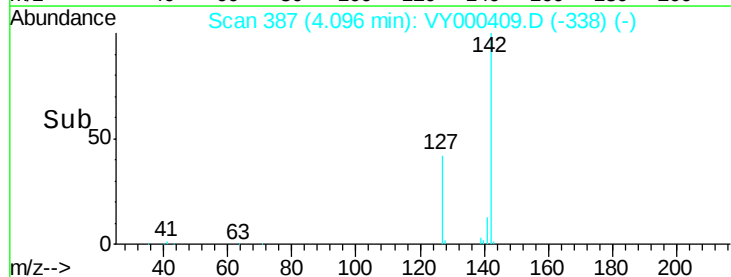
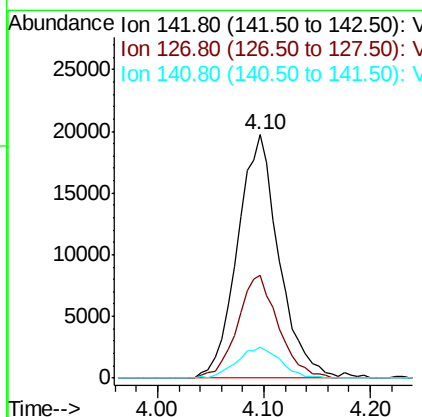
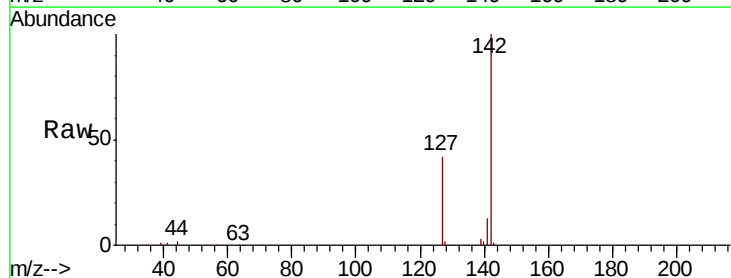
RT: 4.10 min Scan# 387

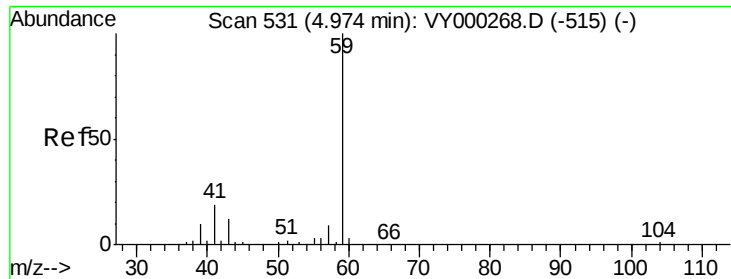
Delta R.T. 0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion:	142	Resp:	53794
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.9	50.9
141	13.3	11.2	16.8





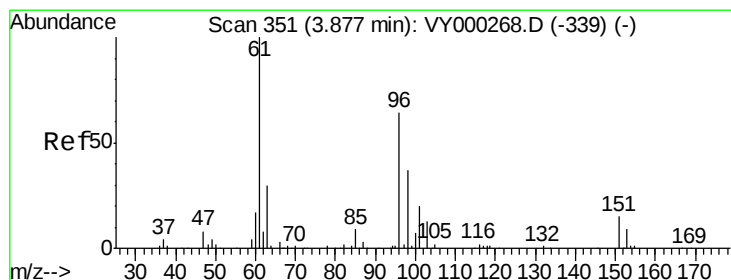
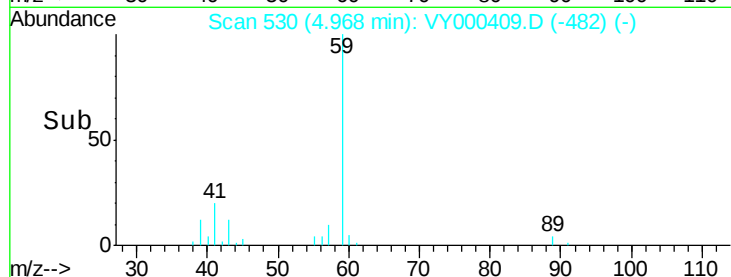
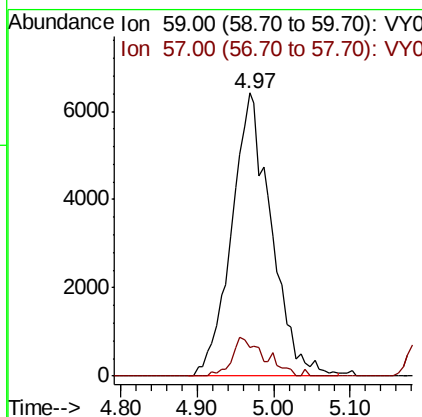
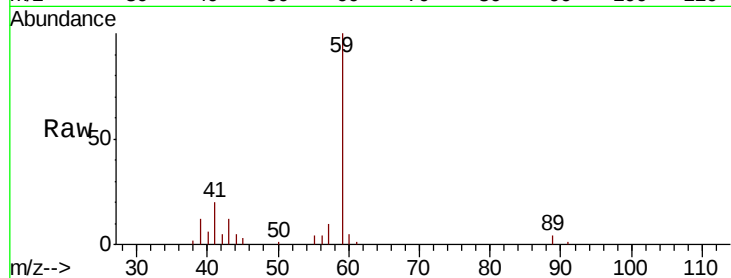
#11
Tert butyl alcohol
Concen: 98.921 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.2

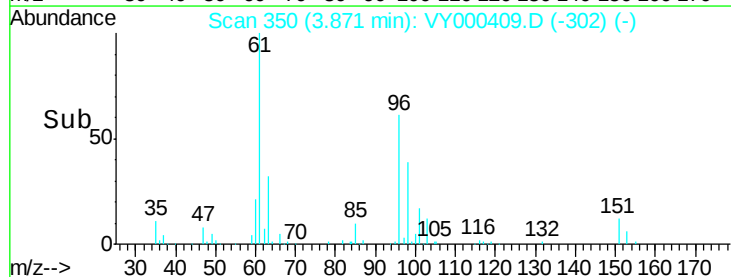
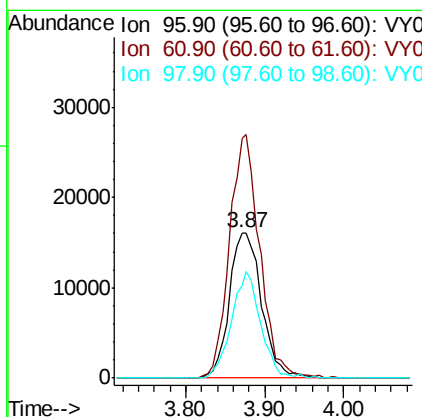
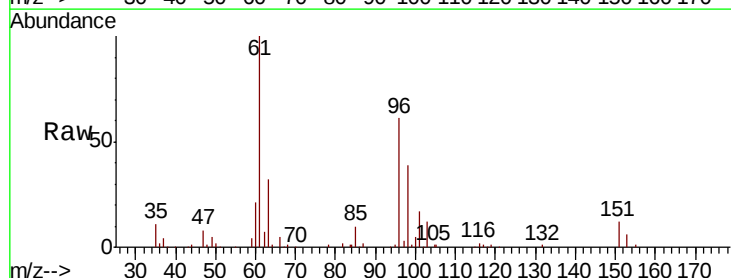
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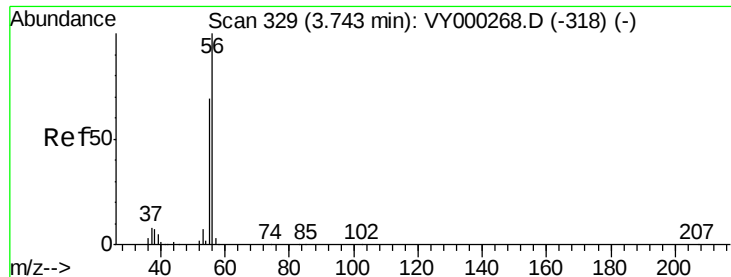
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#12
1,1-Dichloroethene
Concen: 21.392 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	125.8	188.6
98	64.0	46.2	69.2





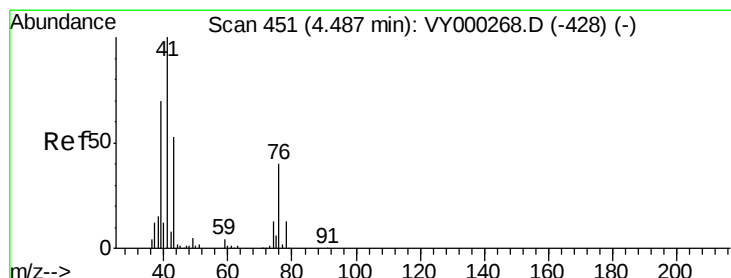
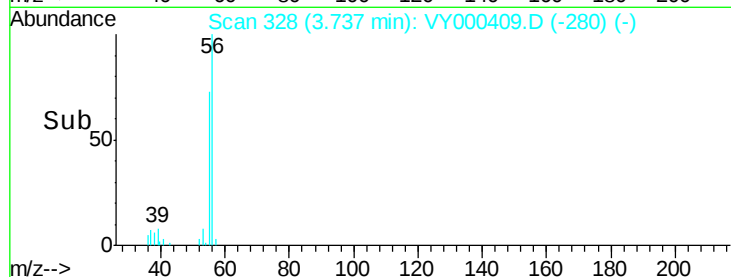
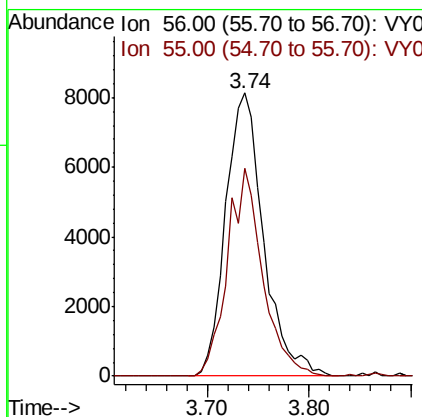
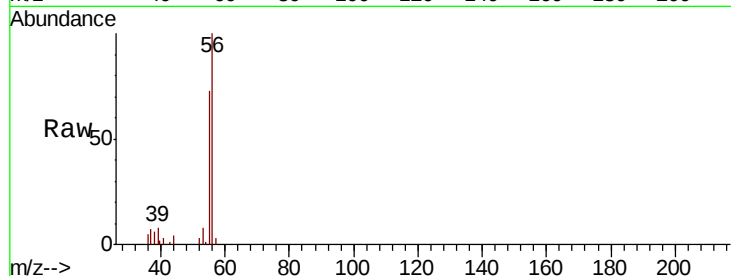
#13
Acrolein
Concen: 76.581 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.9	55.7	83.5

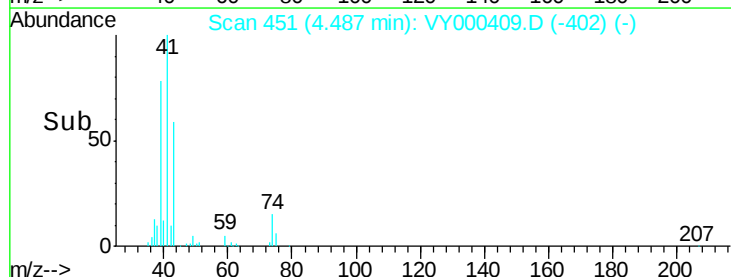
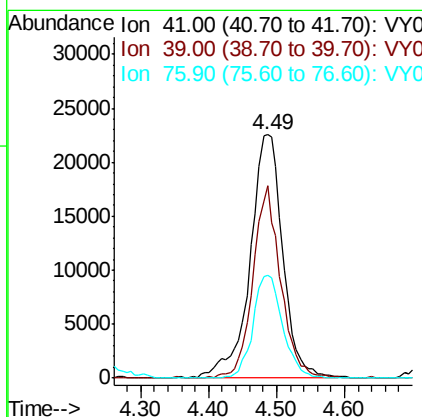
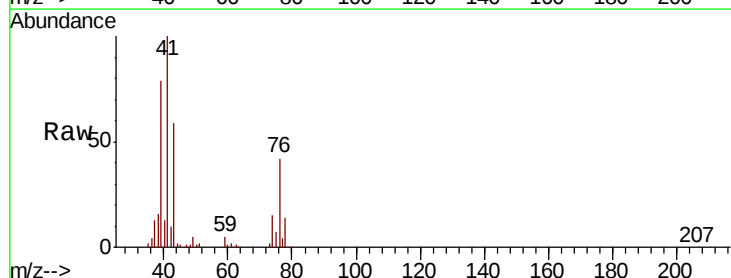
Manual Integrations
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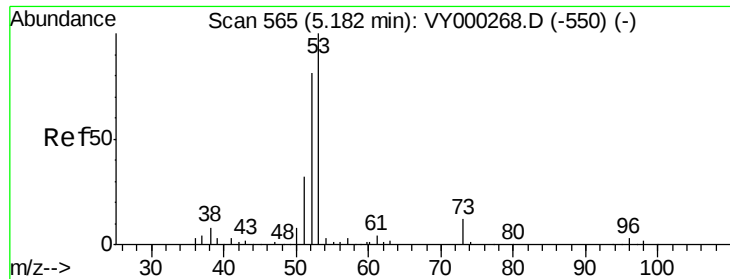
MMDadoda
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#14
Allyl chloride
Concen: 21.199 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.9	54.0	81.0
76	38.7	30.7	46.1





#15

Acrylonitrile

Concen: 104.129 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

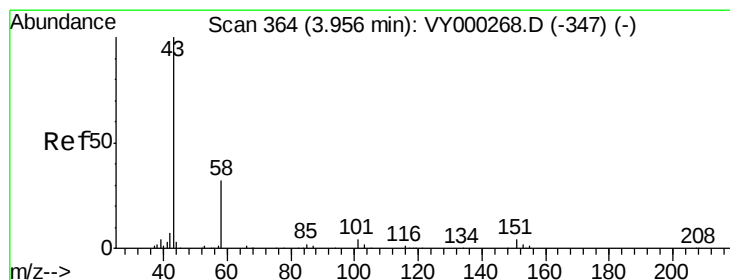
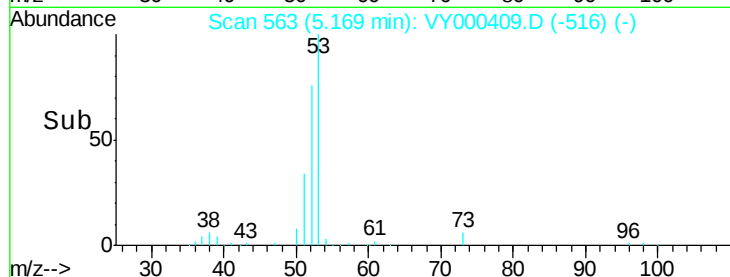
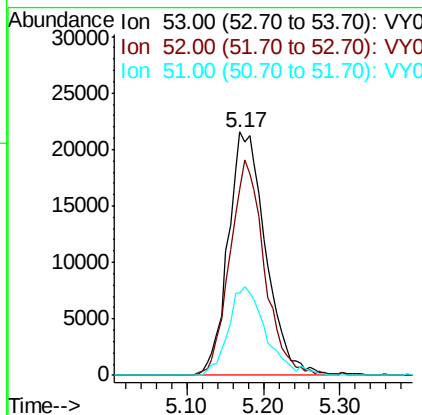
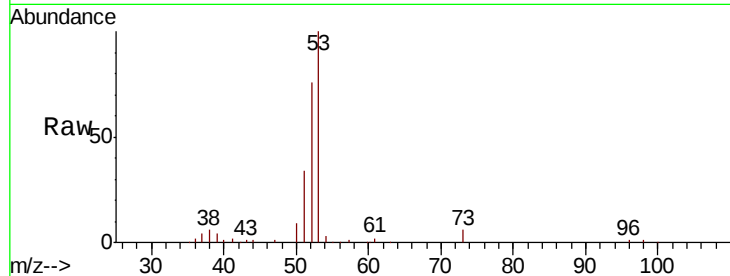
ClientSampleId :

VY1024SBS02

Tot Ion:	53	Resp:	73379
Ion	Ratio	Lower	Upper
53	100		
52	81.7	62.9	94.3
51	35.1	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 98.701 ug/l

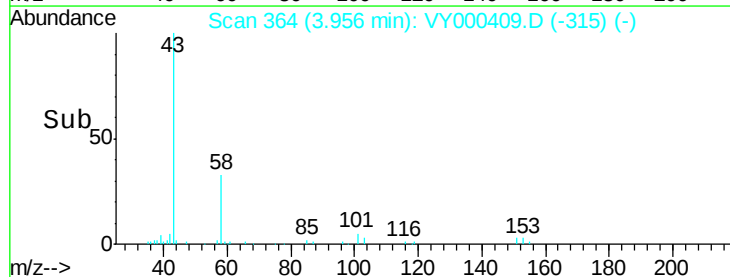
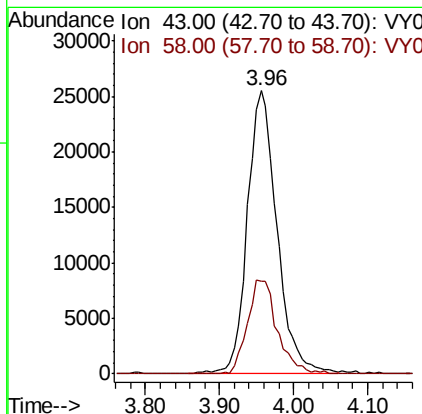
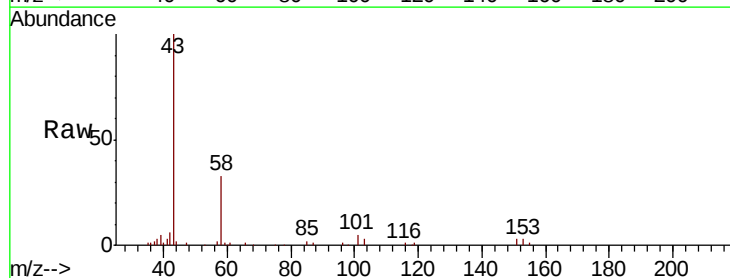
RT: 3.96 min Scan# 364

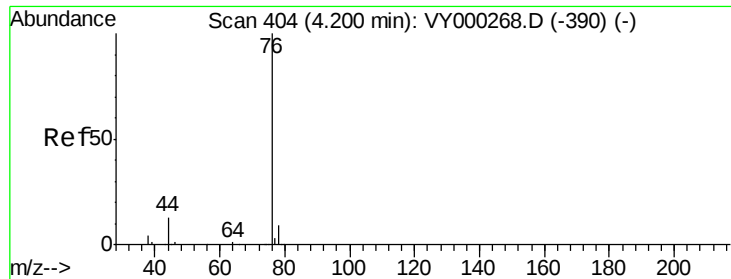
Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion:	43	Resp:	71231
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.8	38.6





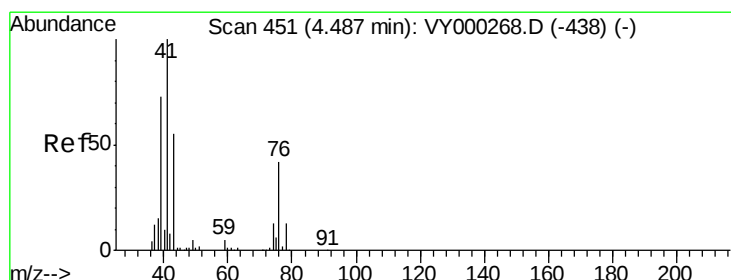
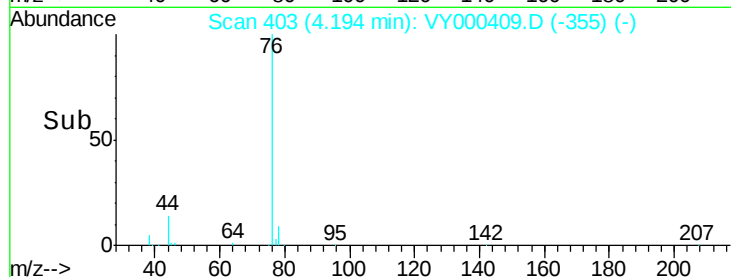
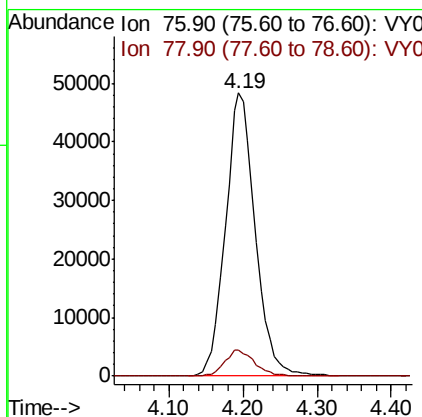
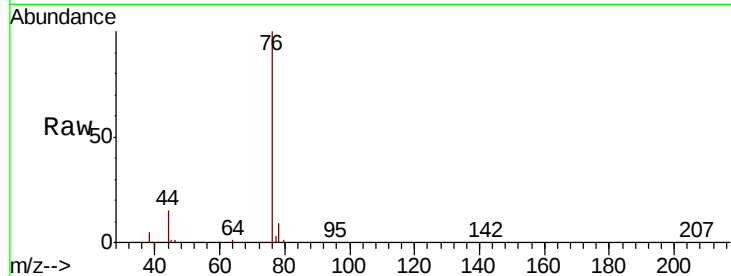
#17
Carbon Disulfide
Concen: 20.047 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

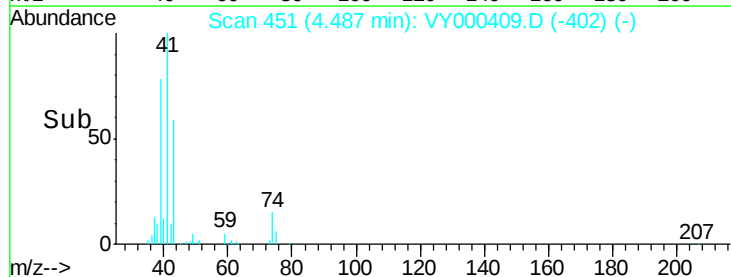
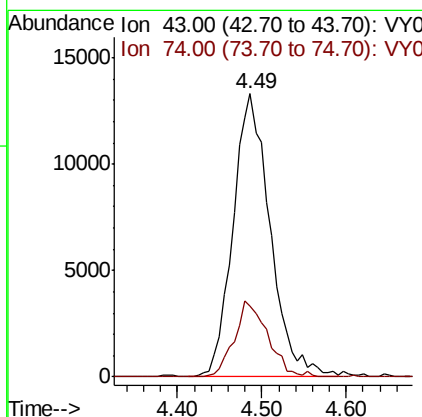
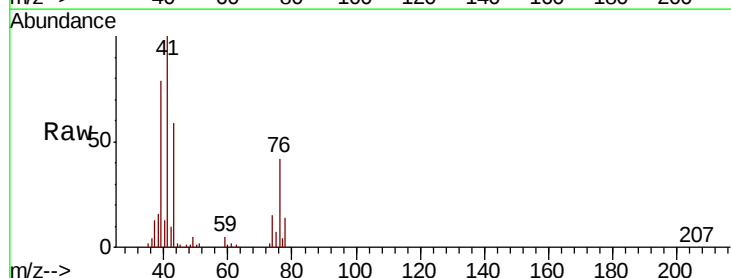
Manual Integrations
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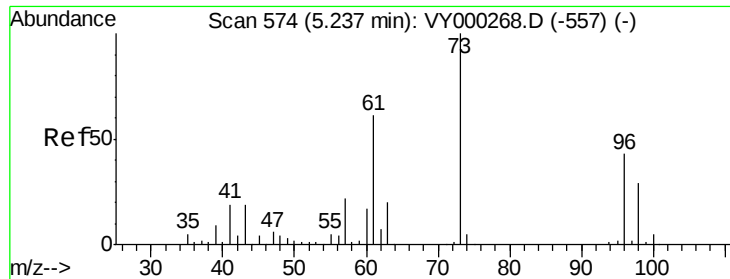
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#18
Methyl Acetate
Concen: 22.148 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	20.4	30.6





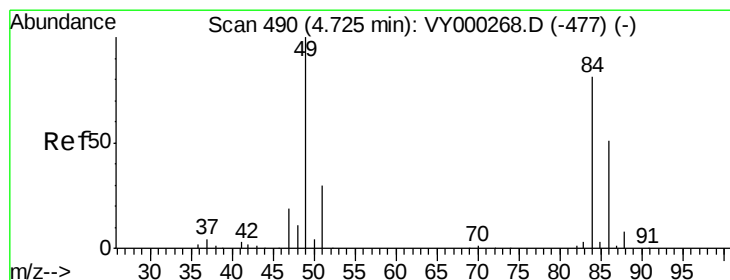
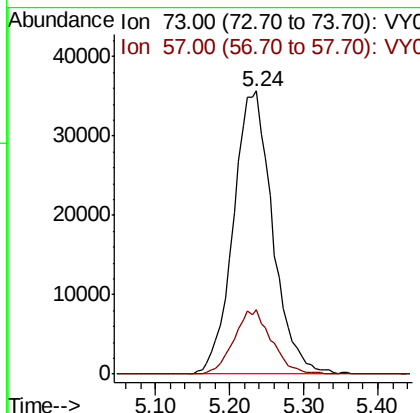
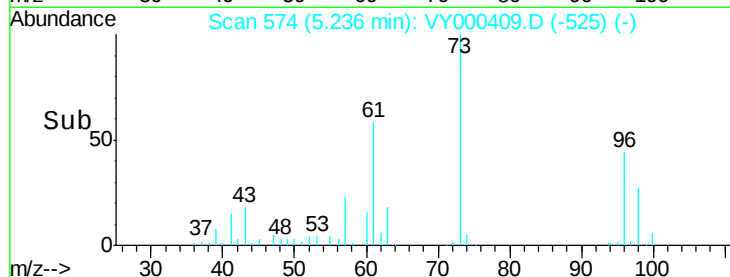
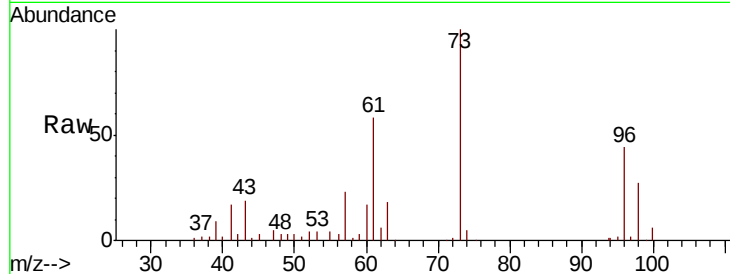
#19
Methvl tert-butvl Ether
Concen: 22.135 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion: 73 Resp: 131478
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.0

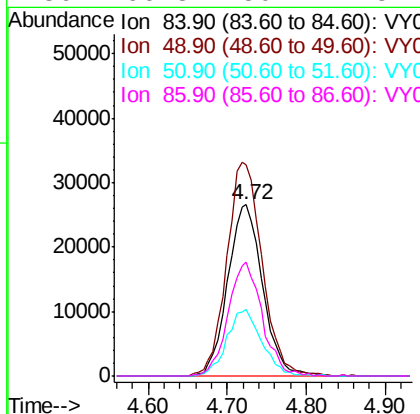
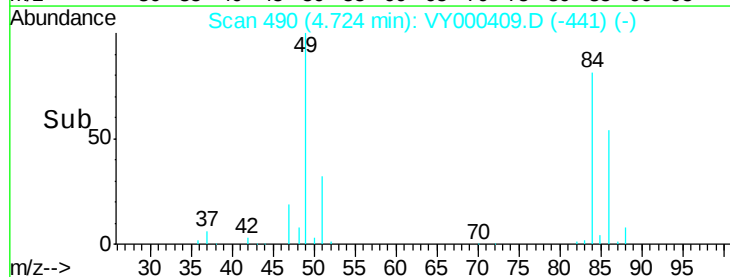
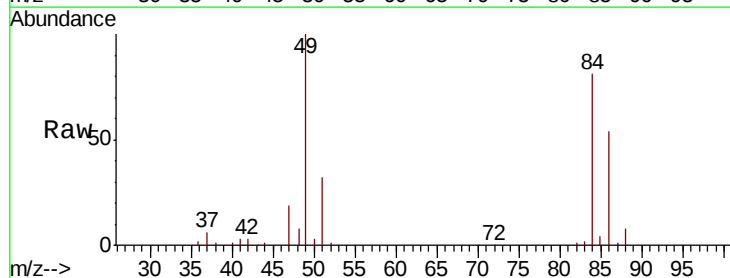
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#20
Methylene Chloride
Concen: 31.563 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion: 84 Resp: 81624
Ion Ratio Lower Upper
84 100
49 123.6 99.0 148.4
51 39.0 29.3 43.9
86 66.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 21.567 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 96 Resp: 52797

Ion Ratio Lower Upper

96 100

61 133.4 100.4 150.6

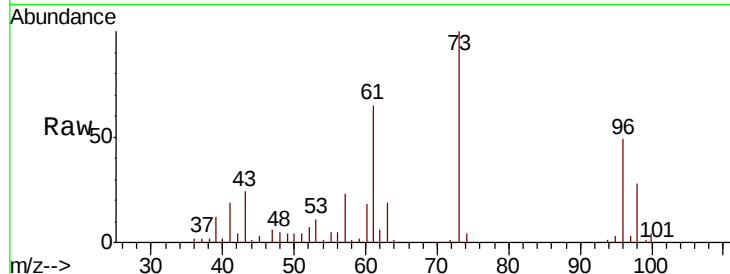
98 57.5 44.6 66.8

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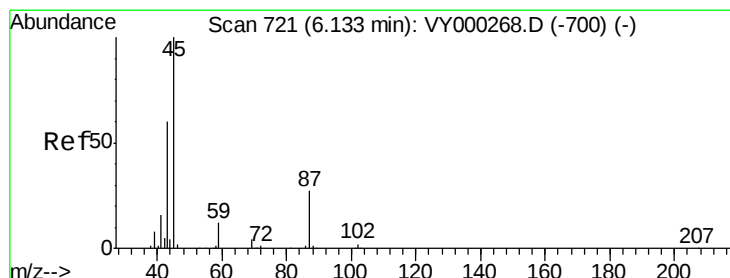
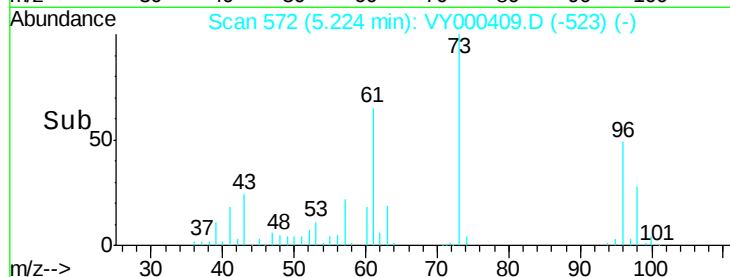
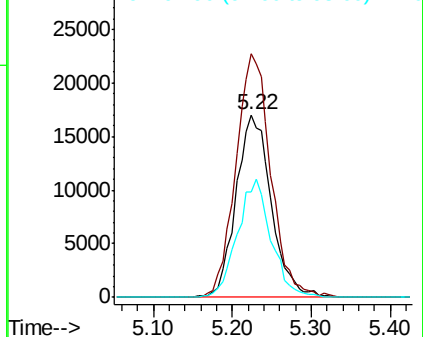


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 22.165 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion: 45 Resp: 165765

Ion Ratio Lower Upper

45 100

43 56.5 48.5 72.7

87 29.7 21.5 32.3

59 11.8 9.4 14.0

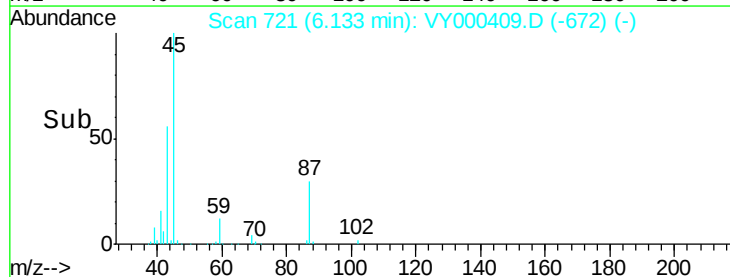
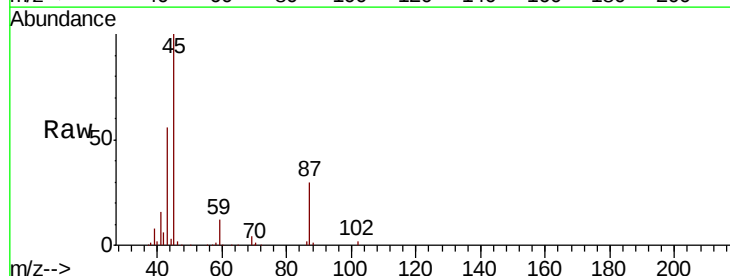
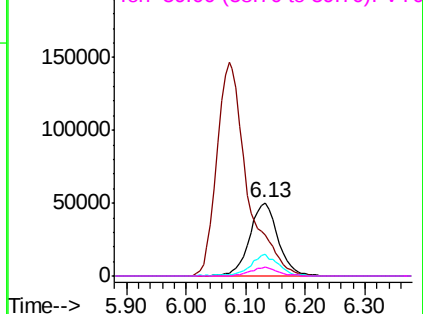
Abundance

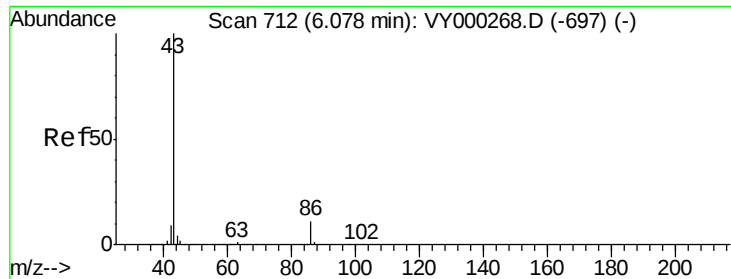
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 105.800 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 43 Resp: 516195

Ion Ratio Lower Upper

43 100

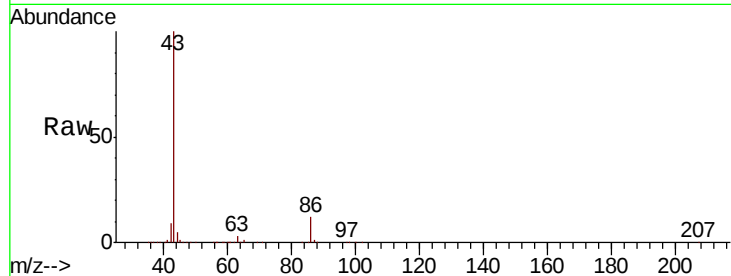
86 12.3 8.6 13.0

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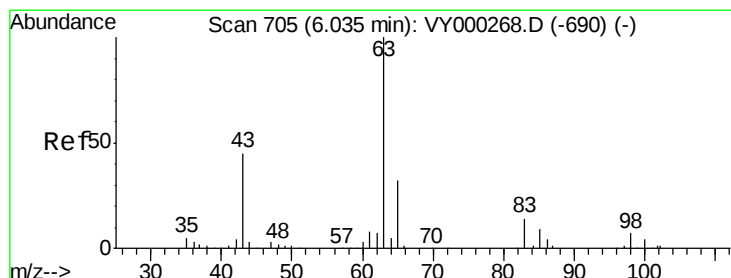
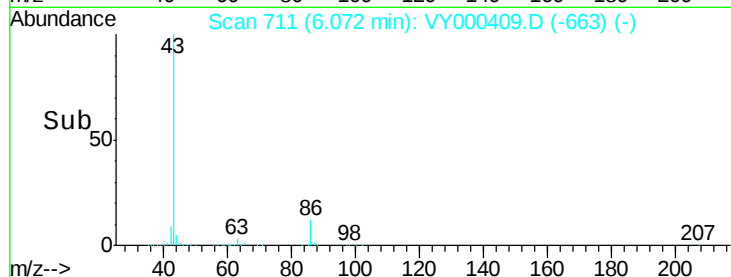
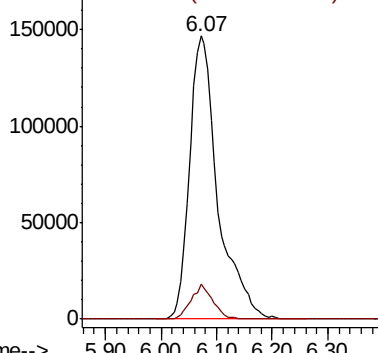
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 22.060 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

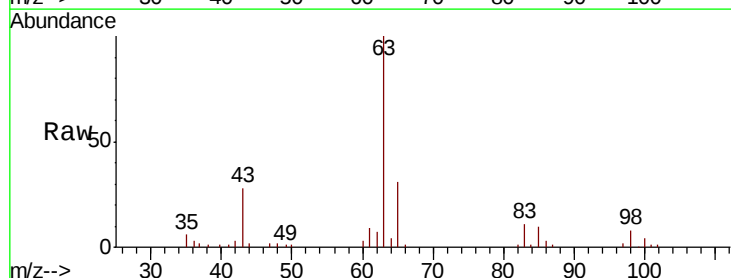
Tgt Ion: 63 Resp: 90051

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

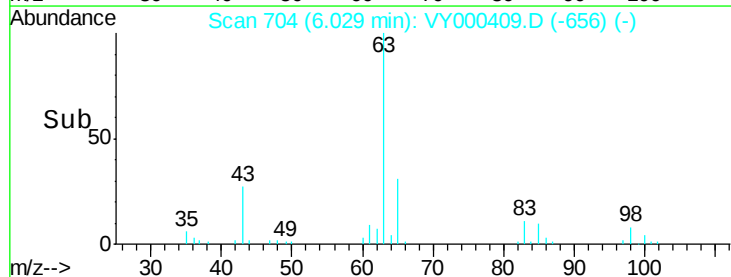
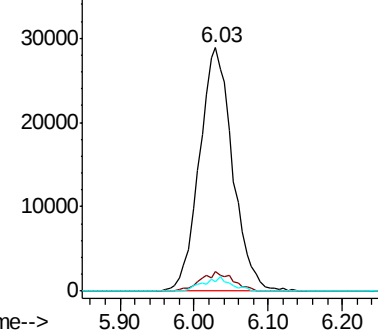
100 4.0 2.1 6.2

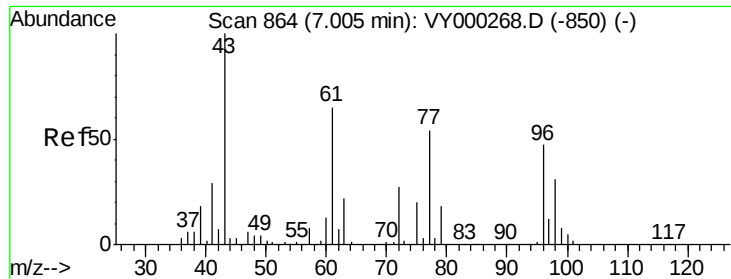


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 105.747 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 43 Resp: 107505

Ion Ratio Lower Upper

43 100

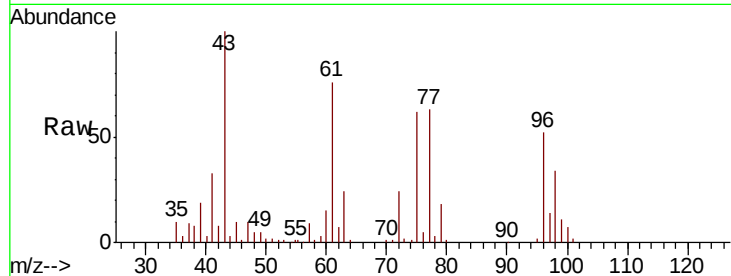
72 23.6 21.4 32.2

Manual Integrations

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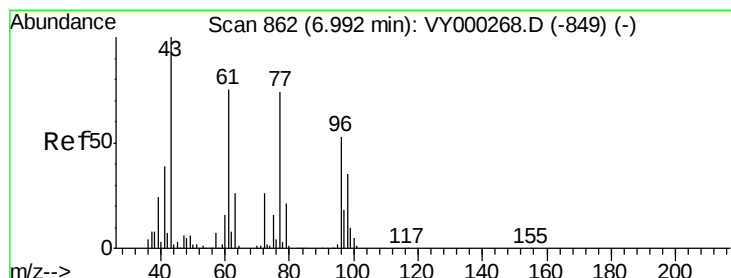
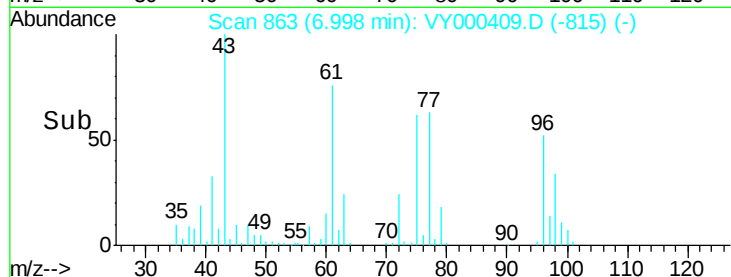
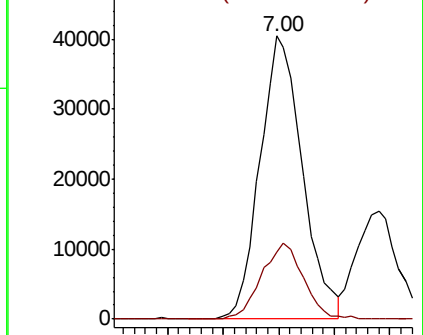
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 22.264 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000409.D

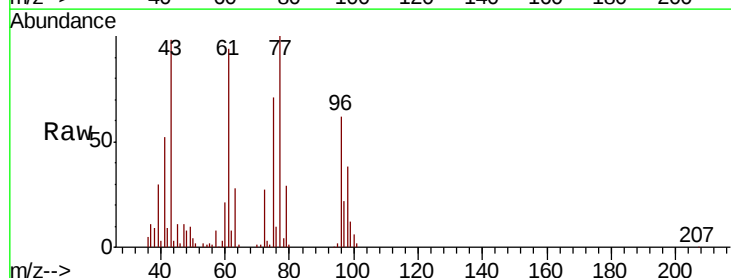
Acq: 24 Oct 2019 15:03

Tgt Ion: 77 Resp: 83745

Ion Ratio Lower Upper

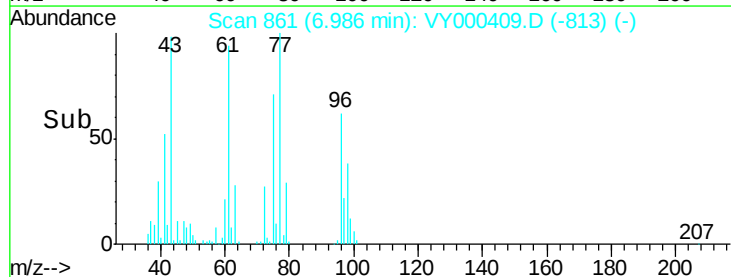
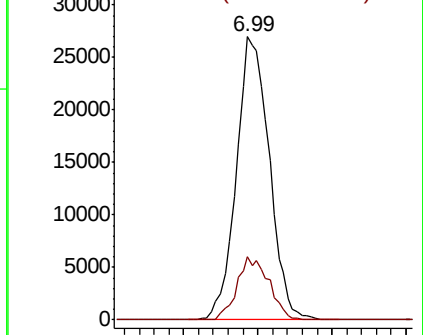
77 100

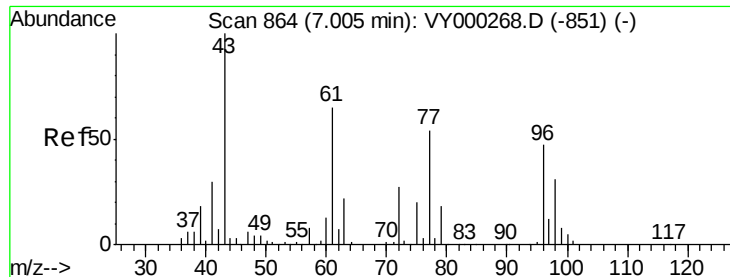
97 21.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

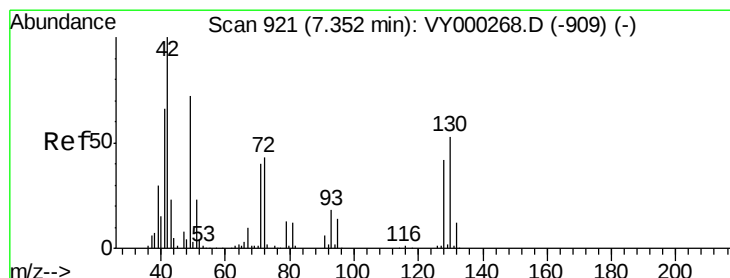
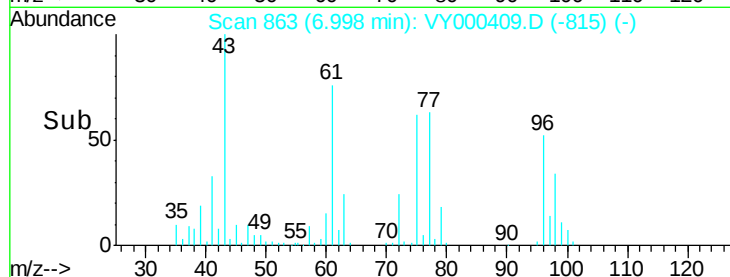
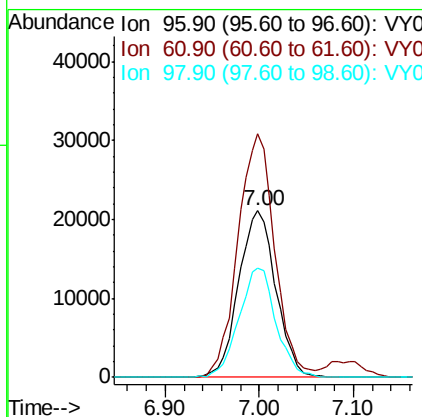
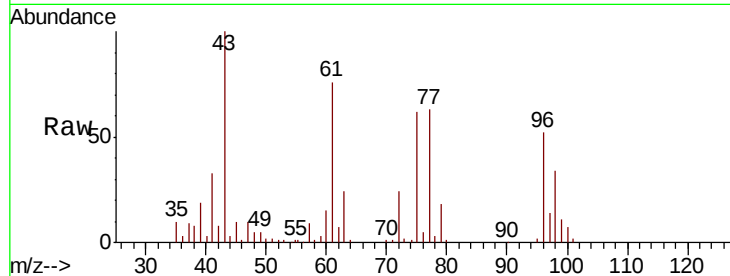
cis-1,2-Dichloroethene
Concen: 22.010 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	289.8
98	65.2	0.0	131.8

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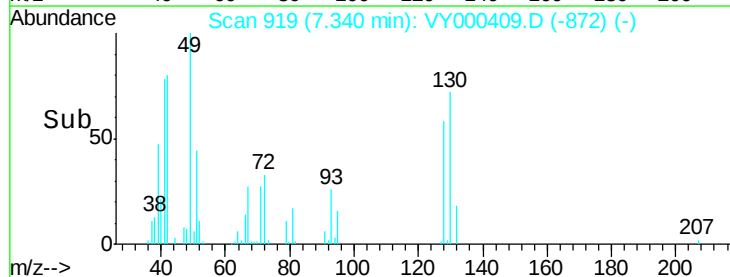
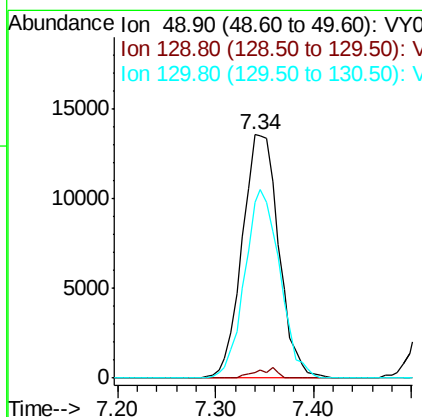
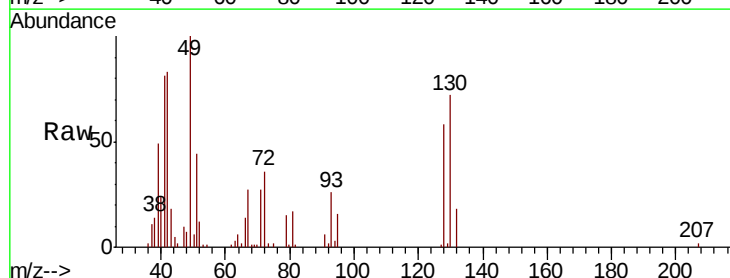
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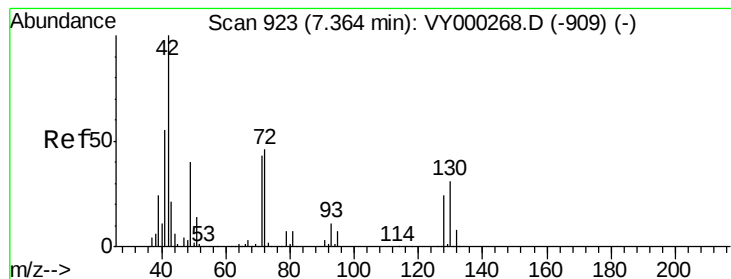


#28

Bromochloromethane
Concen: 20.166 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	74.3	58.2	87.2





#29

Tetrahydrofuran

Concen: 104.122 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

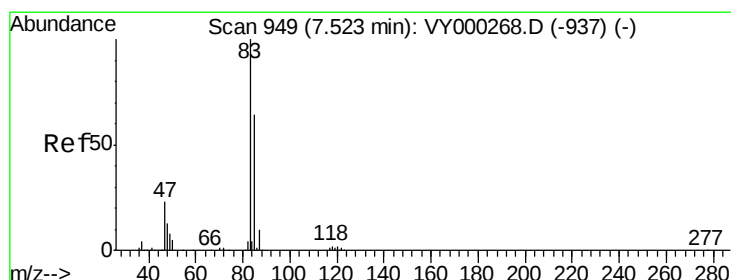
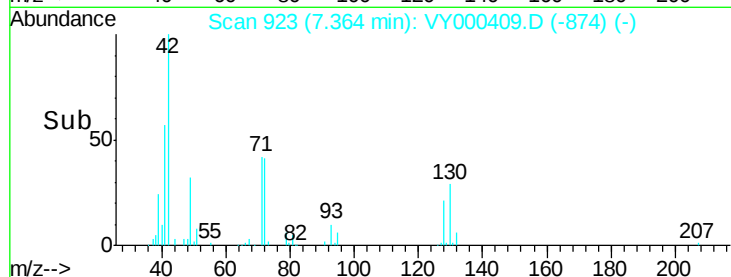
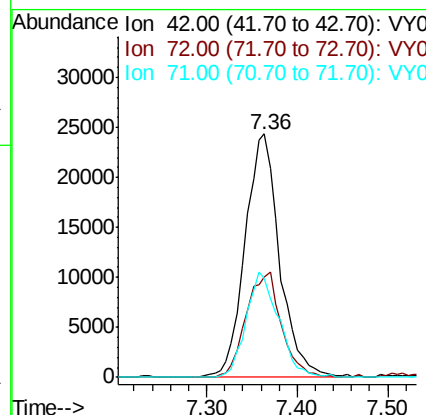
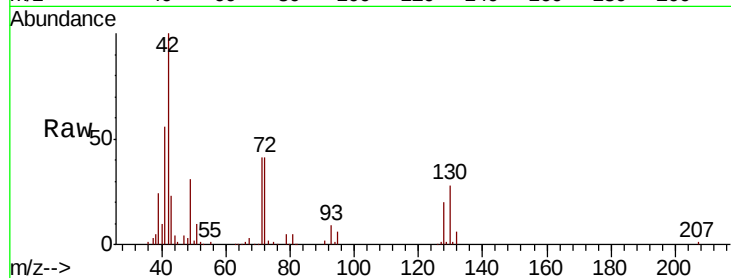
ClientSampleId :

VY1024SBS02

Tot Ion:	42	Resp:	64151
Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.5	51.7
71	40.9	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 22.061 ug/l

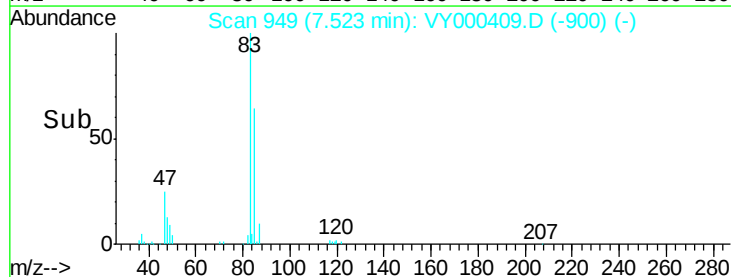
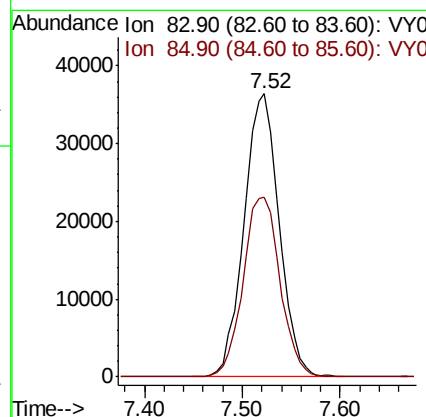
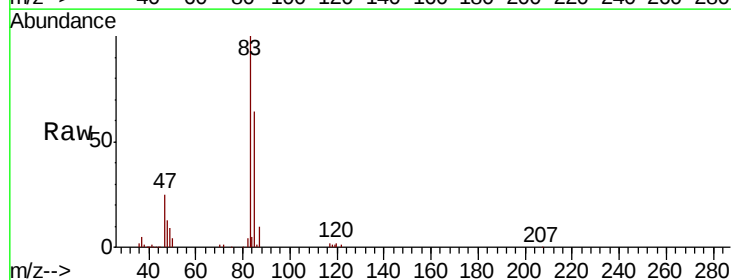
RT: 7.52 min Scan# 949

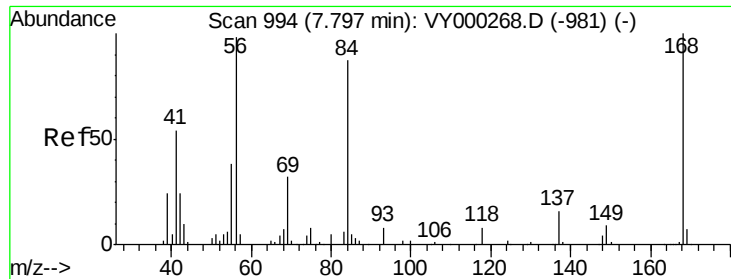
Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion:	83	Resp:	90694
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





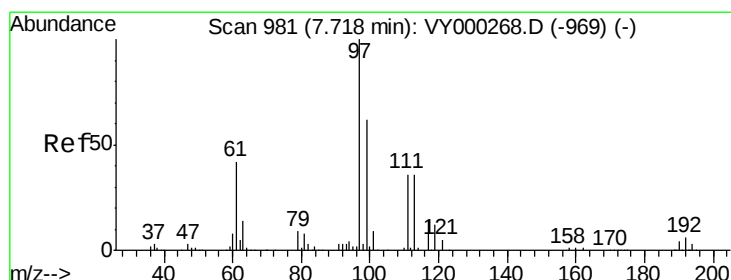
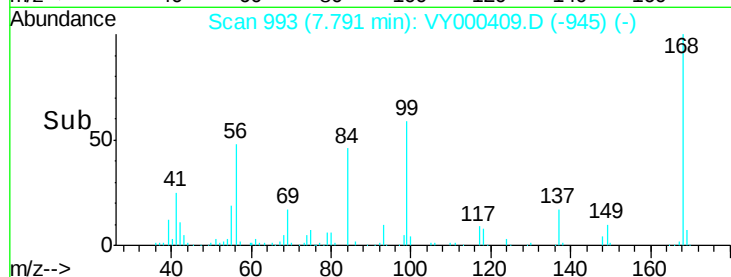
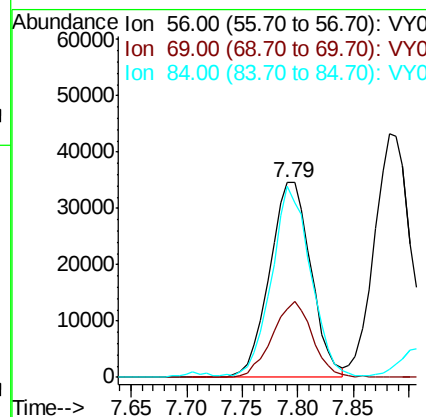
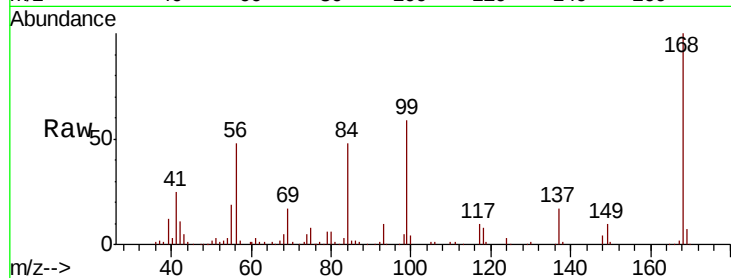
#31
Cyclohexane
Concen: 21.048 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	56	69	84	Resp	Lower	Upper
56	100					
69	35.3	26.3				
84	95.8	70.8				

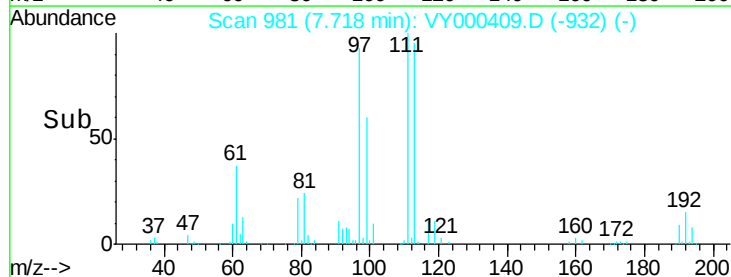
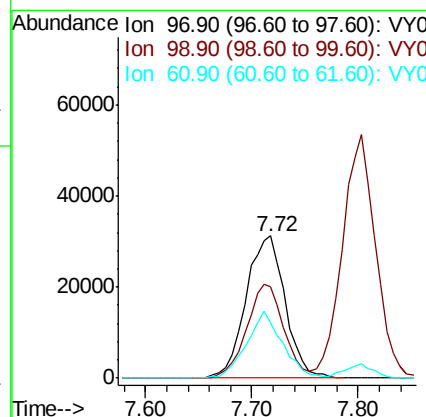
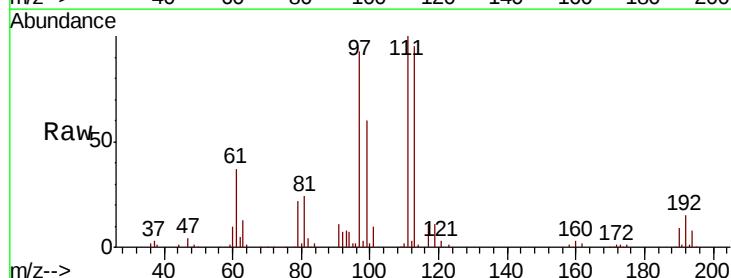
Manual Integrations
APPROVED

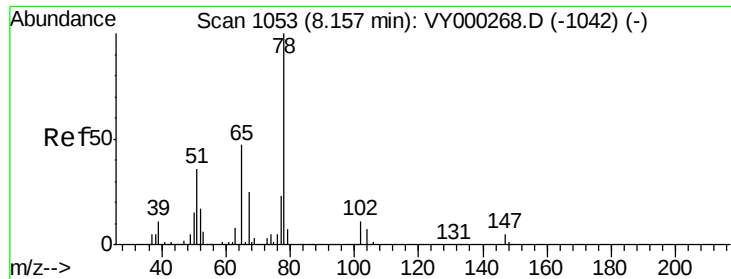
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#32
1,1,1-Trichloroethane
Concen: 22.009 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	97	111	Resp	Lower	Upper
97	100				
111	62.4	51.7			
61	42.7	34.5			





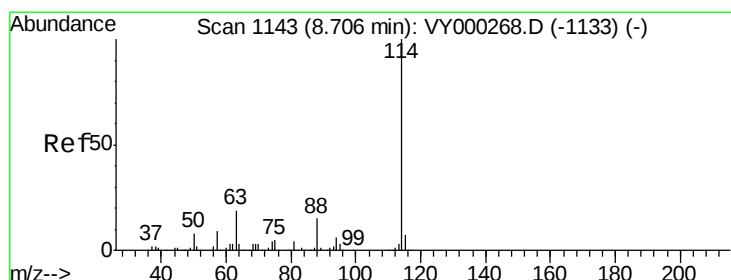
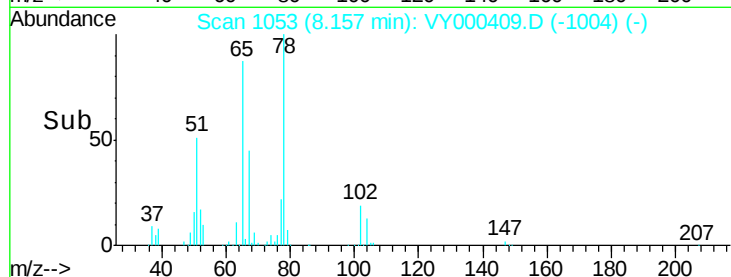
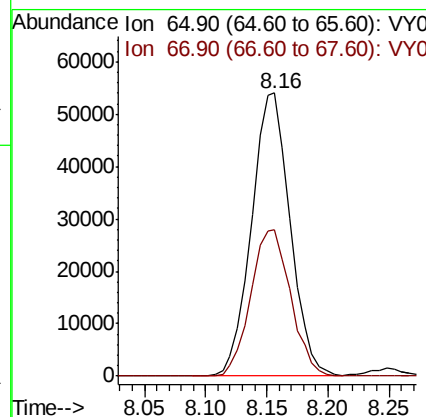
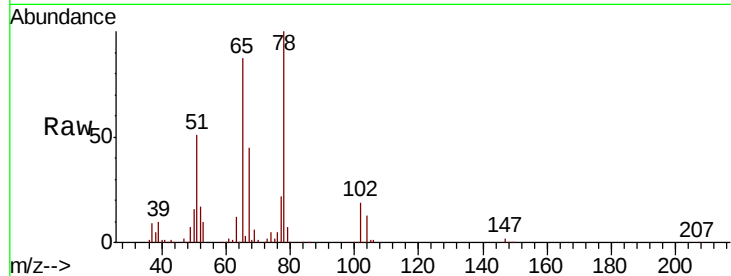
#33
 1,2-Dichloroethane-d4
 Concen: 53.313 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	109.4	

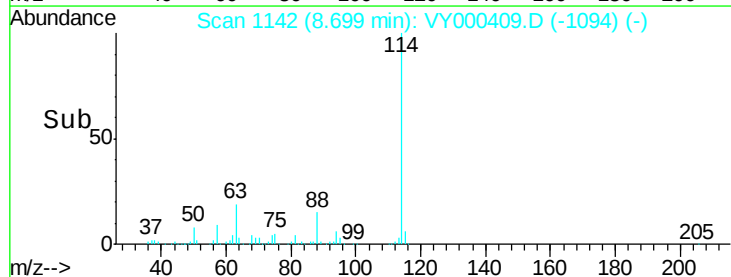
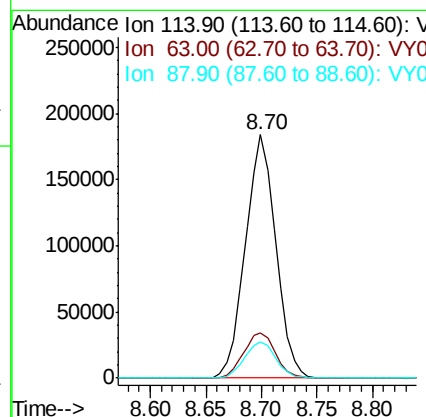
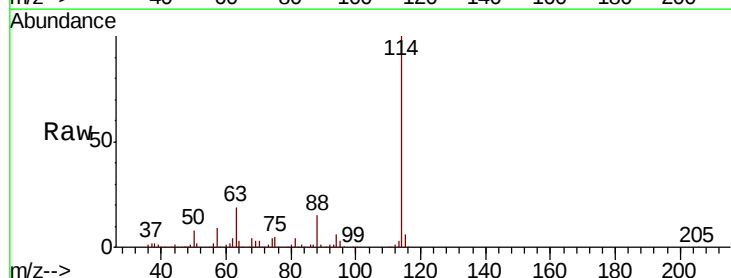
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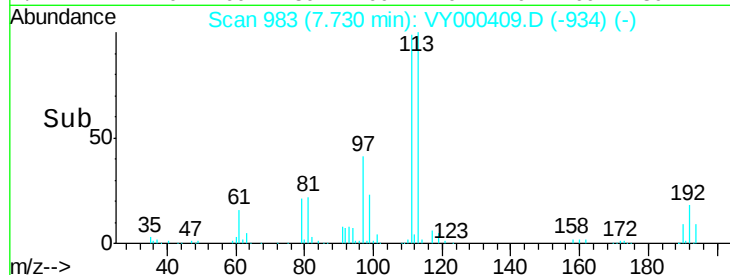
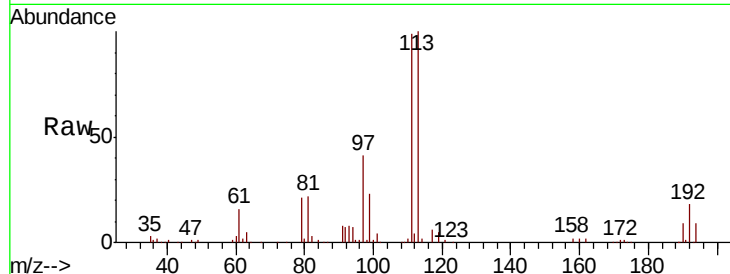
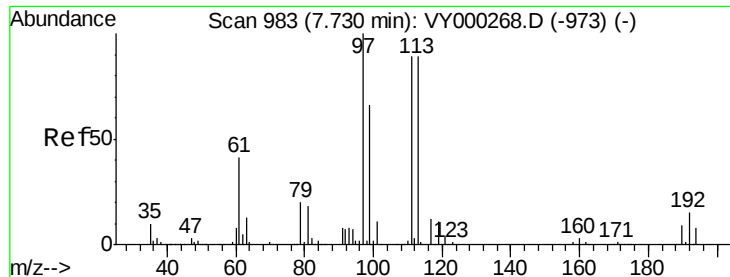
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	37.2	
88	14.7	0.0	30.2	





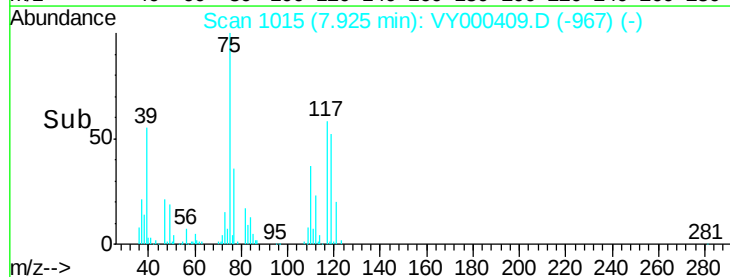
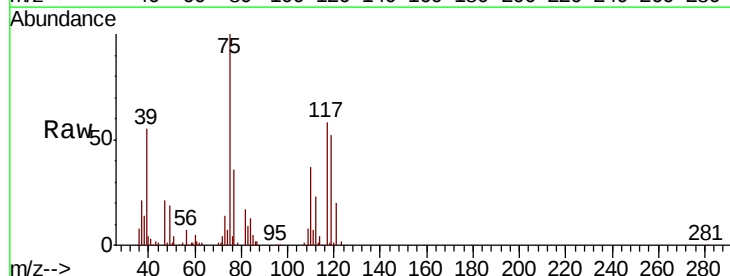
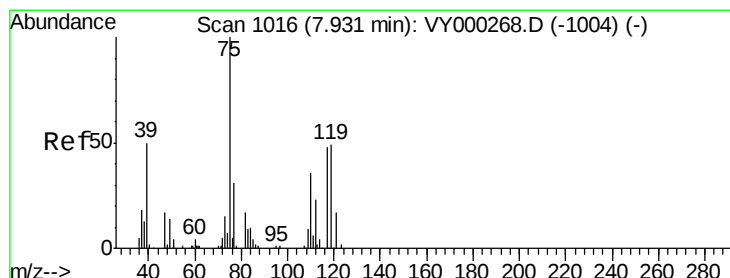
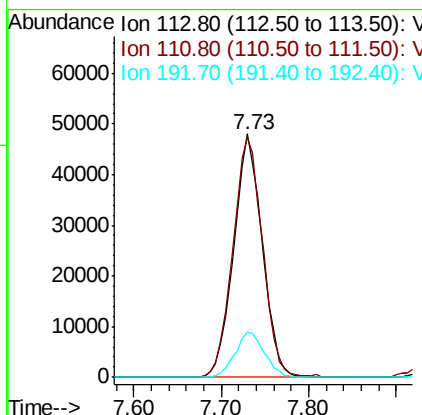
#35
Dibromofluoromethane
Concen: 51.694 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108968		
111	102.4		81.6	122.4
192	19.1		15.3	22.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

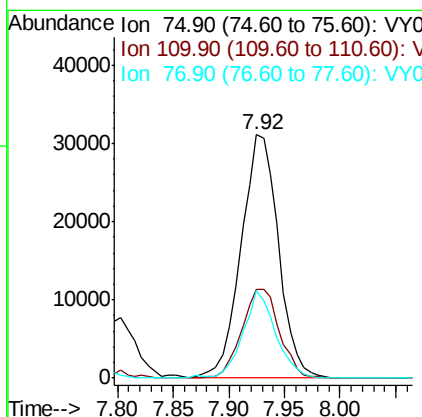
Manual Integrations
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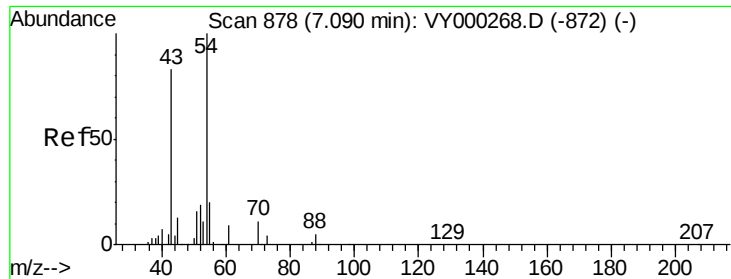
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#36
1,1-Dichloropropene
Concen: 21.243 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72681		
110	36.9		18.4	55.4
77	31.4		25.0	37.6





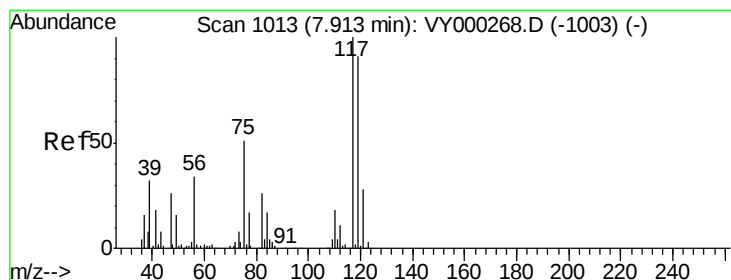
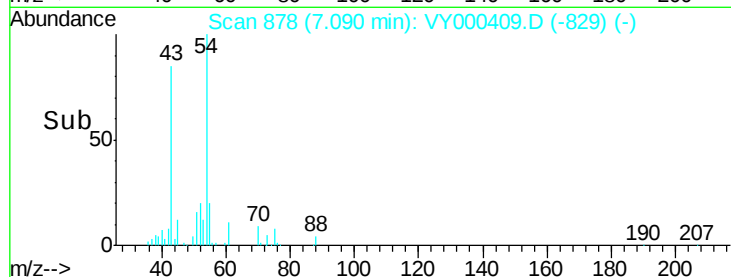
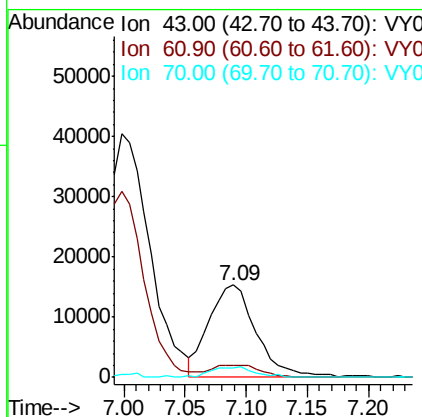
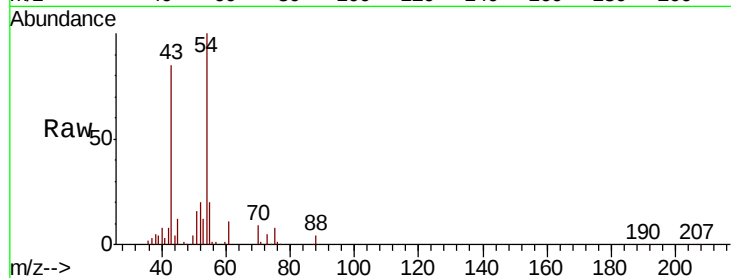
#37
Ethyl Acetate
Concen: 20.204 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.1	18.1
70	10.5	8.7	13.1

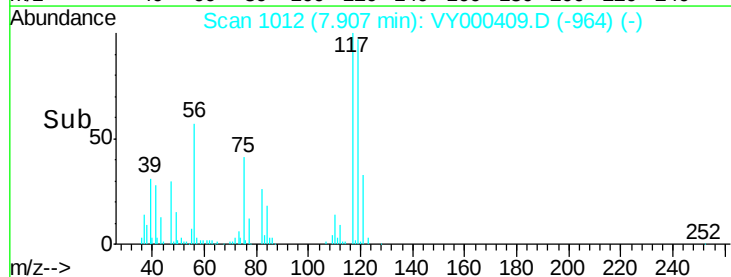
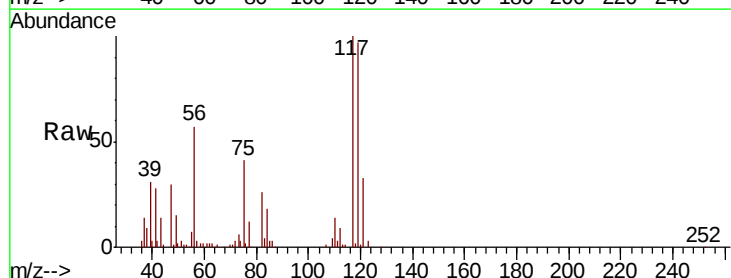
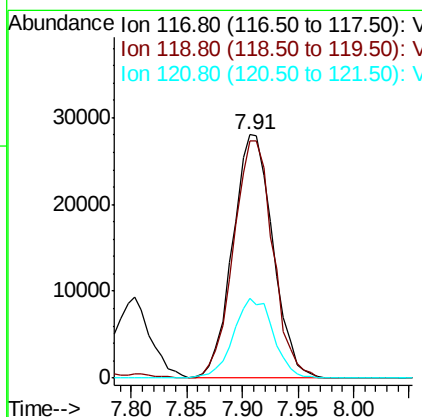
Manual Integrations
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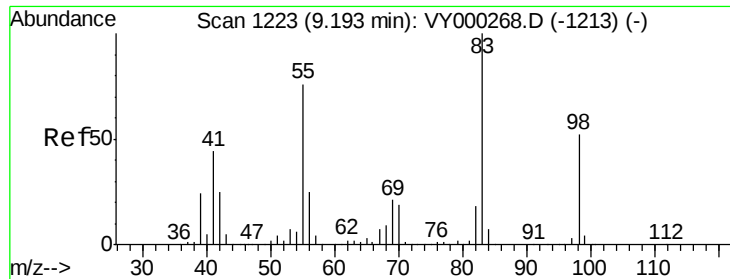
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#38
Carbon Tetrachloride
Concen: 21.222 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	72.8	109.2
121	33.0	22.2	33.2





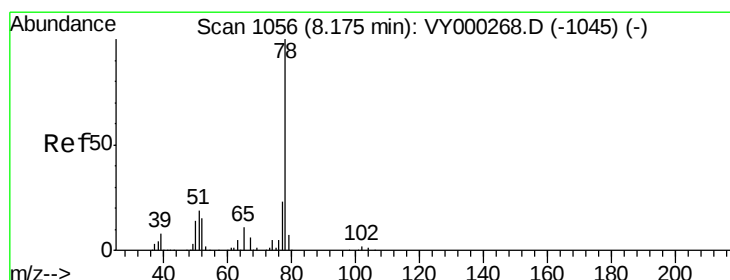
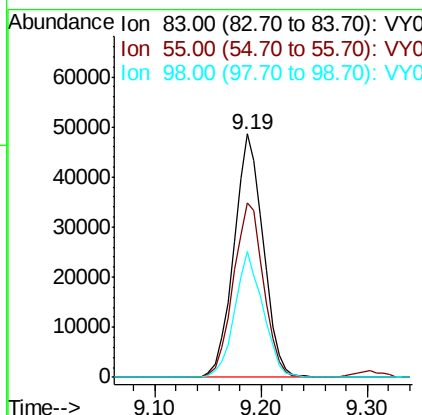
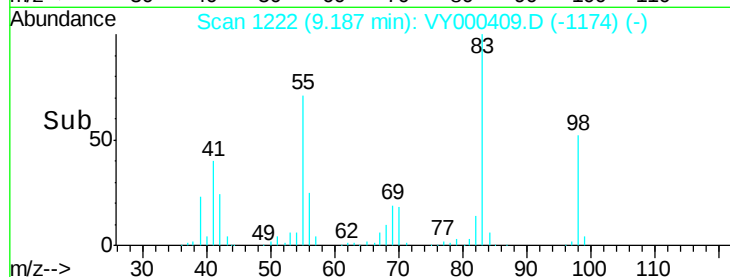
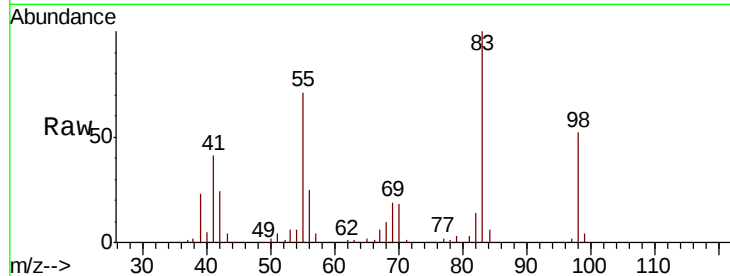
#39
Methvlcvclohexane
Concen: 20.926 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	60.9	91.3
98	51.9	41.8	62.6

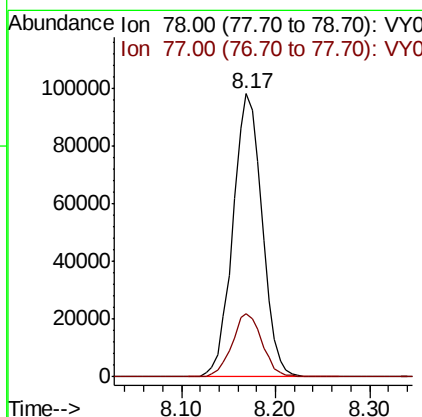
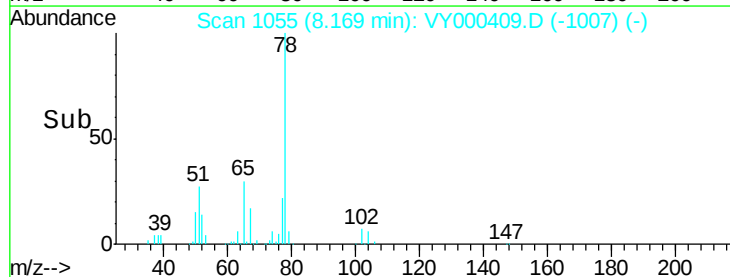
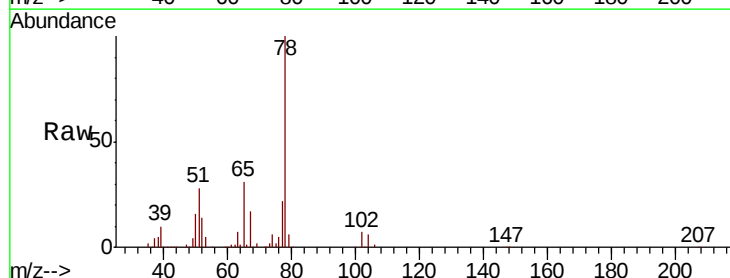
Manual Integrations
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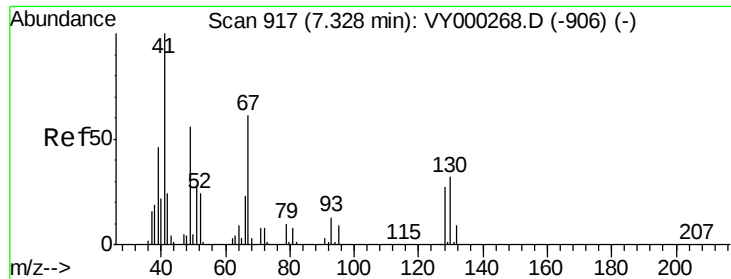
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#40
Benzene
Concen: 21.502 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.8	28.2





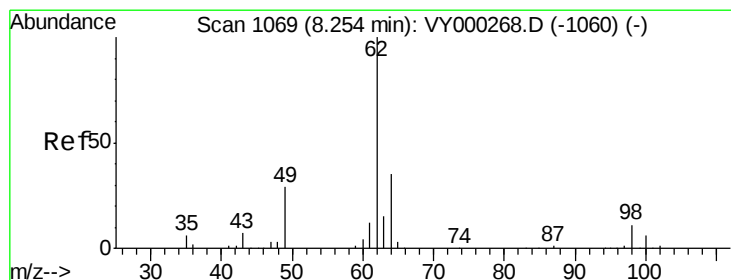
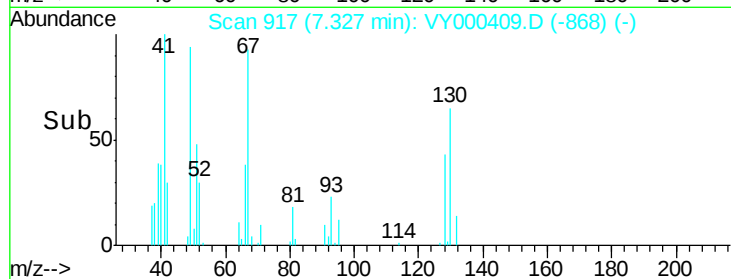
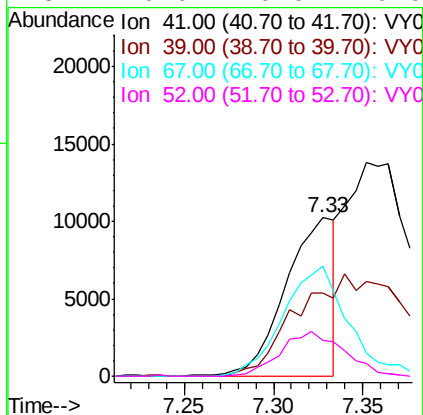
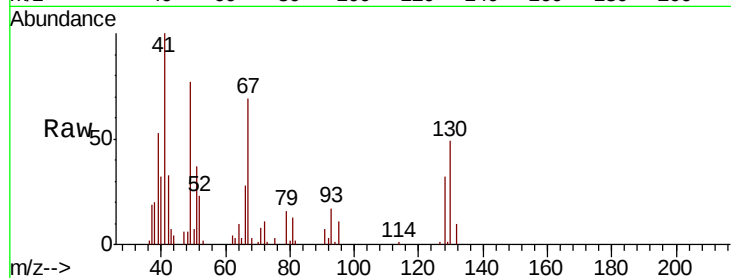
#41
Methacrylonitrile
Concen: 20.787 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	41	Resp	20045
Ion	Ratio	Lower	Upper
41	100		
39	140.1	110.2	165.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

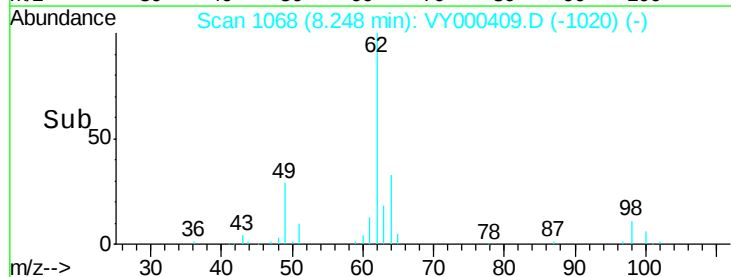
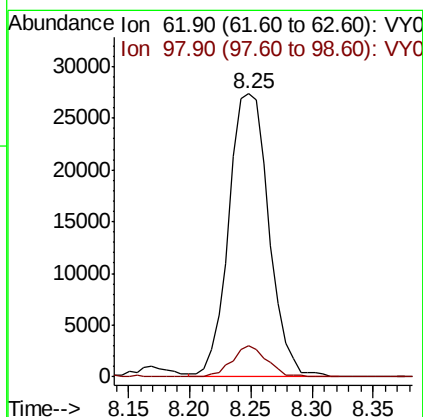
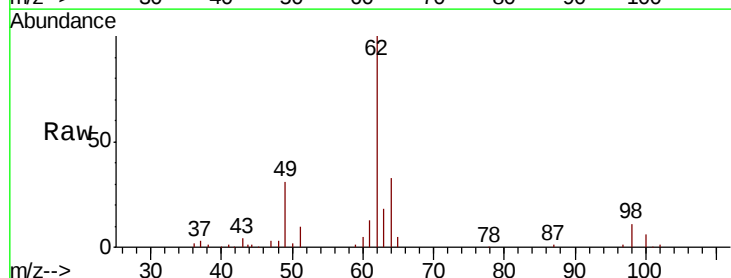
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 21.982 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	62	Resp	62084
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





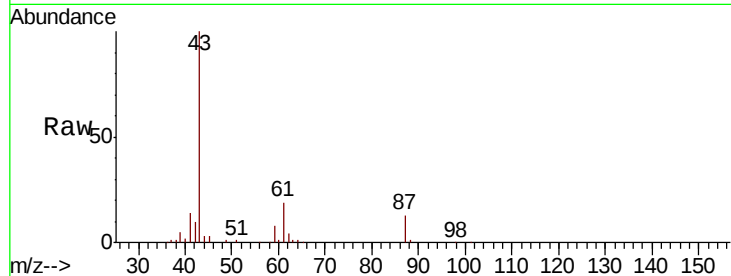
#43
Isopropyl Acetate
Concen: 21.125 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	43	61	87
Resp	81373		
Ratio	100	28.6	13.7
Lower		22.3	10.9
Upper		33.5	16.3

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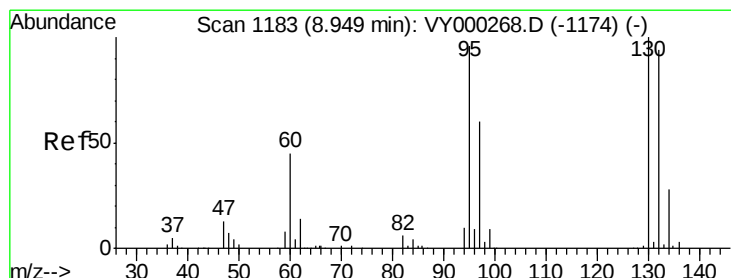
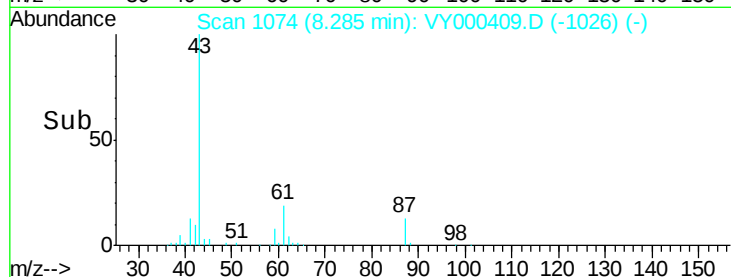
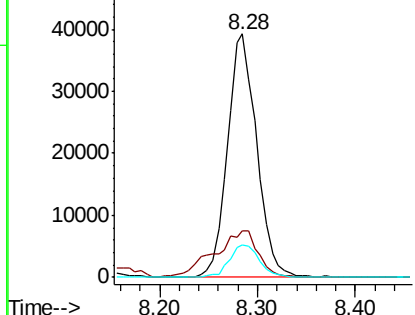


Abundance

Ion 43.00 (42.70 to 43.70): VY000409.D (-1026) (-)

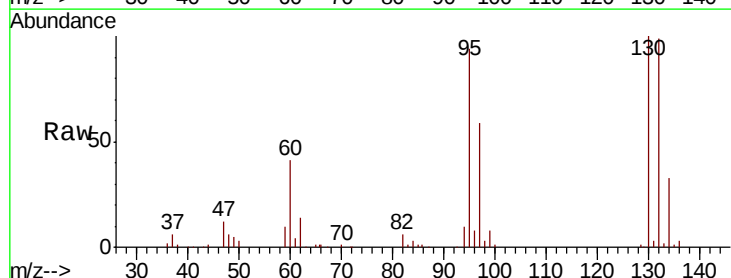
Ion 61.00 (60.70 to 61.70): VY000409.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY000409.D (-1026) (-)



#44
Trichloroethene
Concen: 21.058 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

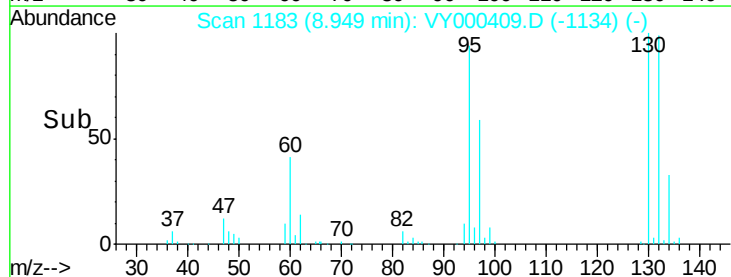
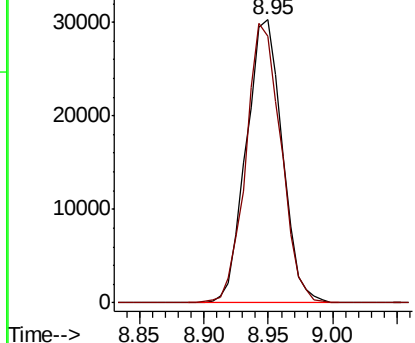
Tgt Ion	130	95
Resp	58420	
Ratio	100	94.4
Lower		0.0
Upper		191.4

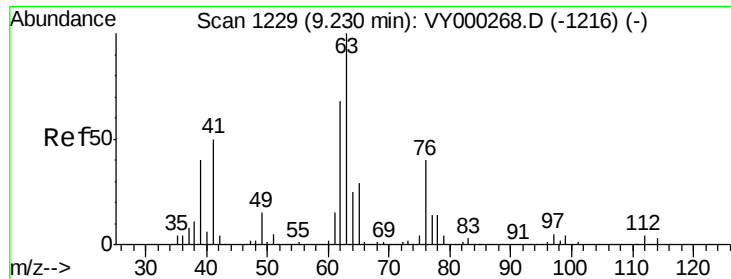


Abundance

Ion 129.80 (129.50 to 130.50): VY000409.D (-1134) (-)

Ion 94.90 (94.60 to 95.60): VY000409.D (-1134) (-)





#45

1,2-Dichloropropane

Concen: 22.373 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 63 Resp: 54286

Ion Ratio Lower Upper

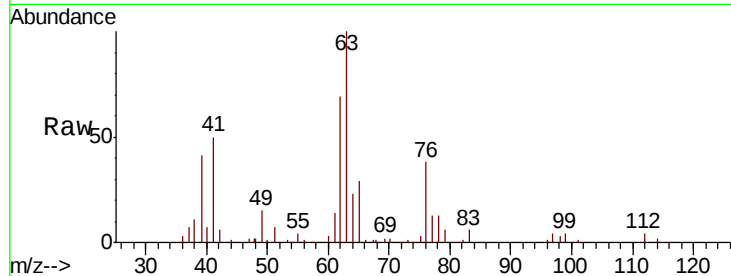
63 100

65 28.6 23.2 34.8

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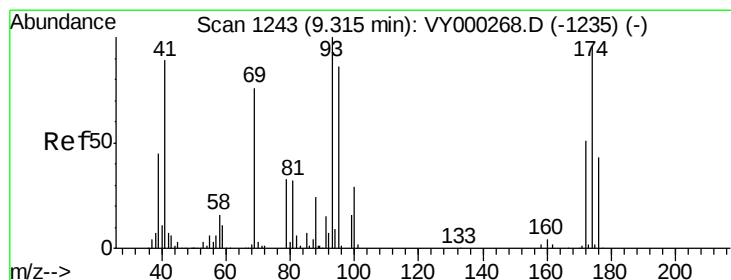
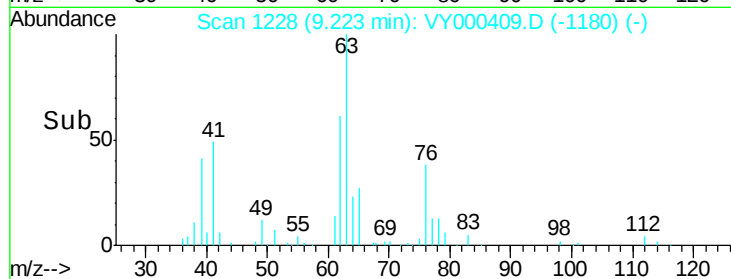
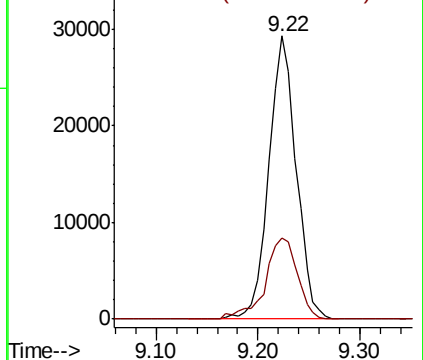
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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.029 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

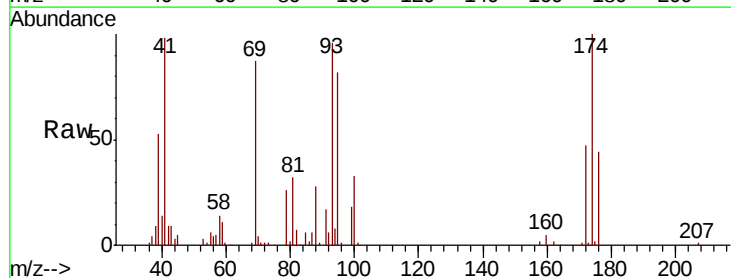
Tgt Ion: 93 Resp: 28524

Ion Ratio Lower Upper

93 100

95 84.9 68.2 102.2

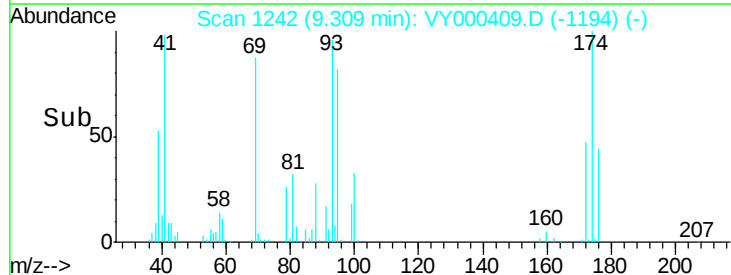
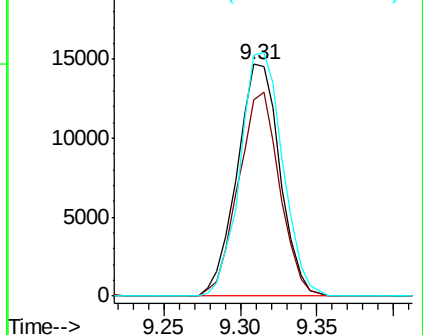
174 104.3 79.8 119.6

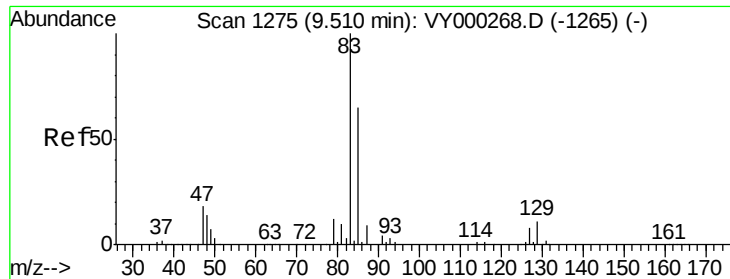


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.729 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

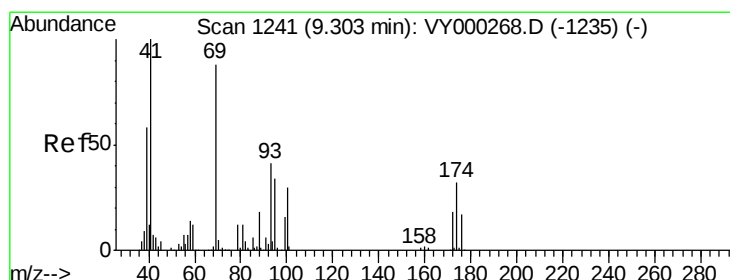
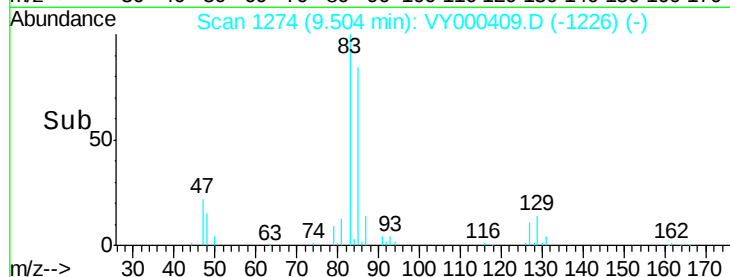
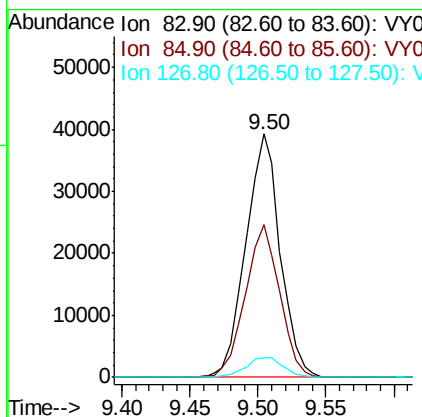
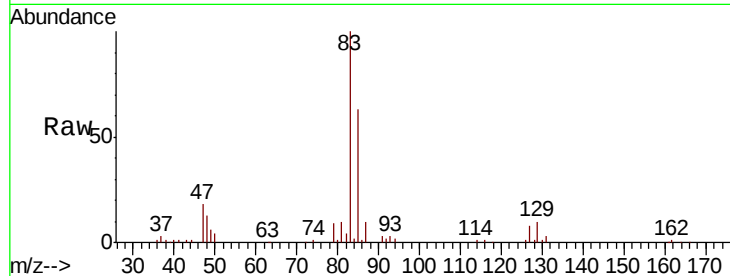
ClientSampleId :

VY1024SBS02

Tot Ion:	83	Resp:	69460
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.2
127	8.2	6.3	9.5

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#48

Methyl methacrylate

Concen: 20.863 ug/l

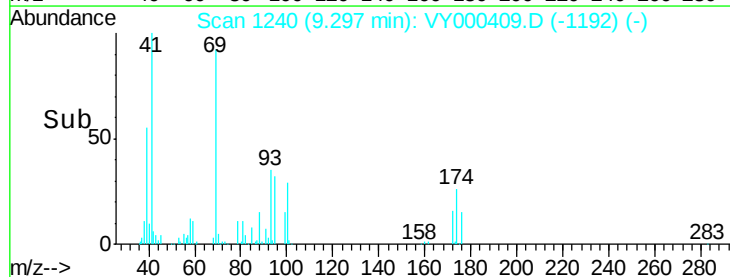
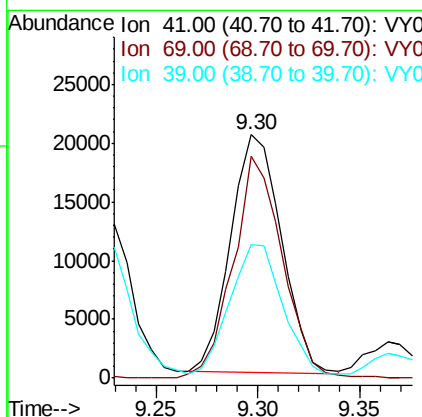
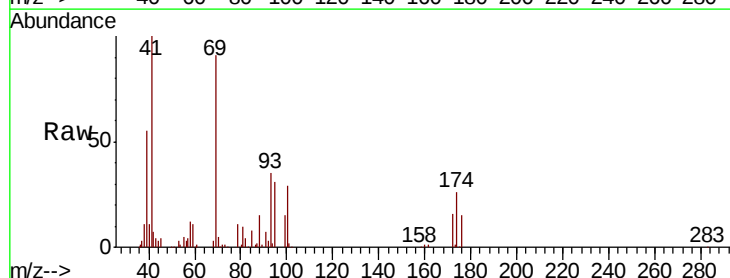
RT: 9.30 min Scan# 1240

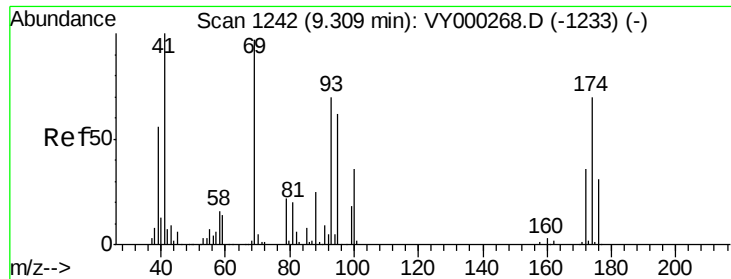
Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion:	41	Resp:	35220
Ion	Ratio	Lower	Upper
41	100		
69	90.2	70.0	105.0
39	59.3	47.7	71.5





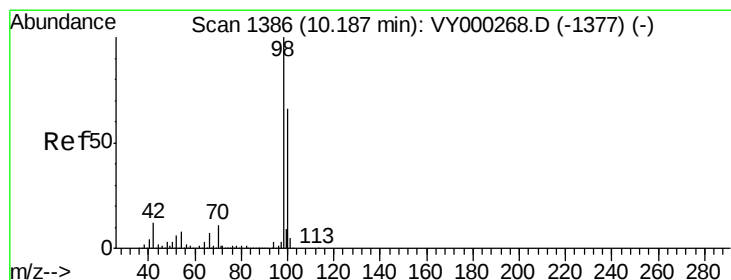
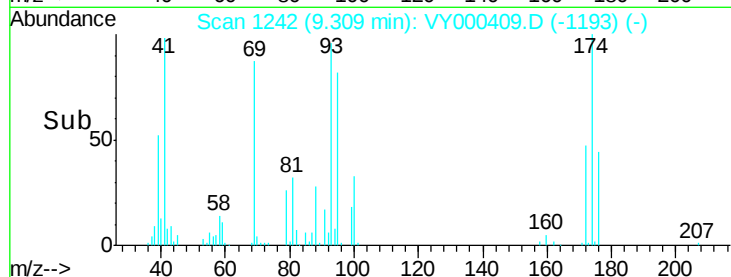
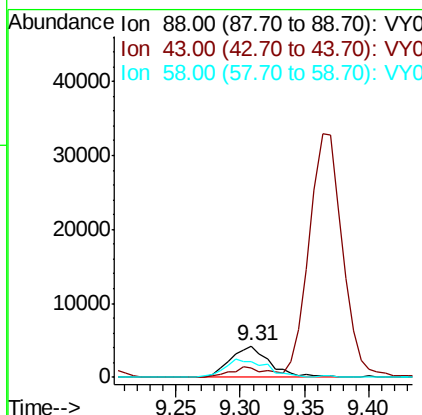
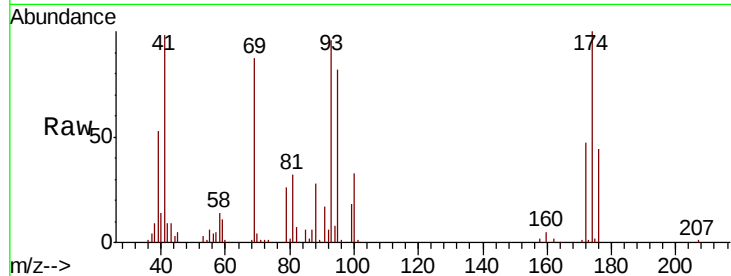
#49
1,4-Dioxane
Concen: 442.480 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	88	Resp	8999
Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.6	38.4
58	63.1	54.6	81.8

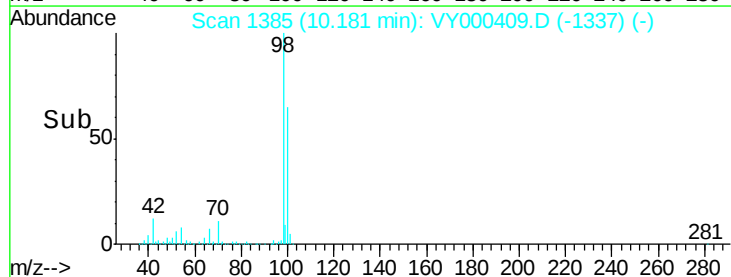
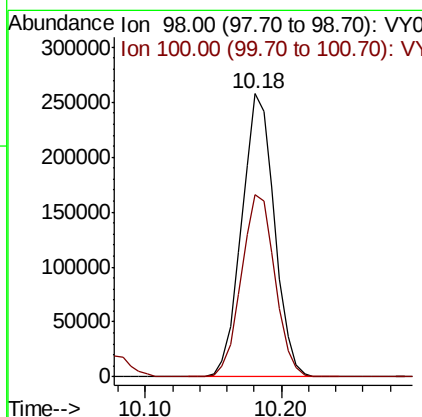
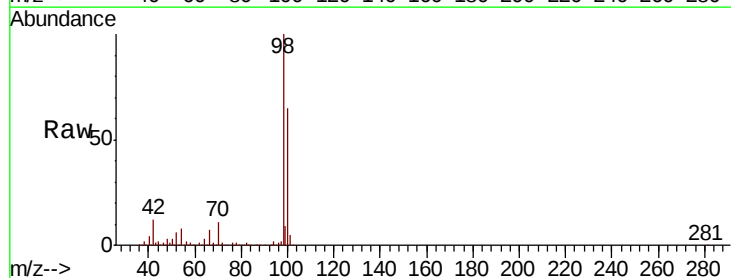
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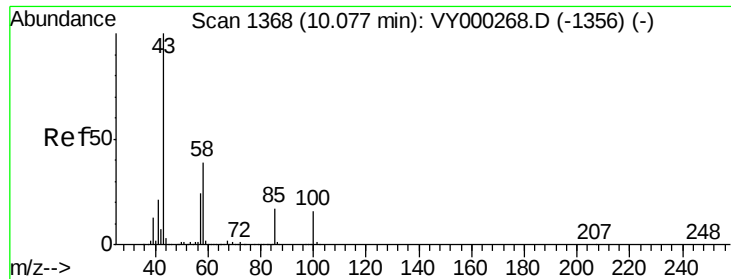
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#50
Toluene-d8
Concen: 53.397 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	98	Resp	432978
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





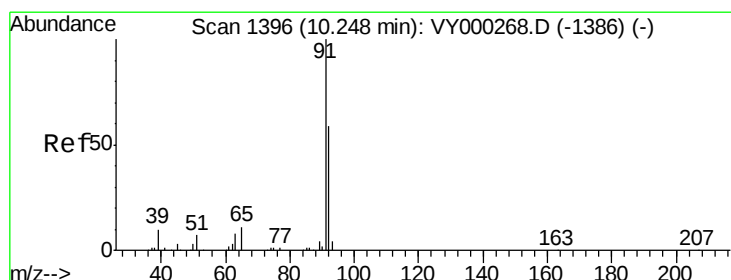
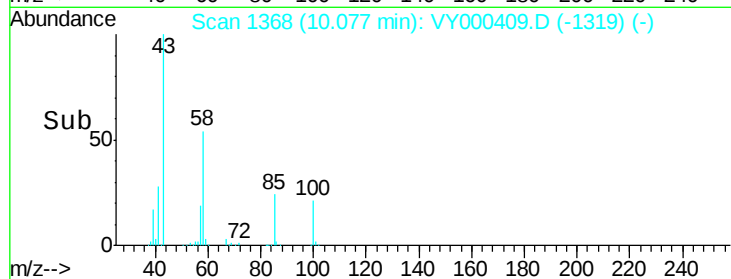
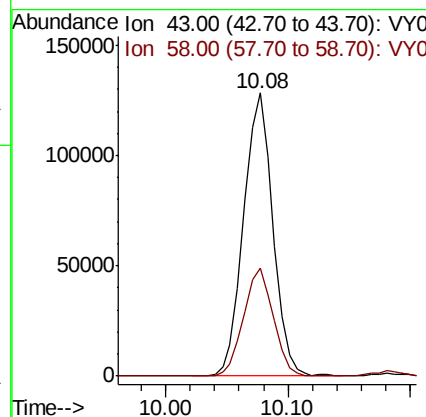
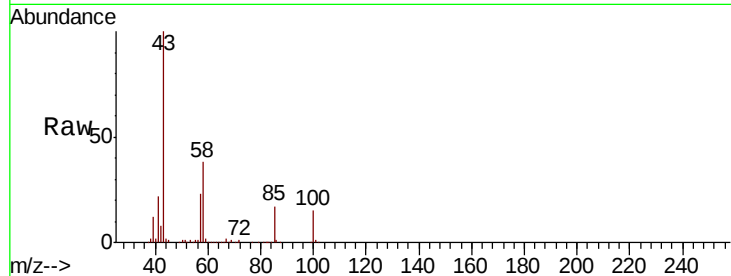
#51
4-Methyl-2-Pentanone
Concen: 107.016 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.0	46.6

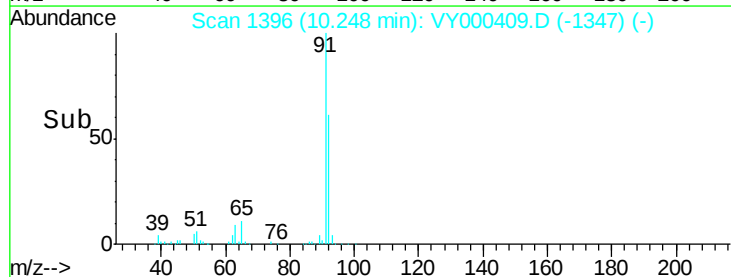
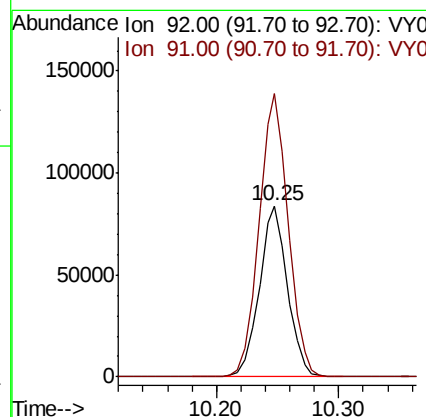
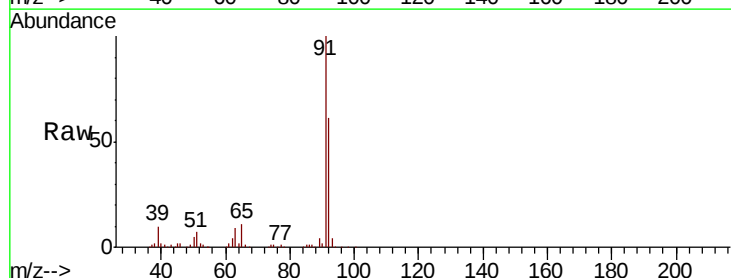
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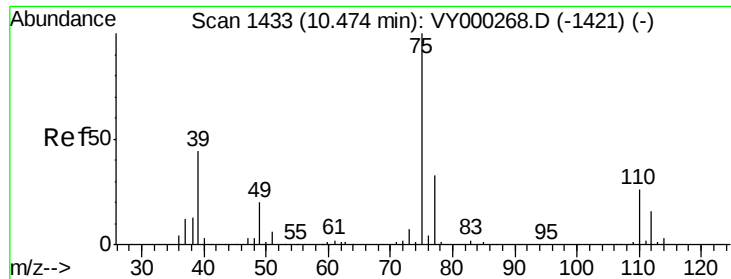
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#52
Toluene
Concen: 21.426 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.6	205.0





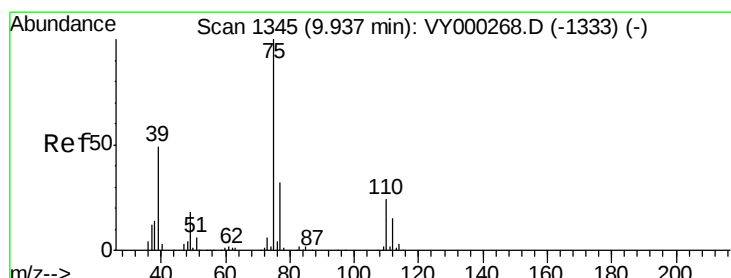
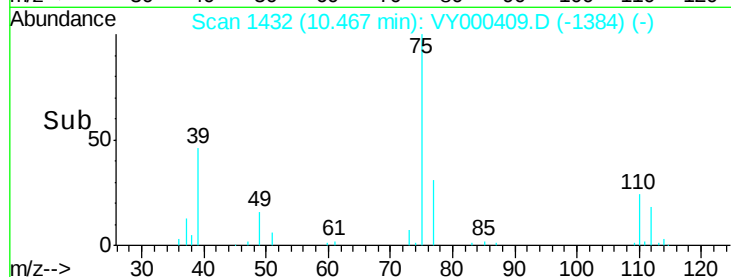
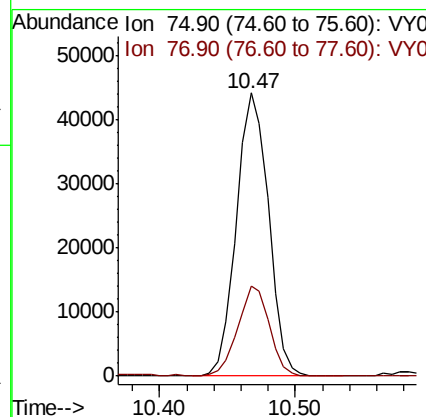
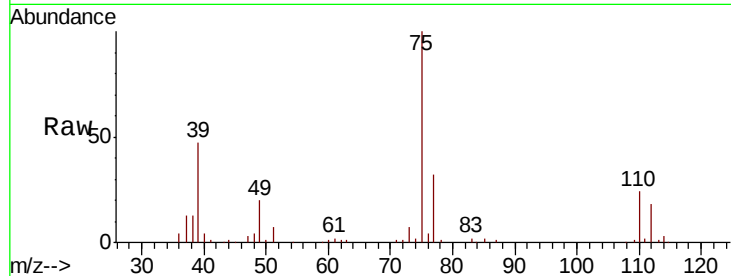
#53
 t-1,3-Dichloropropene
 Concen: 21.234 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS02

Tot Ion: 75 Resp: 72745
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.0 39.0

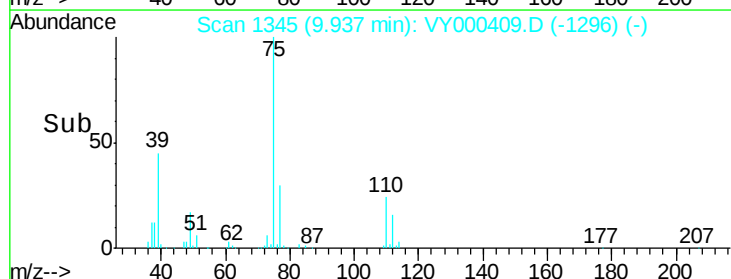
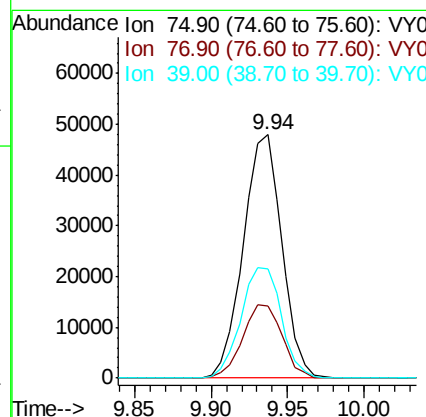
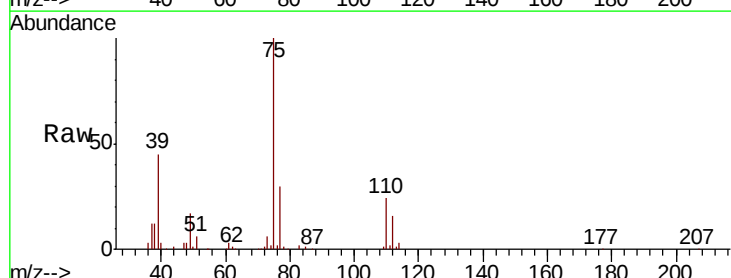
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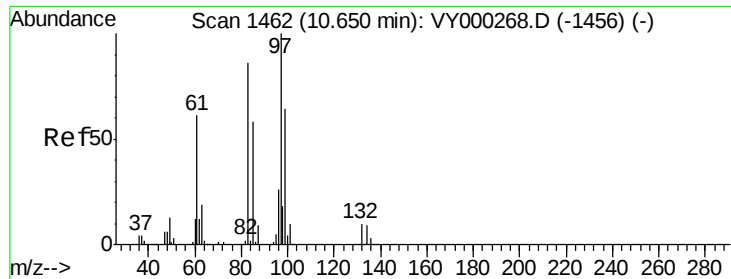
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#54
 cis-1,3-Dichloropropene
 Concen: 21.644 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Tgt Ion: 75 Resp: 84208
 Ion Ratio Lower Upper
 75 100
 77 29.8 26.0 39.0
 39 44.6 38.8 58.2





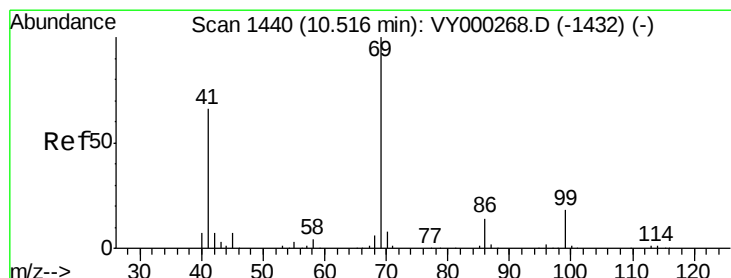
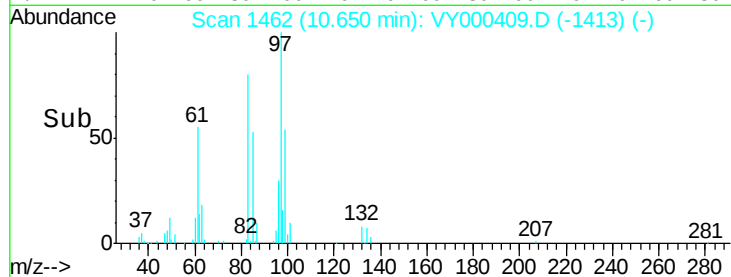
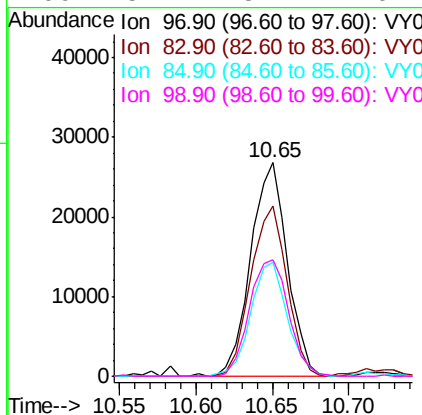
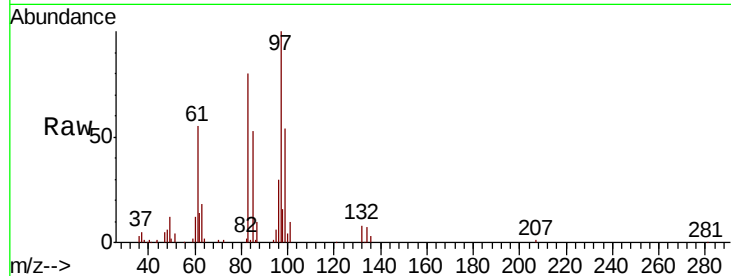
#55
1,1,2-Trichloroethane
Concen: 22.707 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	79.9	69.0	103.6		
85	53.4	46.2	69.4		
99	54.4	51.1	76.7		

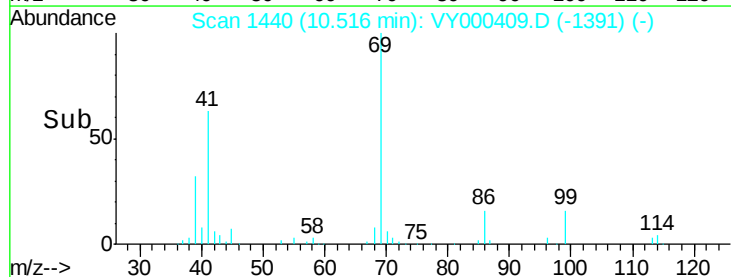
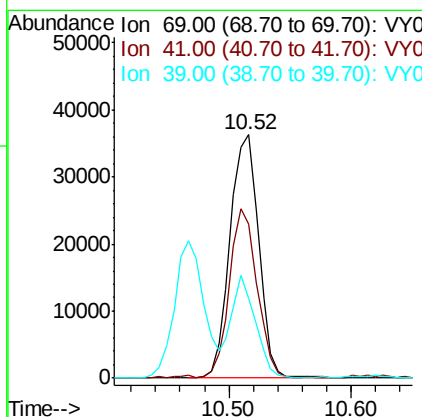
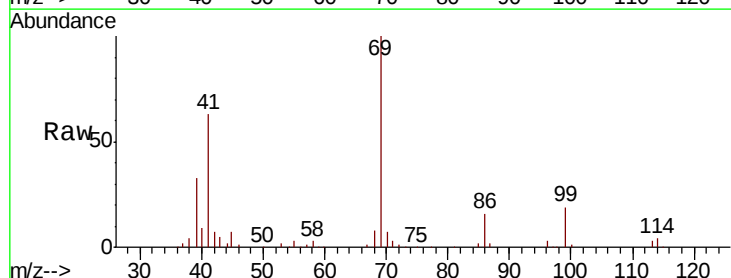
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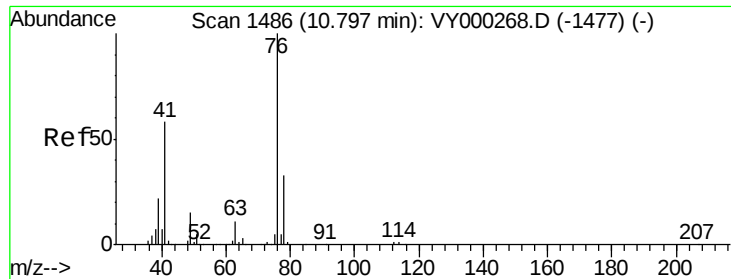
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#56
Ethyl methacrylate
Concen: 20.912 ug/l
RT: 10.52 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.9	52.5	78.7		
39	35.7	26.7	40.1		





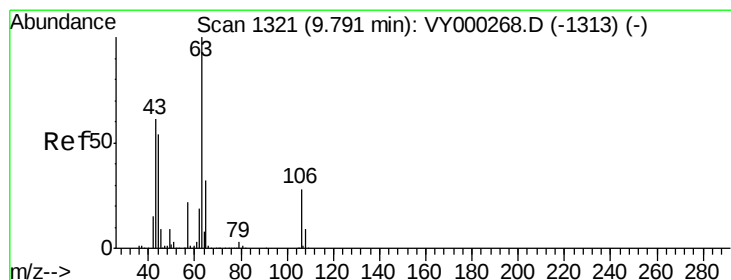
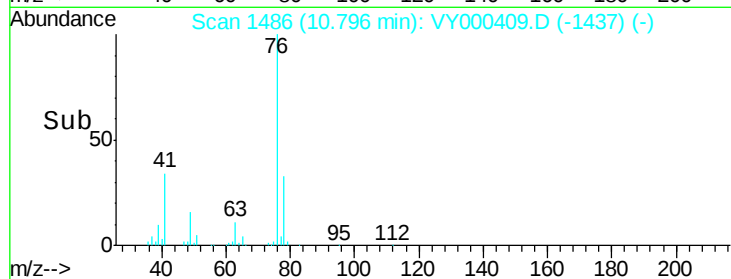
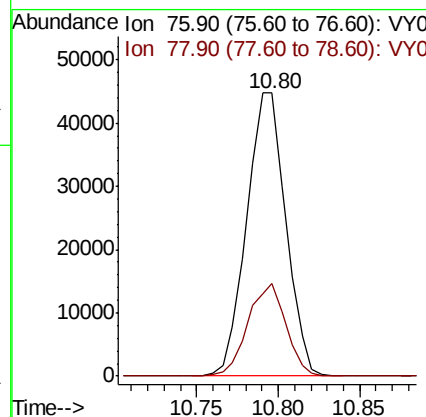
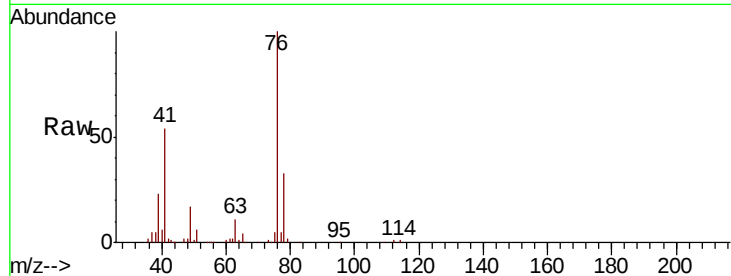
#57
 1,3-Dichloropropane
 Concen: 22.157 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.2	39.2

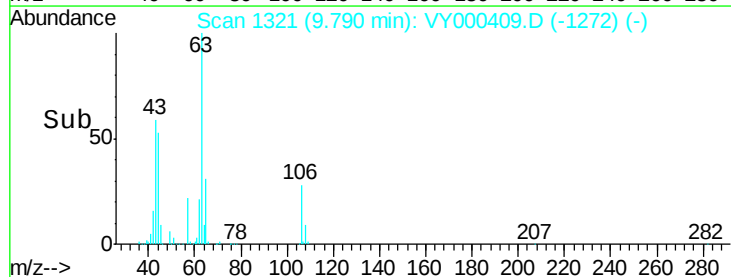
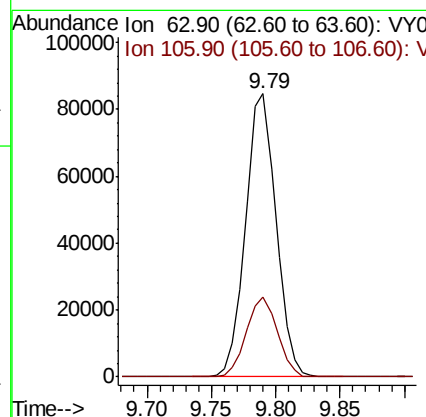
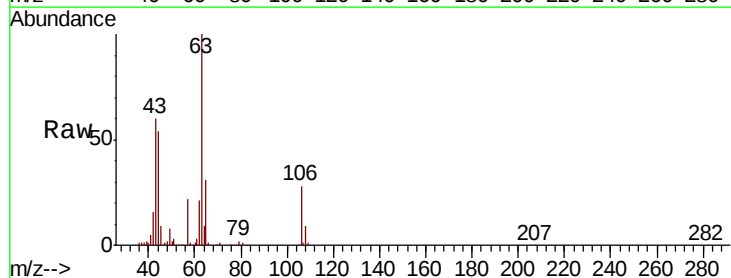
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#58
 2-Chloroethyl Vinyl ether
 Concen: 123.397 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.4





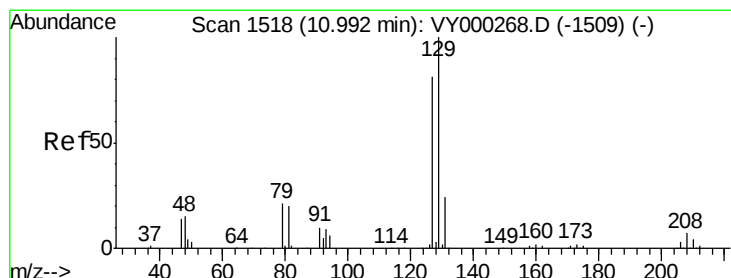
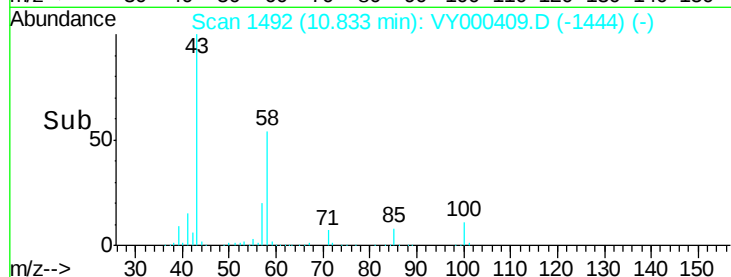
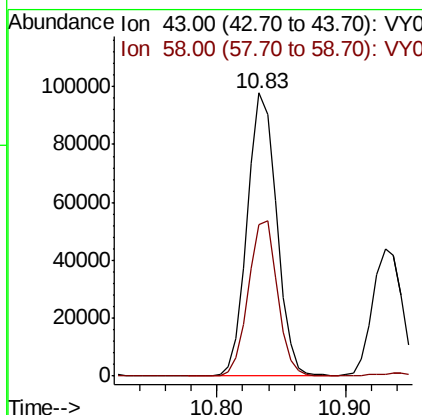
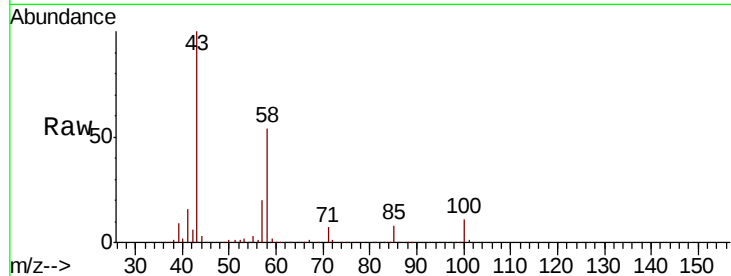
#59
2-Hexanone
Concen: 110.755 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion: 43 Resp: 154453
Ion Ratio Lower Upper
43 100
58 53.8 27.7 83.1

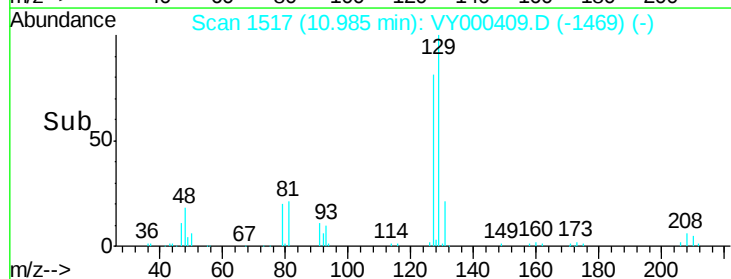
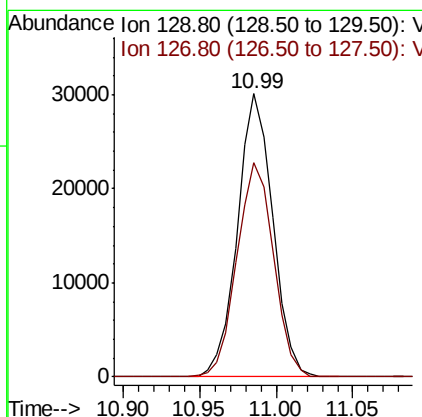
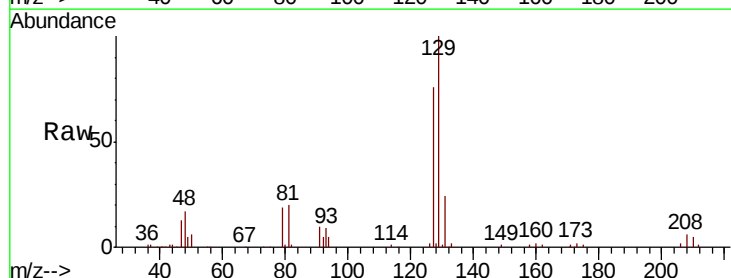
Manual Integrations
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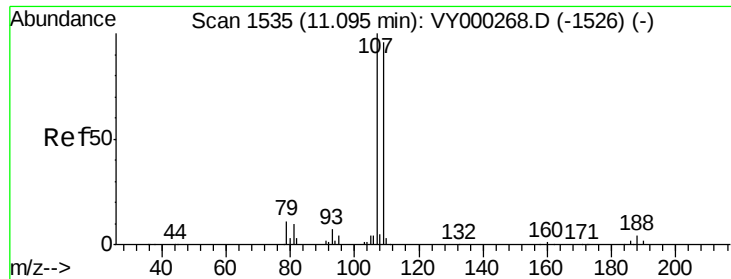
MMDadoda
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#60
Dibromochloromethane
Concen: 22.085 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion: 129 Resp: 48276
Ion Ratio Lower Upper
129 100
127 78.1 39.9 119.7





#61

1,2-Dibromoethane

Concen: 21.323 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBSD02

Tot Ion: 107 Resp: 40377

Ion Ratio Lower Upper

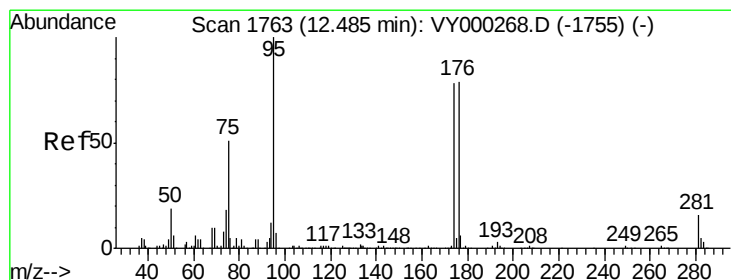
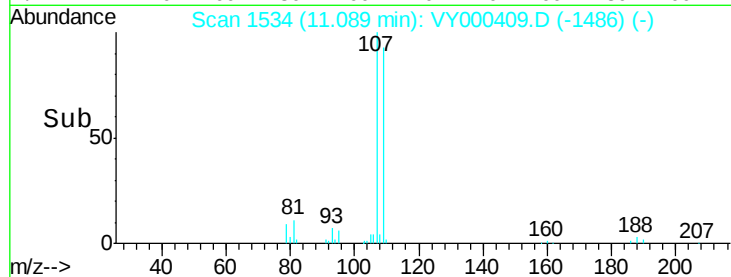
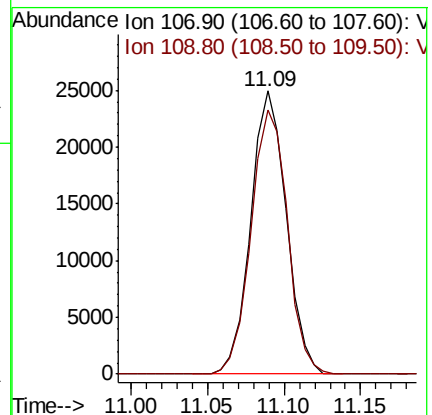
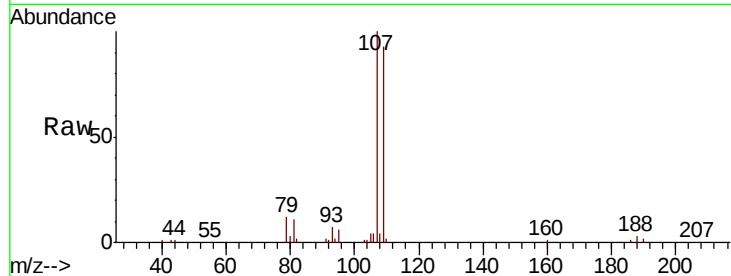
107 100

109 95.6 75.1 112.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.934 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

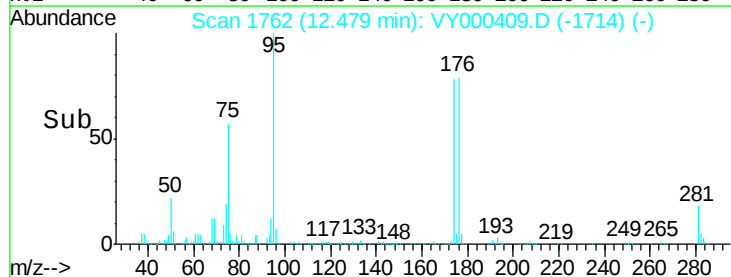
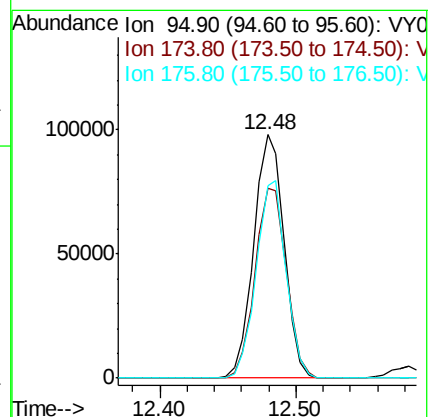
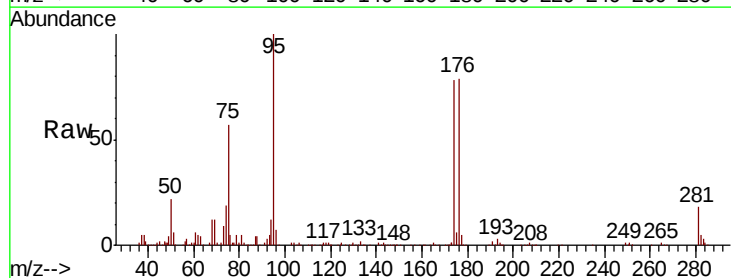
Tgt Ion: 95 Resp: 153827

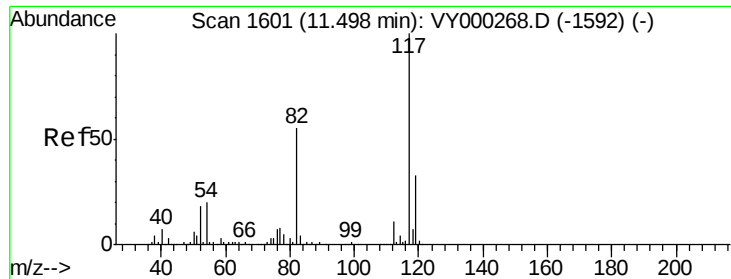
Ion Ratio Lower Upper

95 100

174 80.9 0.0 159.6

176 79.9 0.0 153.8





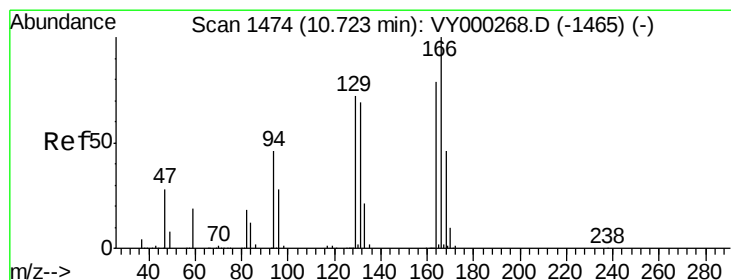
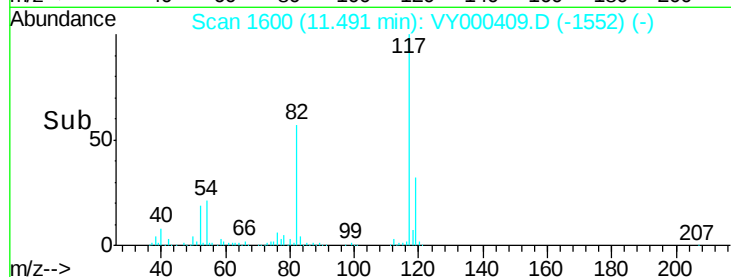
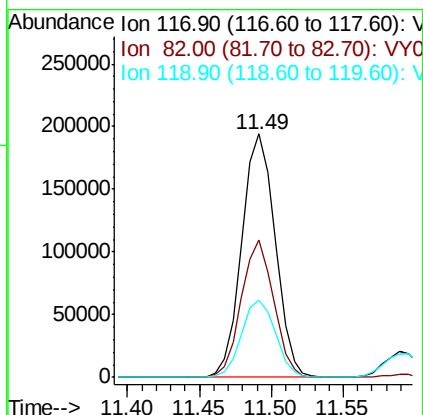
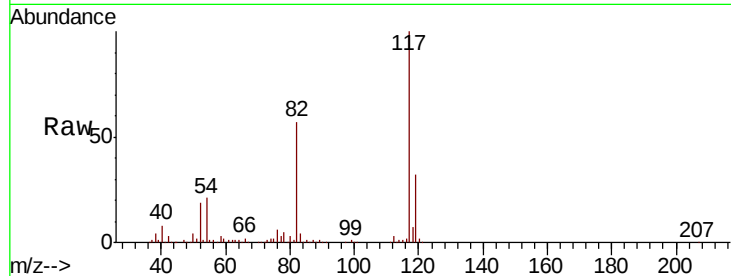
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311879		
82	56.6		43.7	65.5
119	31.8		26.6	39.8

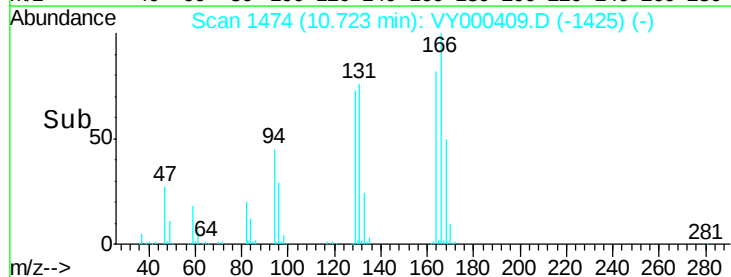
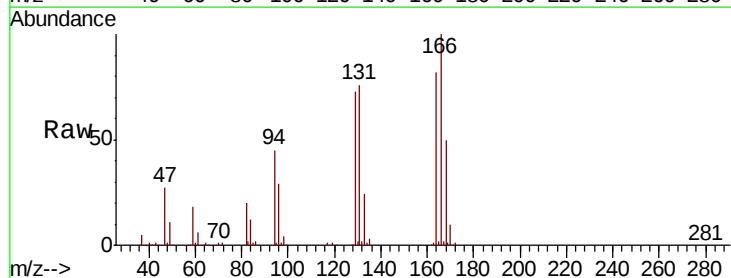
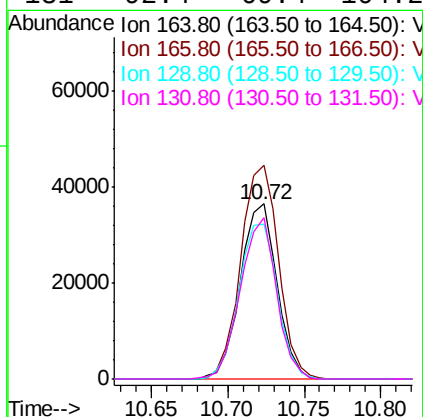
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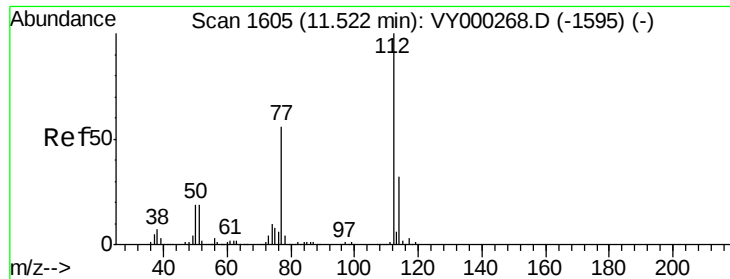
MMDadoda
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#64
Tetrachloroethene
Concen: 20.399 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60566		
166	122.0		100.6	151.0
129	88.7		72.8	109.2
131	92.4		69.4	104.2





#65

Chlorobenzene

Concen: 21.797 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion:112 Resp: 143467

Ion Ratio Lower Upper

112 100

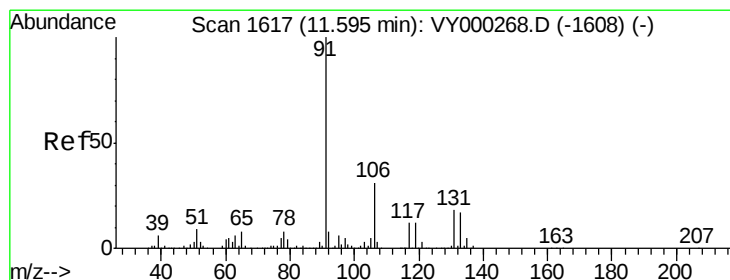
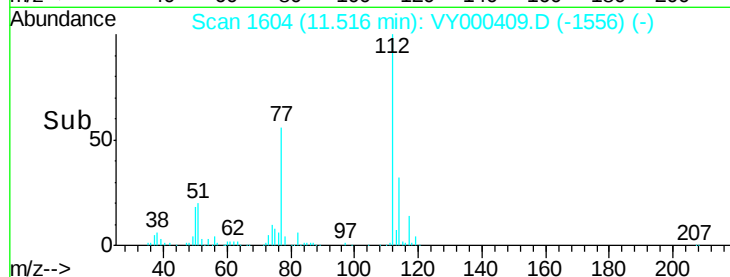
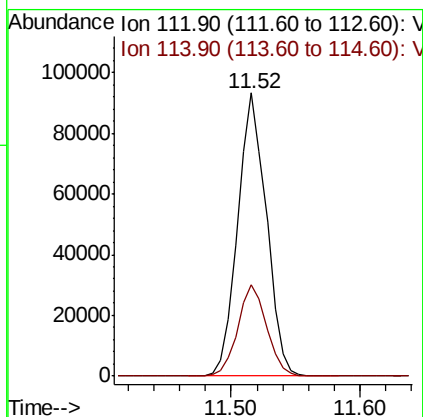
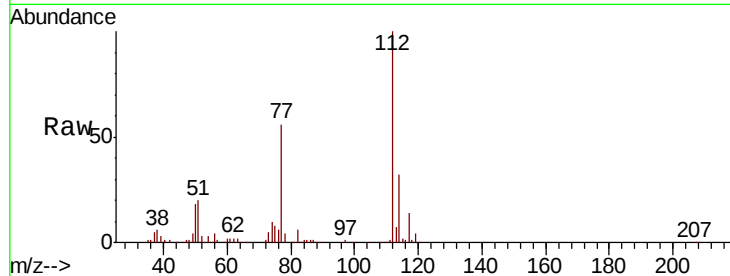
114 32.1 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.342 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

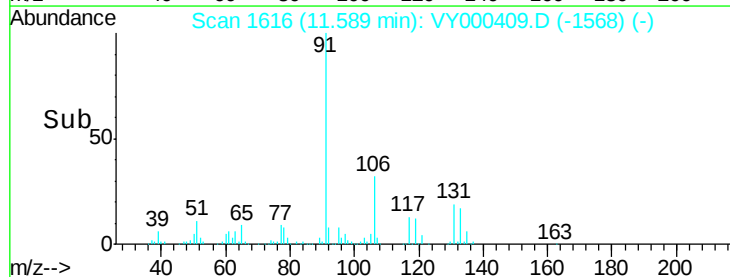
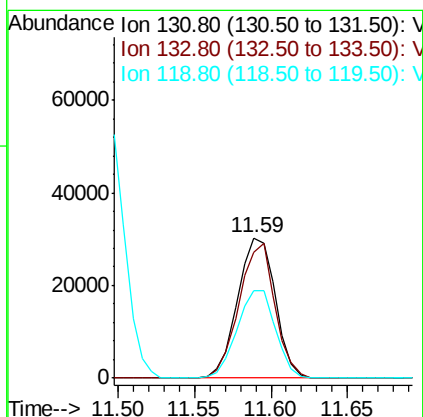
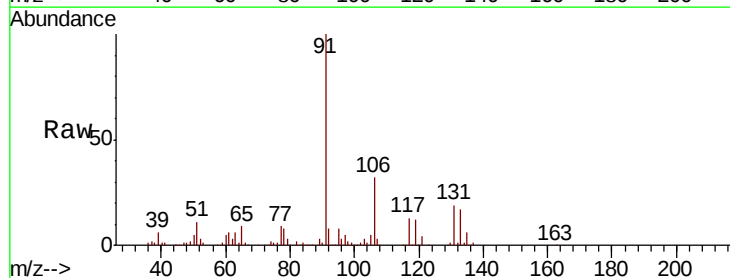
Tgt Ion:131 Resp: 51657

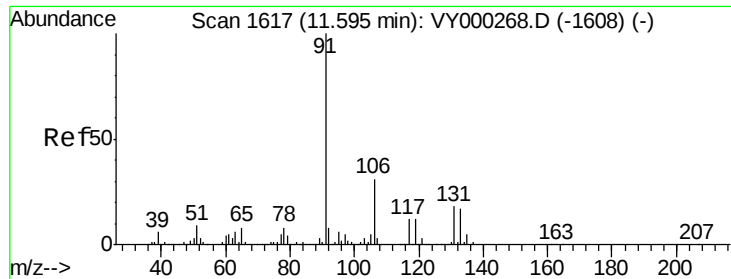
Ion Ratio Lower Upper

131 100

133 91.6 47.2 141.6

119 63.8 32.6 98.0





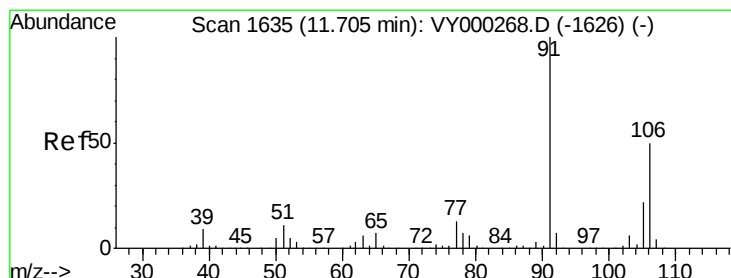
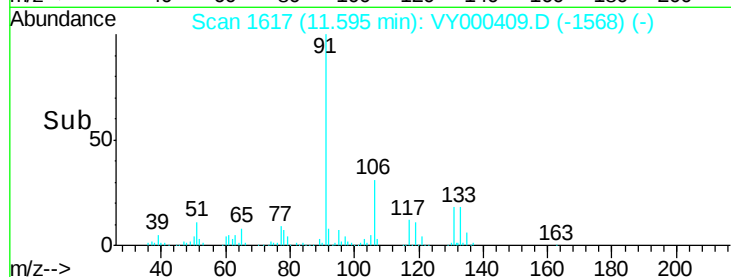
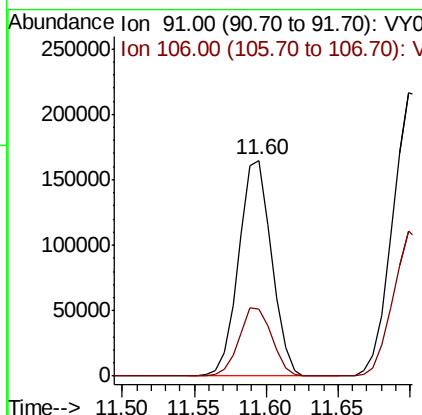
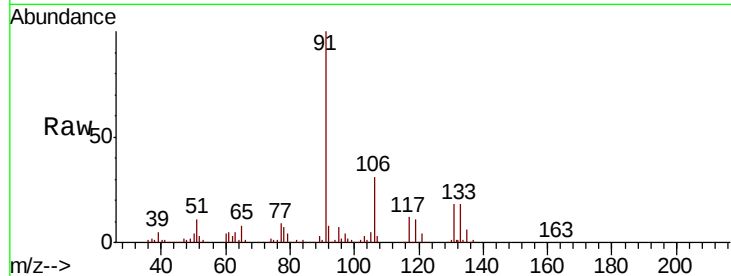
#67
Ethyl Benzene
Concen: 21.452 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion: 91 Resp: 261753
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

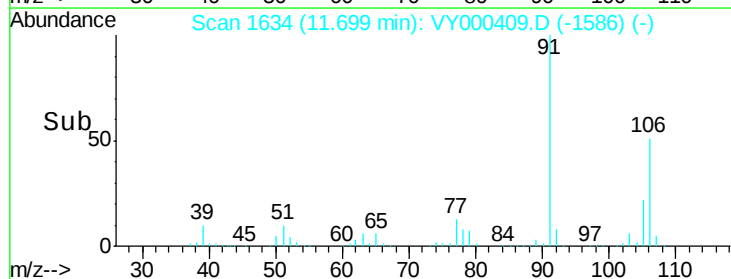
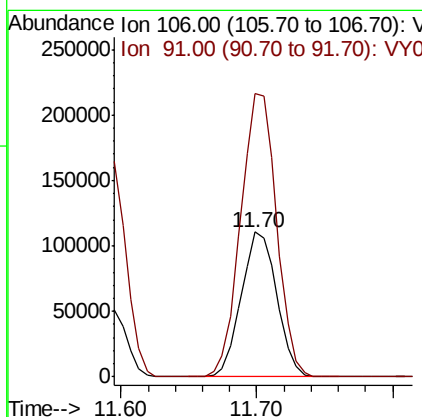
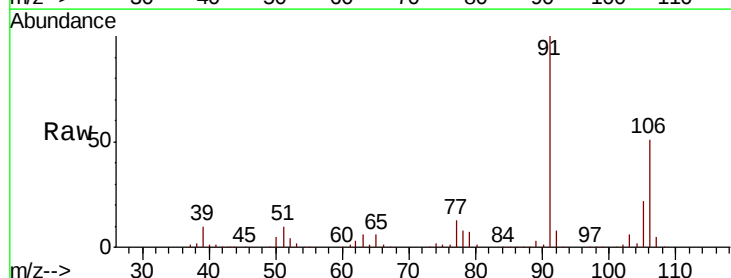
Manual Integrations
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#68
m/p-Xylenes
Concen: 43.428 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion: 106 Resp: 202567
Ion Ratio Lower Upper
106 100
91 197.2 157.5 236.3





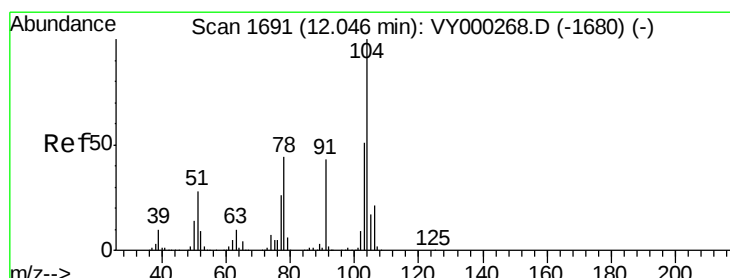
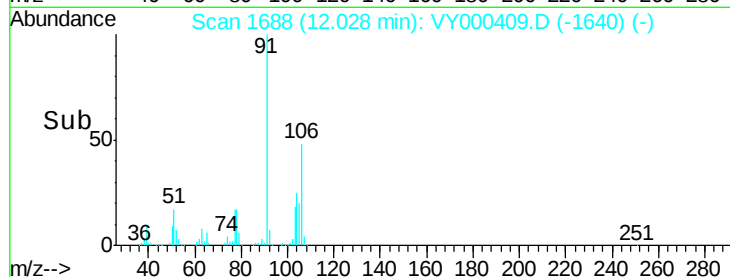
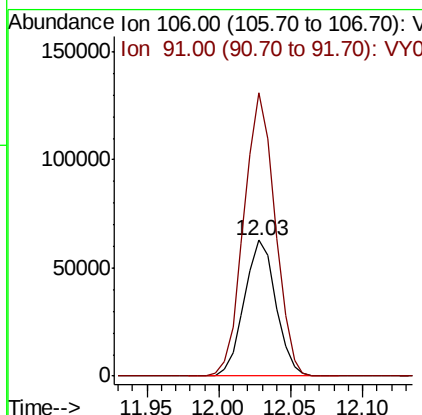
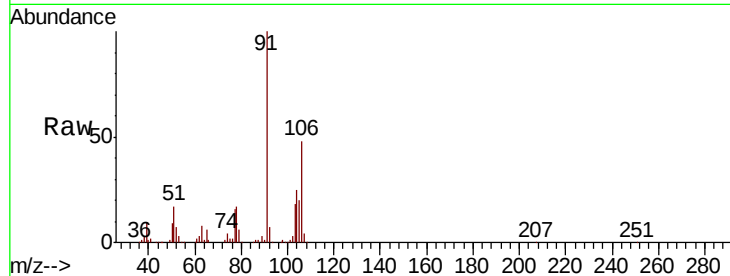
#69
o-Xylene
Concen: 21.414 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion:106 Resp: 95287
Ion Ratio Lower Upper
106 100
91 206.0 104.7 313.9

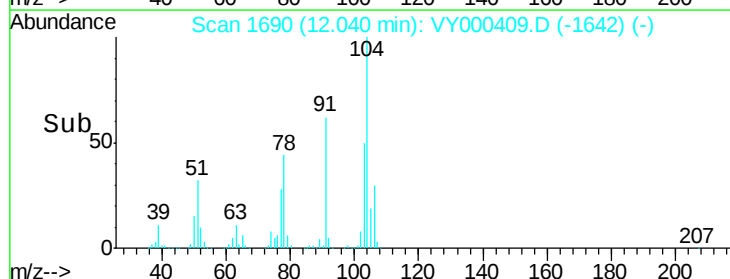
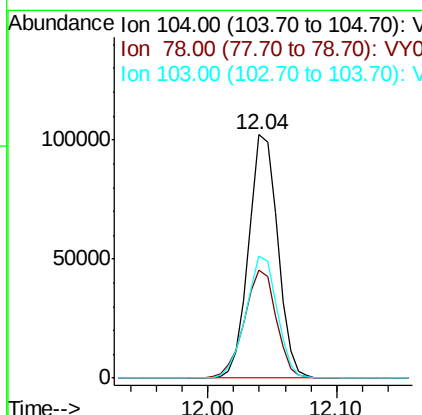
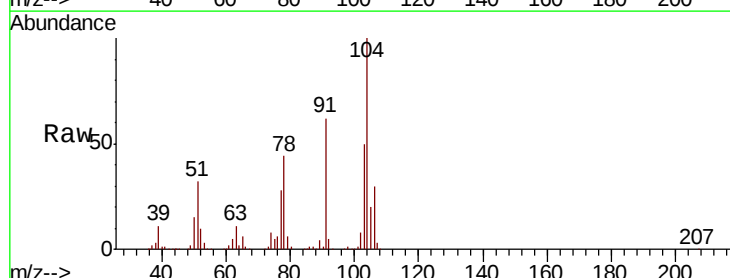
Manual Integrations
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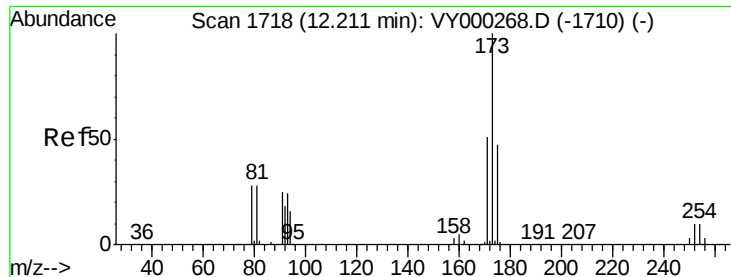
MMDadoda
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#70
Styrene
Concen: 21.198 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion:104 Resp: 159081
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 54.0 43.1 64.7





#71

Bromoform

Concen: 21.075 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion:173 Resp: 28012

Ion Ratio Lower Upper

173 100

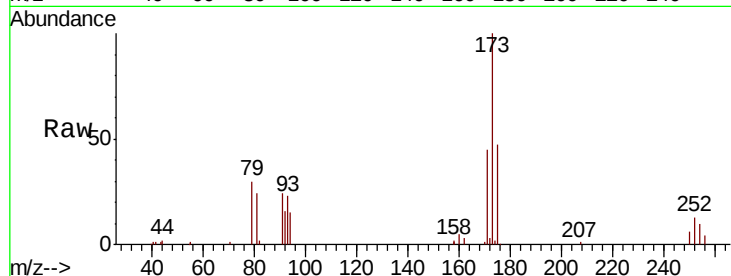
175 49.6 24.6 73.6

254 0.0 0.1 0.1#

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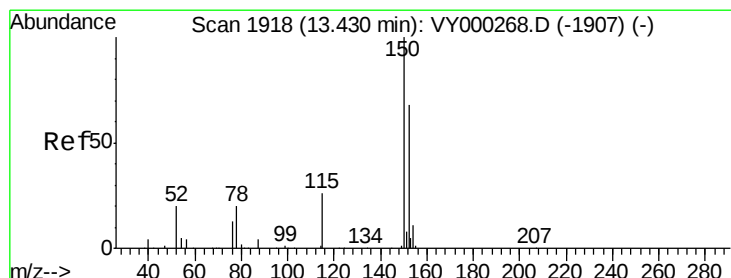
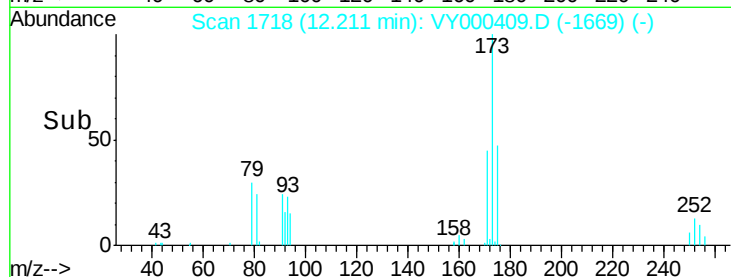
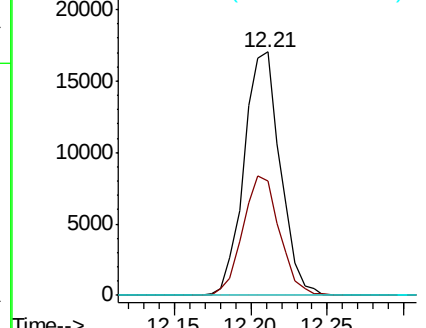
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

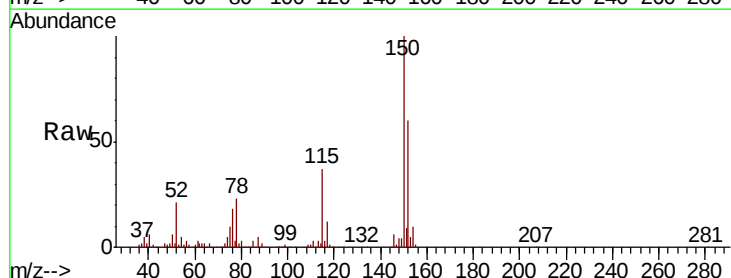
Tgt Ion:152 Resp: 155086

Ion Ratio Lower Upper

152 100

115 58.2 29.3 88.0

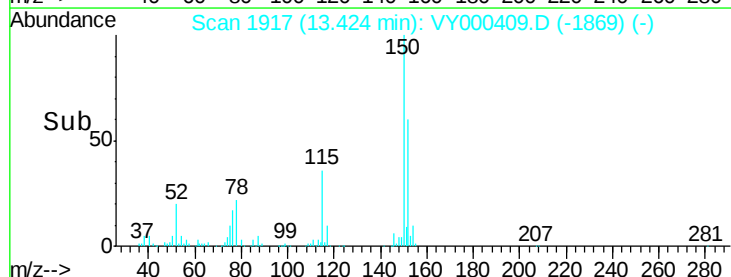
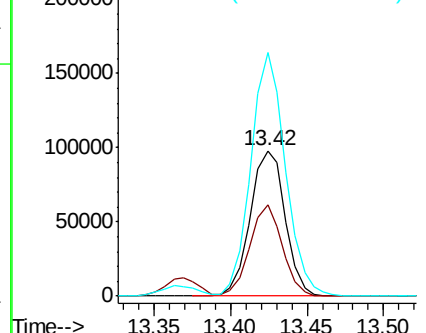
150 165.6 0.0 348.4

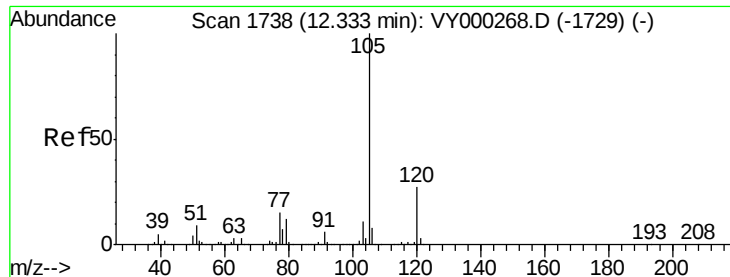


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





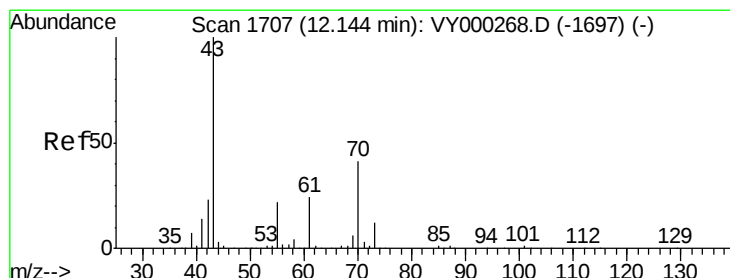
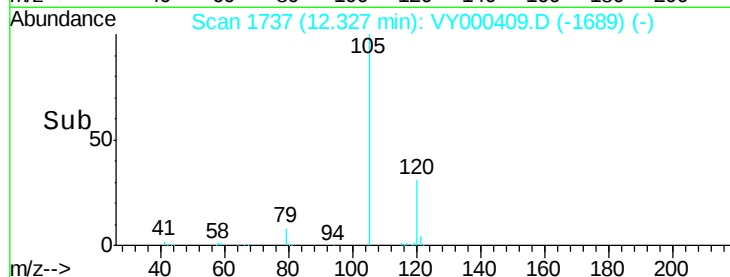
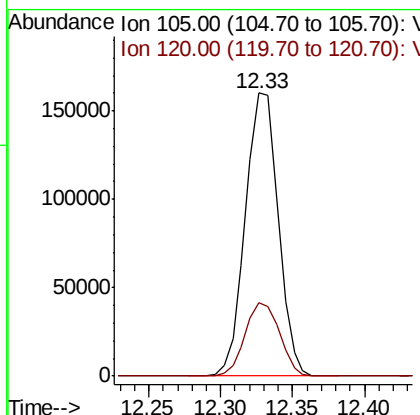
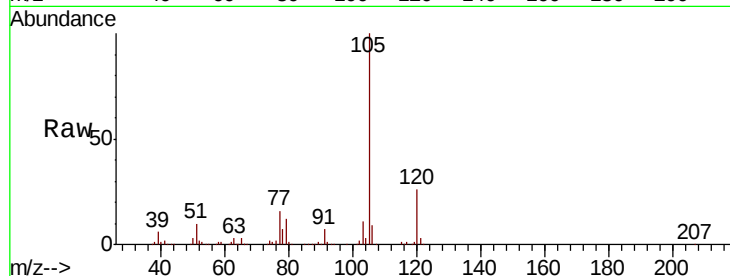
#73
Isopropylbenzene
Concen: 20.947 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.4	40.2

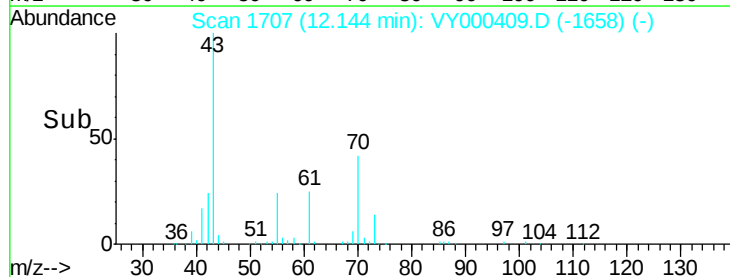
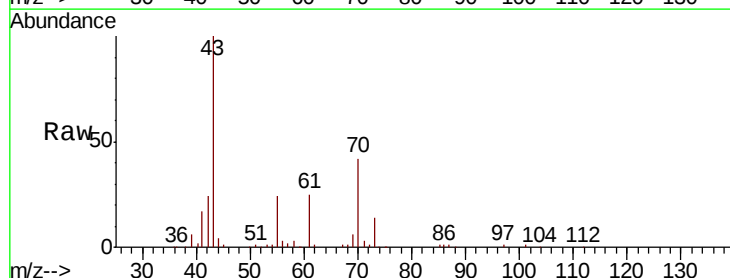
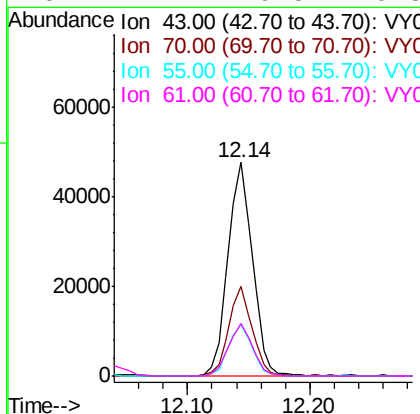
Manual Integrations
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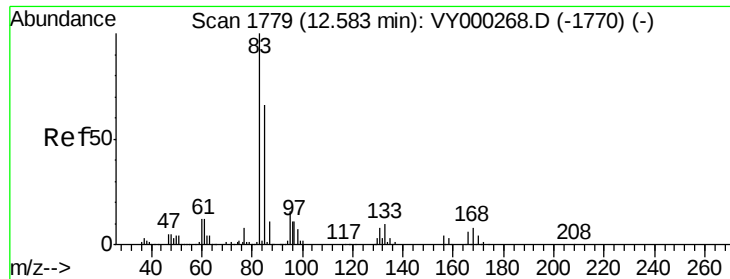
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#74
N-ethyl acetate
Concen: 22.298 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.9	49.3
55	23.7	17.8	26.6
61	24.2	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.997 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

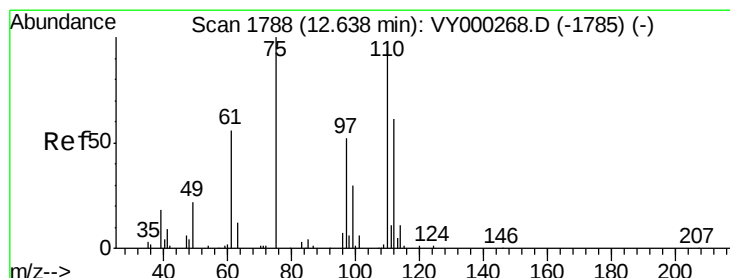
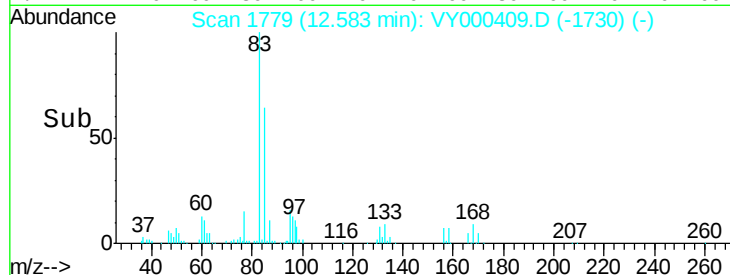
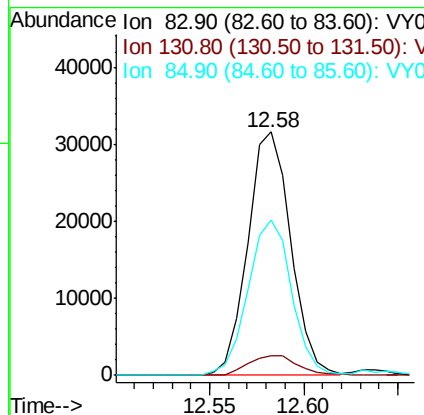
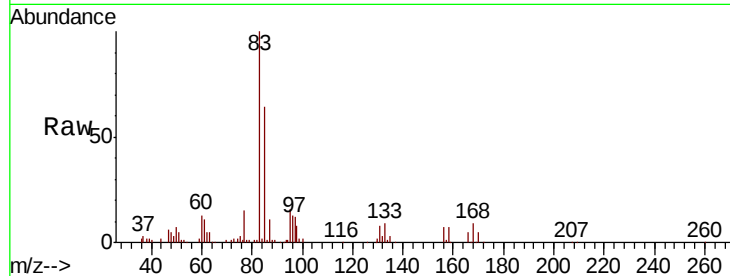
ClientSampleId :

VY1024SBS02

Tot Ion:	83	Resp:	49944
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.3	16.1
85	64.8	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 19.471 ug/l m

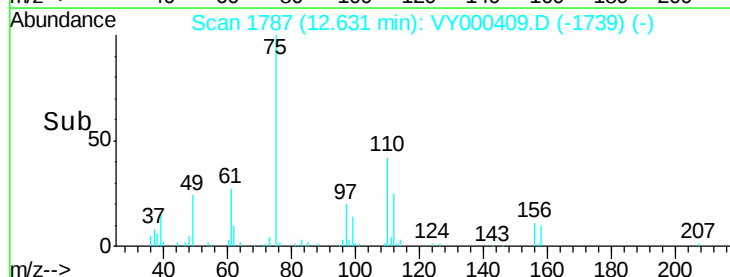
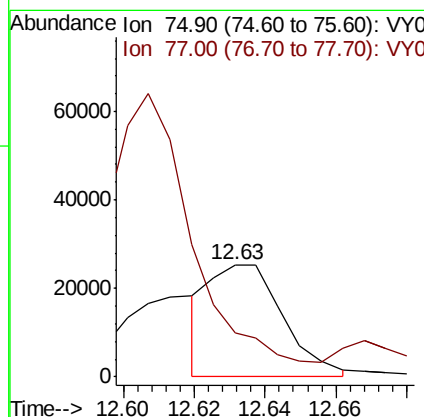
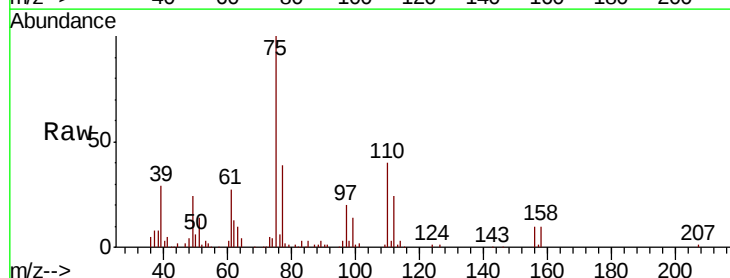
RT: 12.63 min Scan# 1787

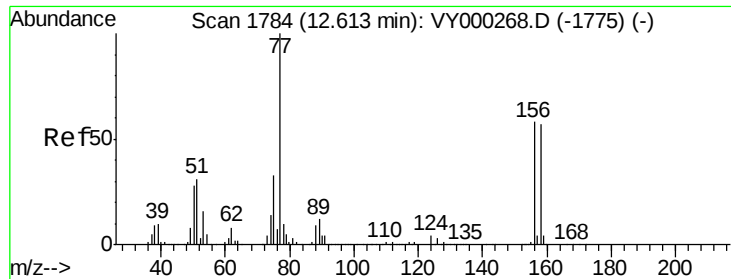
Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion:	75	Resp:	37131
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.486 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion:156 Resp: 57815

Ion Ratio Lower Upper

156 100

77 194.8 101.0 302.9

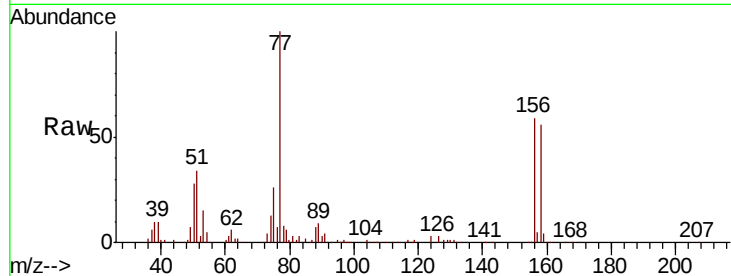
158 97.3 49.7 149.1

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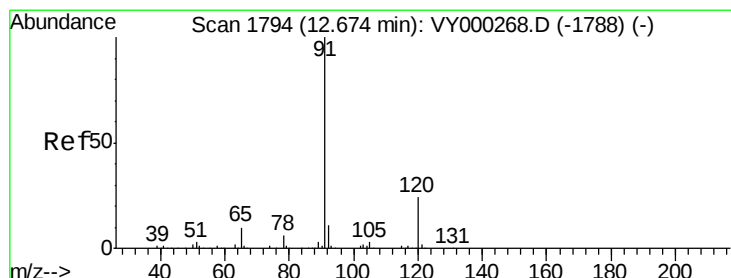
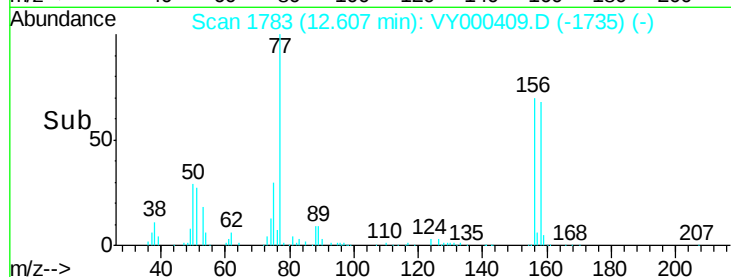
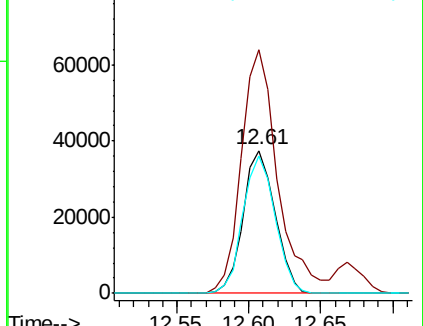
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.930 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000409.D

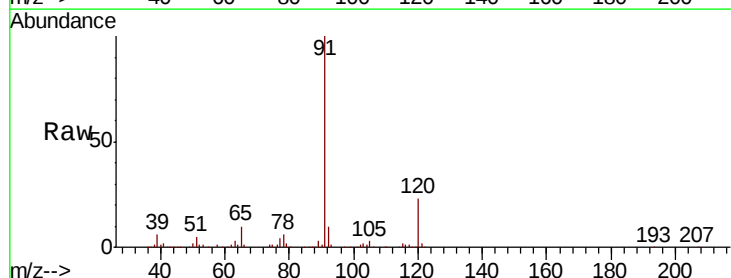
Acq: 24 Oct 2019 15:03

Tgt Ion: 91 Resp: 303889

Ion Ratio Lower Upper

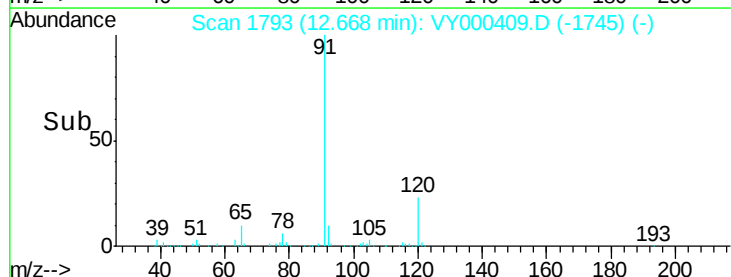
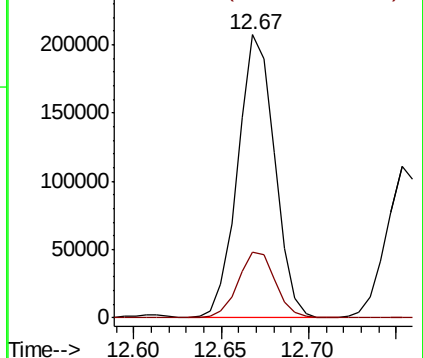
91 100

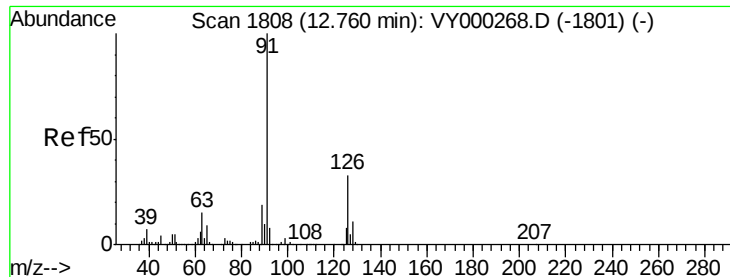
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.865 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBSD02

Tot Ion: 91 Resp: 167298

Ion Ratio Lower Upper

91 100

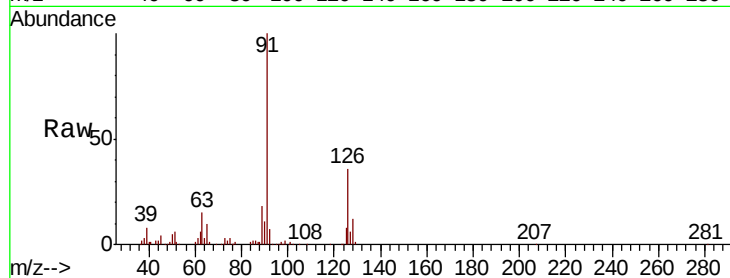
126 35.4 17.1 51.3

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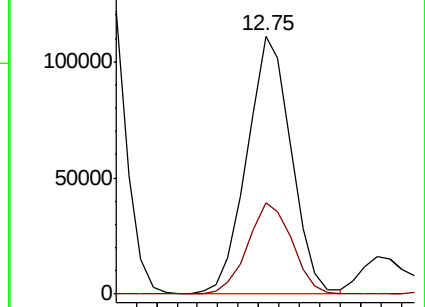
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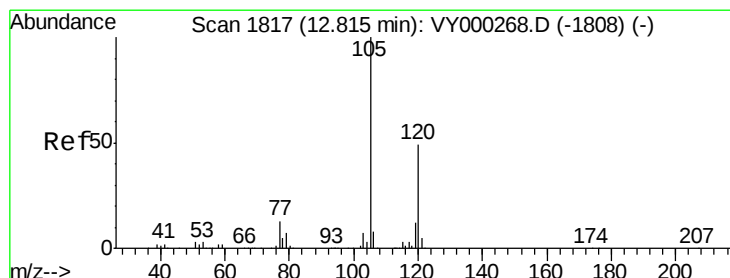
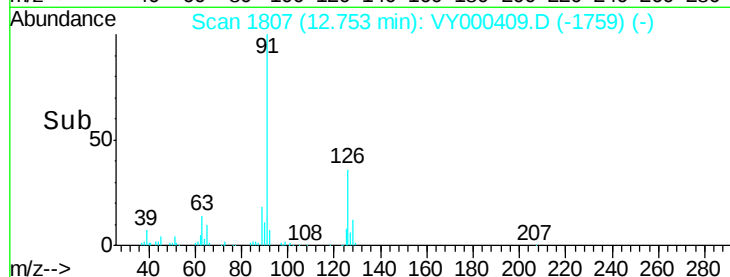


Abundance Ion 91.00 (90.70 to 91.70): VY000409.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY000409.D (-1759) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.110 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY000409.D

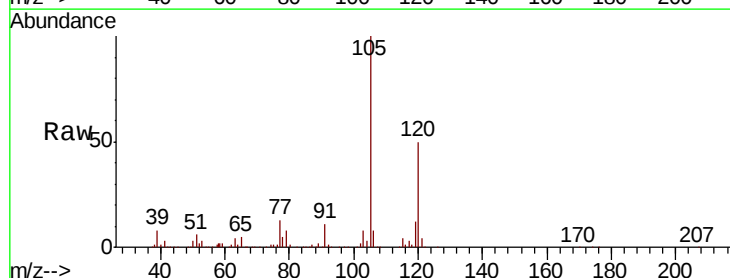
Acq: 24 Oct 2019 15:03

Tgt Ion: 105 Resp: 214050

Ion Ratio Lower Upper

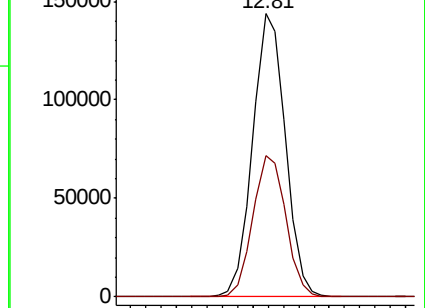
105 100

120 50.4 24.9 74.8

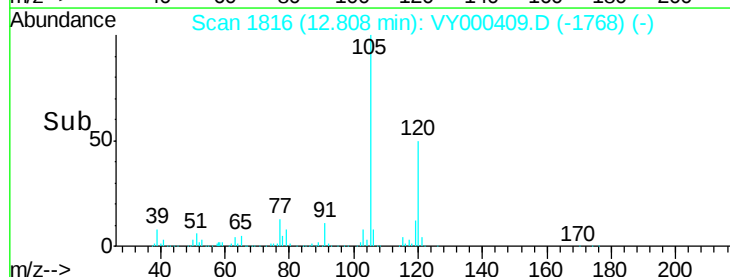


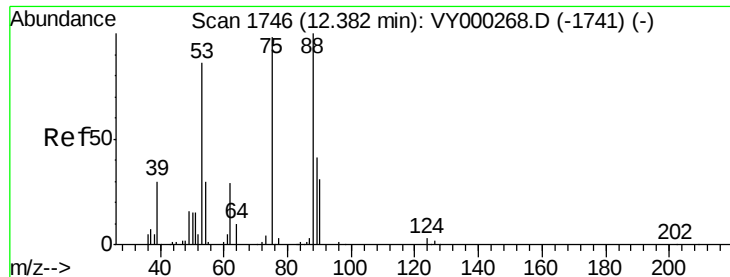
Abundance Ion 105.00 (104.70 to 105.70): VY000409.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000409.D (-1768) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.111 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion: 75 Resp: 17529

Ion Ratio Lower Upper

75 100

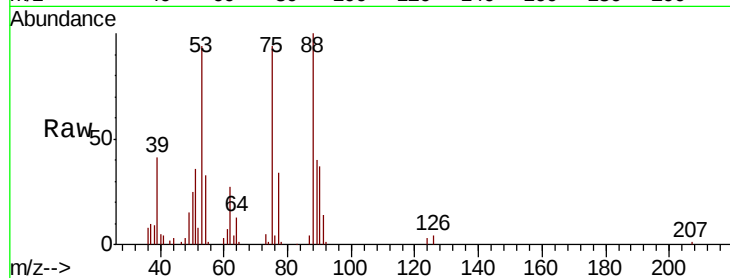
53 93.9 71.3 106.9

89 42.0 35.1 52.7

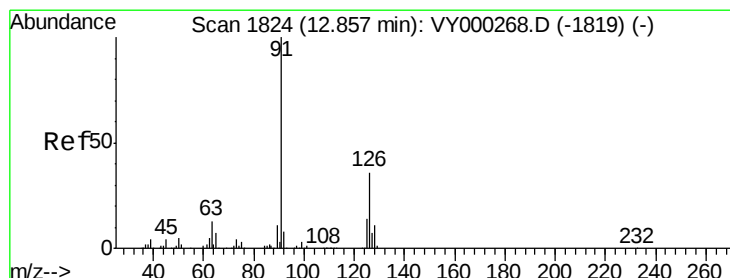
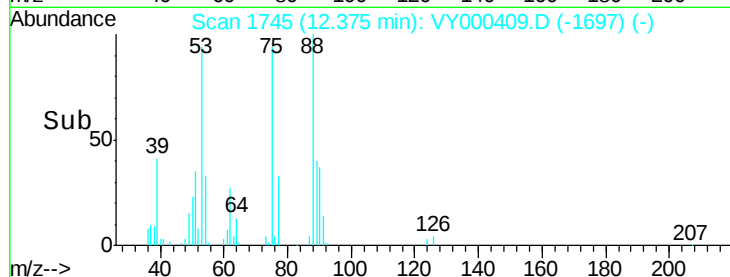
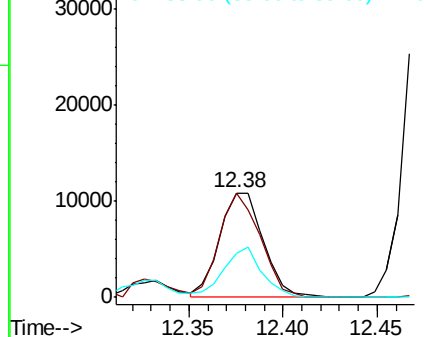
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Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 21.204 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY000409.D

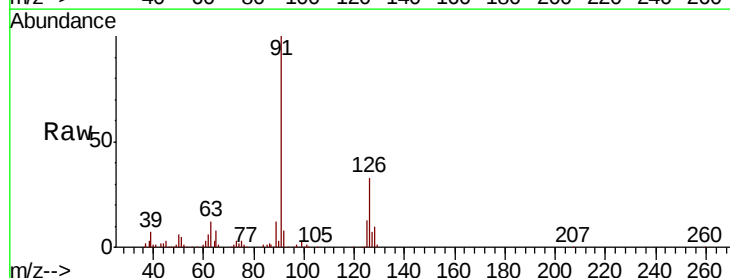
Acq: 24 Oct 2019 15:03

Tgt Ion: 91 Resp: 179718

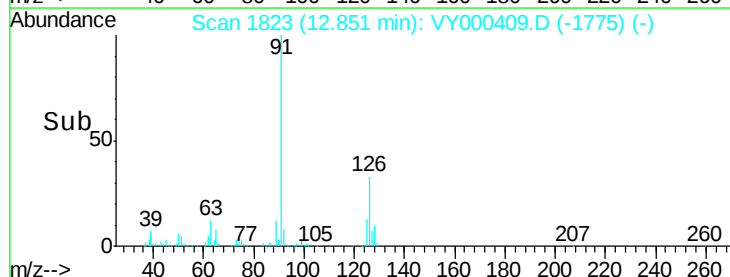
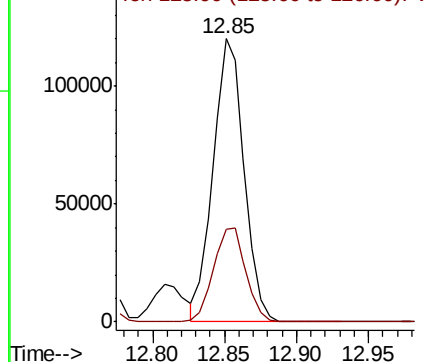
Ion Ratio Lower Upper

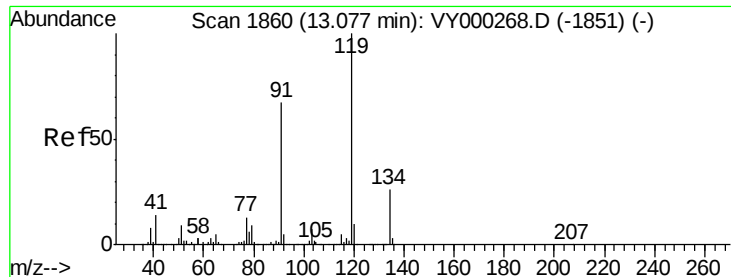
91 100

126 34.9 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V





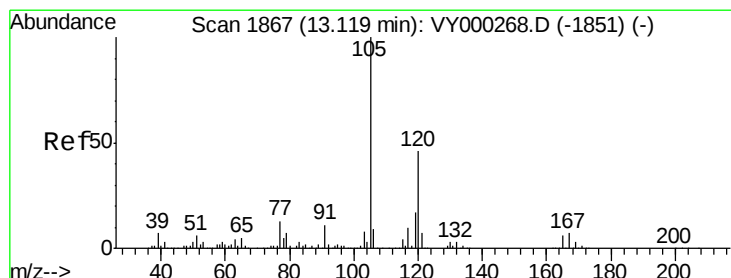
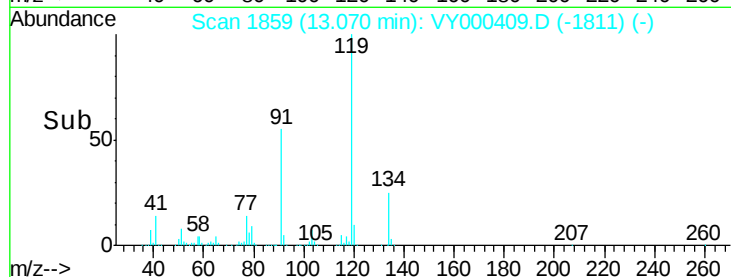
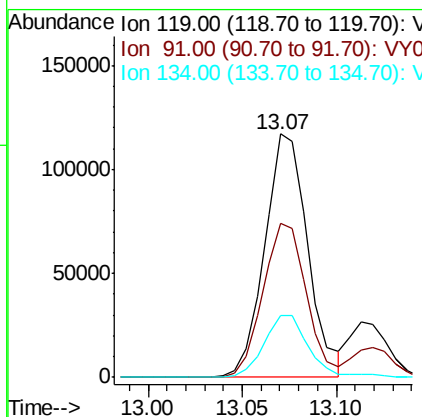
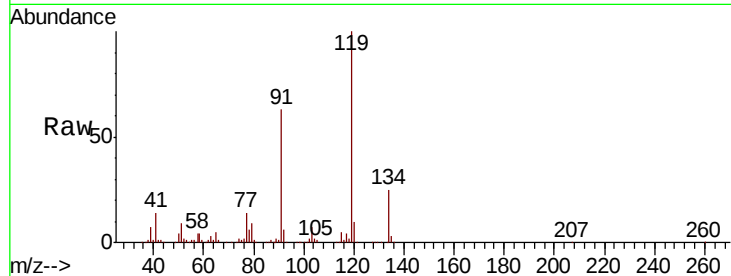
#83
tert-Butylbenzene
Concen: 21.577 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.9	98.7
134	26.7	13.3	39.8

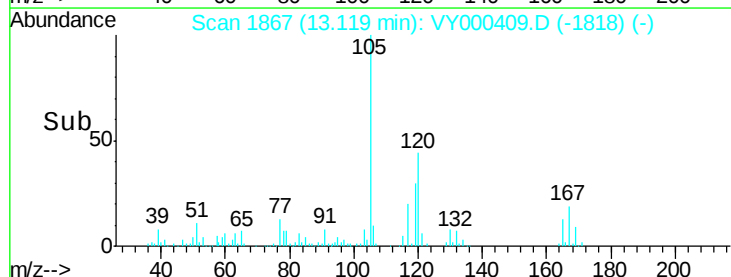
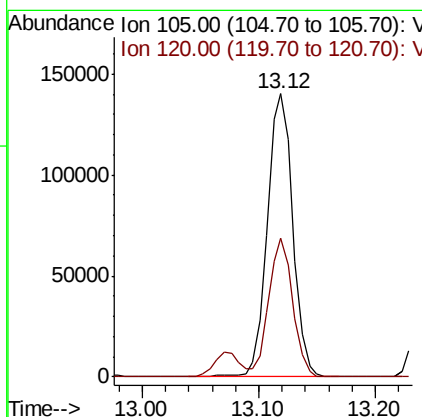
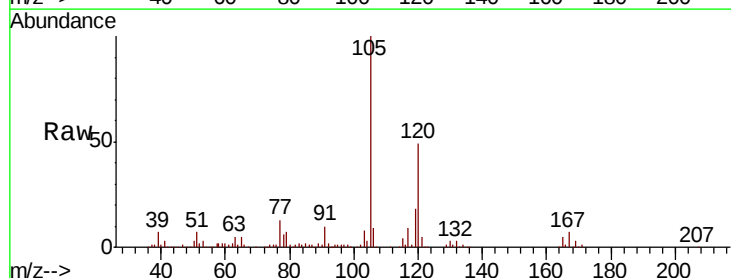
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#84
1,2,4-Trimethylbenzene
Concen: 21.194 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.977 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1024SBS02

Tot Ion:105 Resp: 260580

Ion Ratio Lower Upper

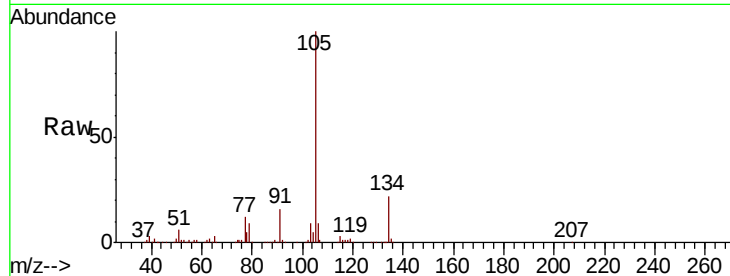
105 100

134 21.1 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

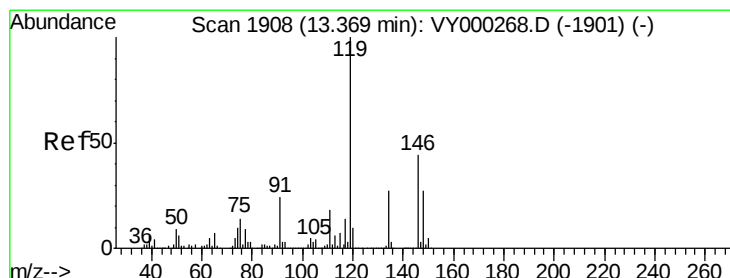
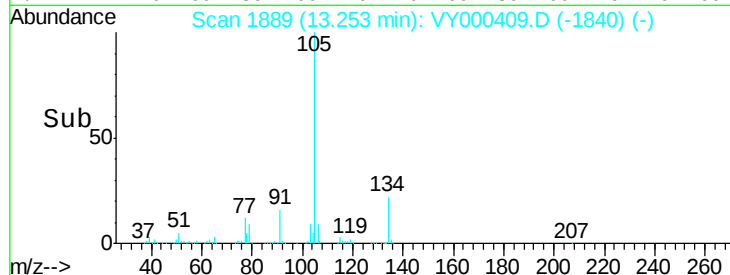
150000

100000

50000

0

Time--> 13.15 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 21.489 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

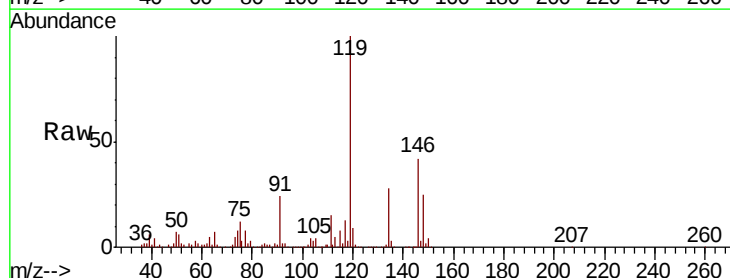
Tgt Ion:119 Resp: 232721

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

200000

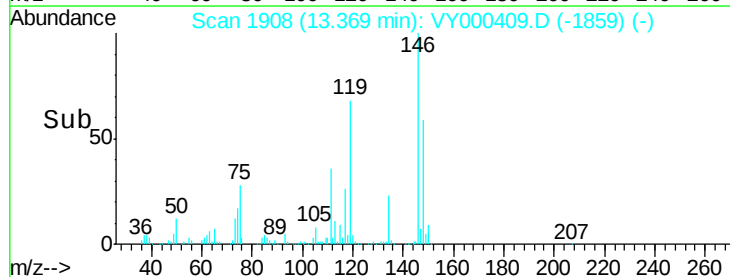
150000

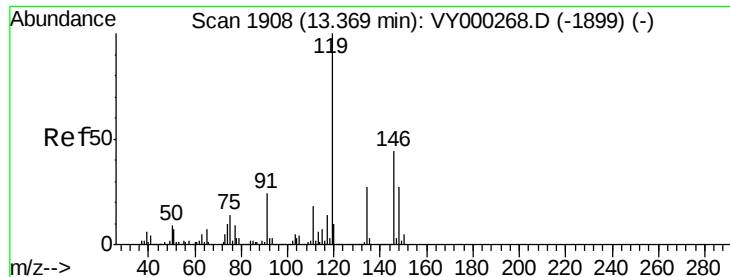
100000

50000

0

Time--> 13.30 13.40





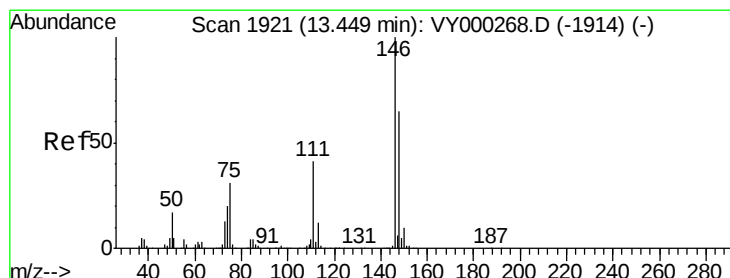
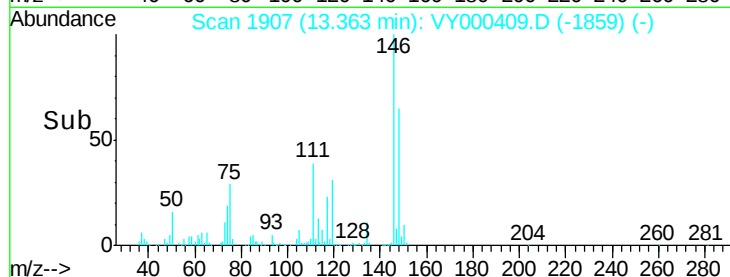
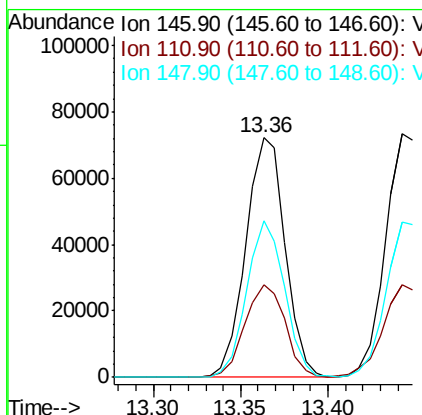
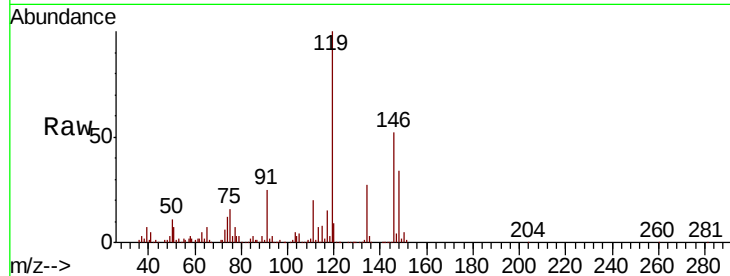
#87
 1,3-Dichlorobenzene
 Concen: 21.385 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.7	20.6	61.8	
148	63.0	31.9	95.5	

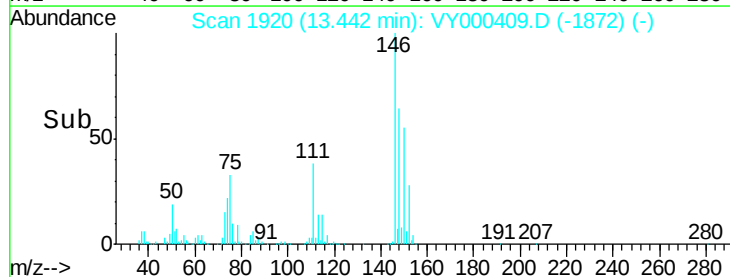
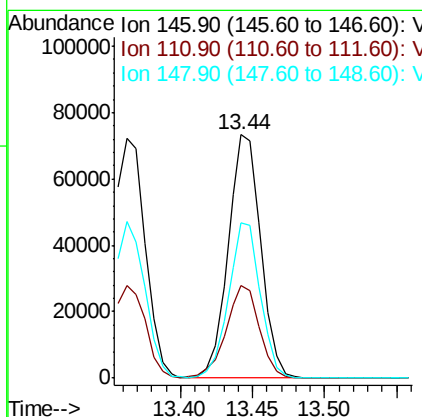
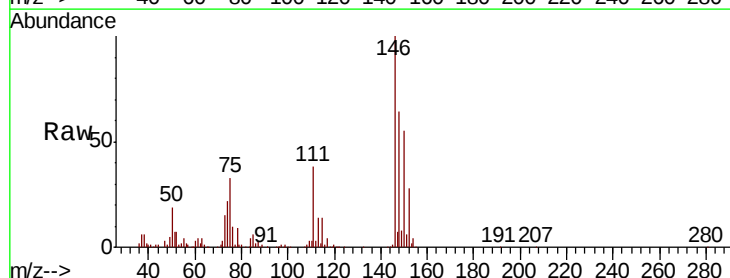
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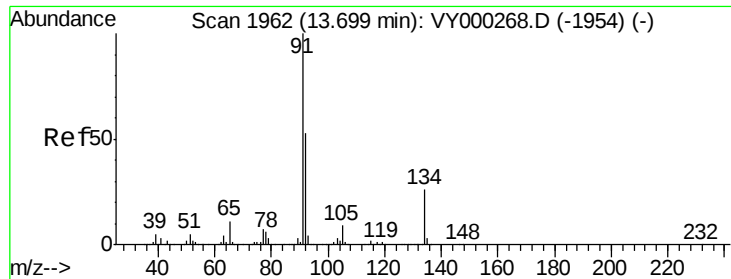
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#88
 1,4-Dichlorobenzene
 Concen: 21.809 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.8	20.1	60.2	
148	62.2	32.4	97.2	





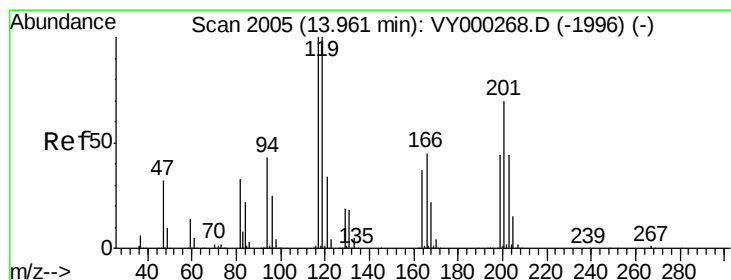
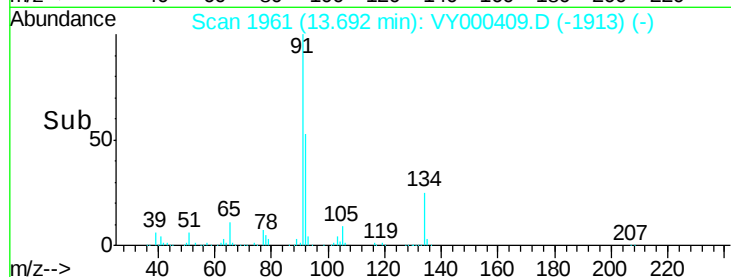
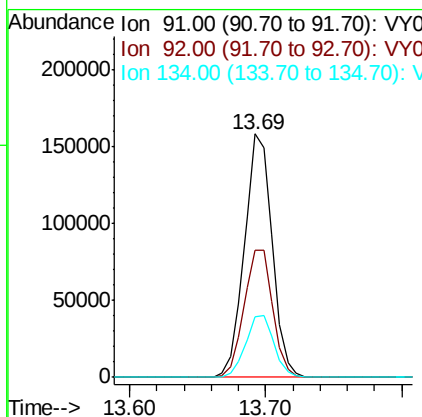
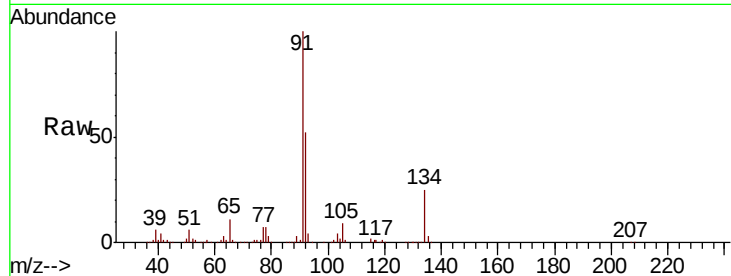
#89
n-Butylbenzene
Concen: 21.067 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.1
134	25.9	13.0	38.9

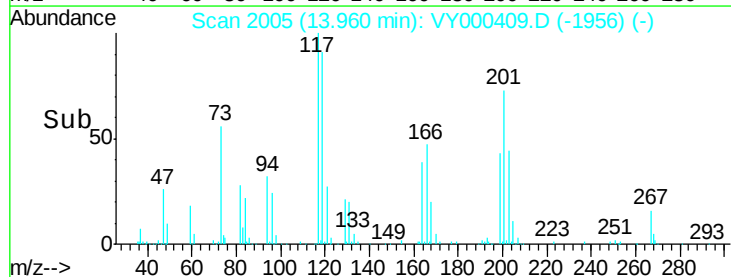
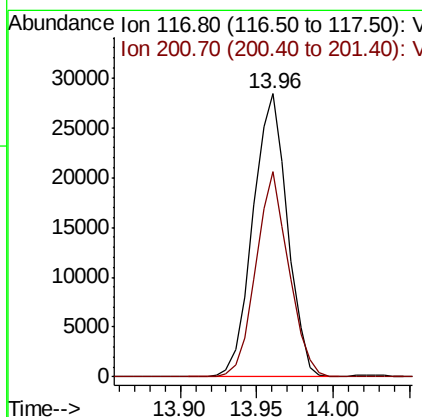
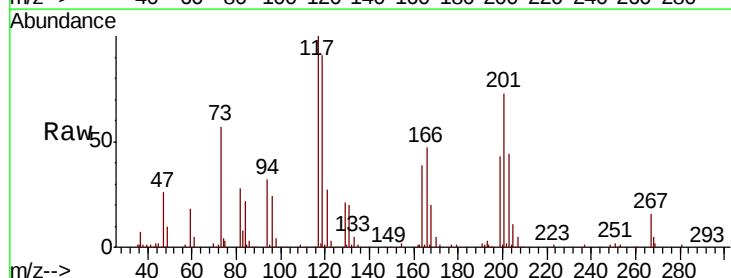
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#90
Hexachloroethane
Concen: 22.176 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	36.3	108.7





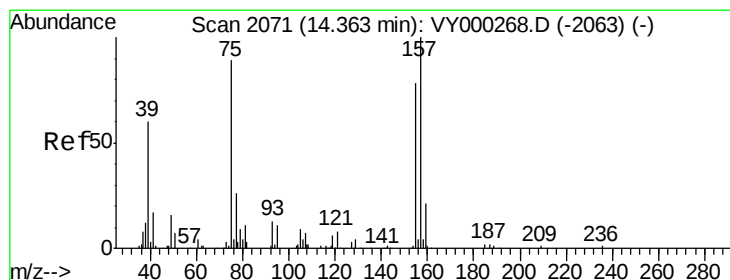
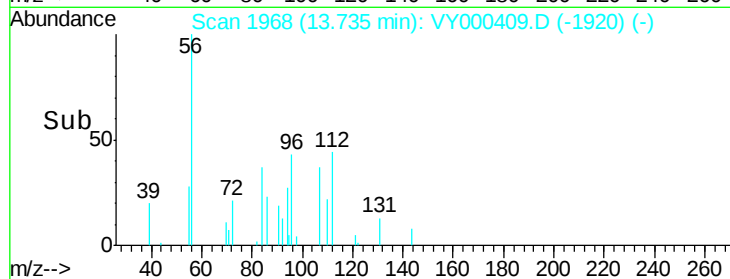
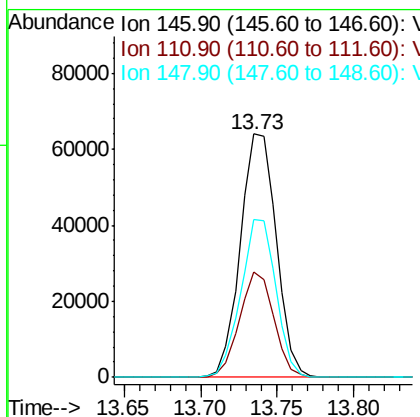
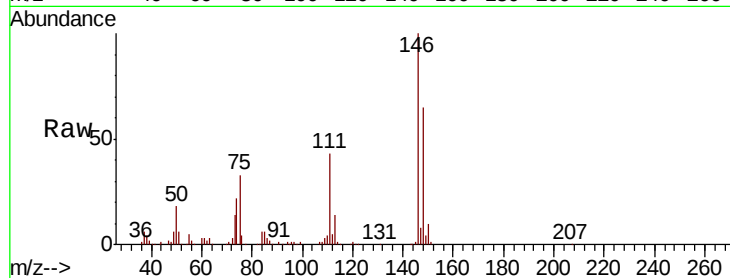
#91
 1,2-Dichlorobenzene
 Concen: 21.780 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.3	31.6	95.0

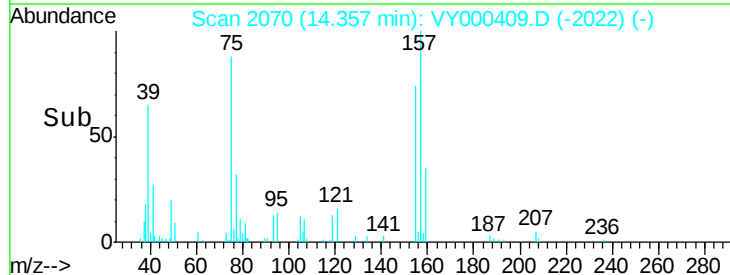
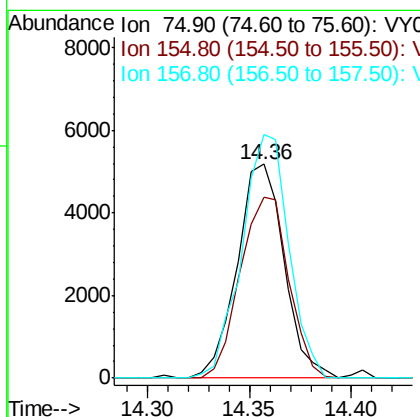
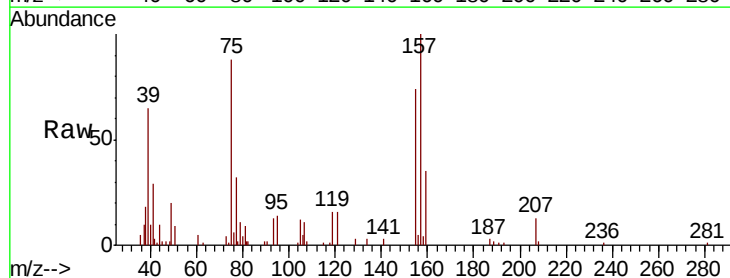
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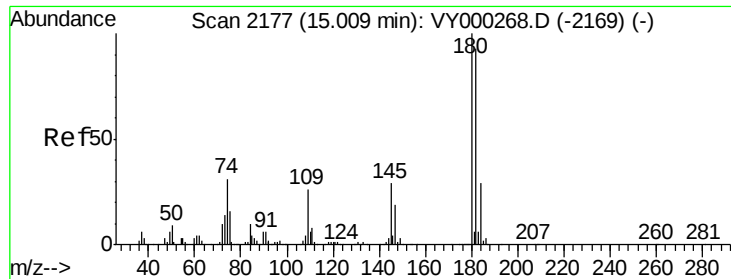
MMDadoda
 10/25/2019 4:46:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.319 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000409.D
 Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	45.8	137.3
157	113.8	55.6	166.9





#93

1,2,4-Trichlorobenzene

Concen: 21.339 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Instrument :

MSVOA_Y

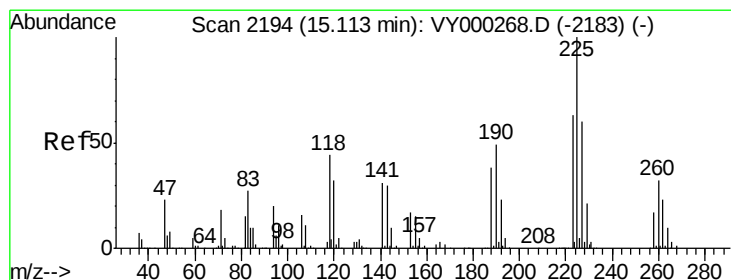
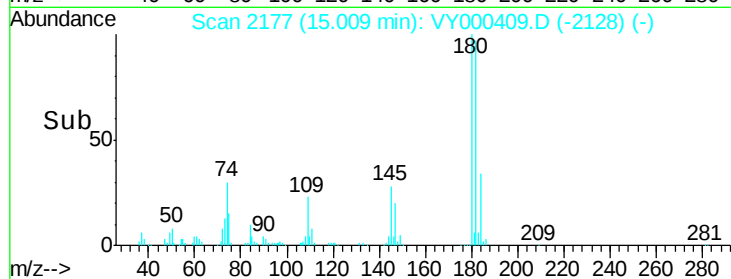
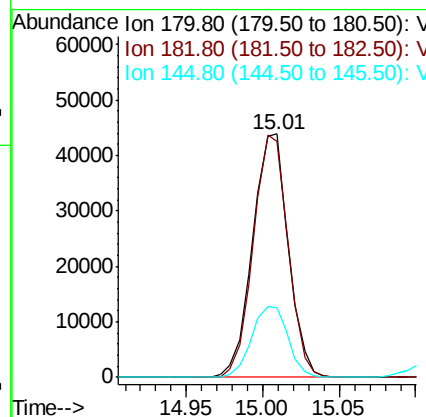
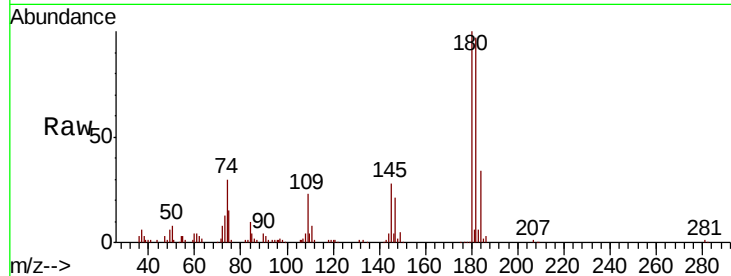
ClientSampleId :

VY1024SBS02

Tot Ion:	180	Resp:	71284
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.5	142.6
145	29.7	15.4	46.1

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#94

Hexachlorobutadiene

Concen: 21.413 ug/l

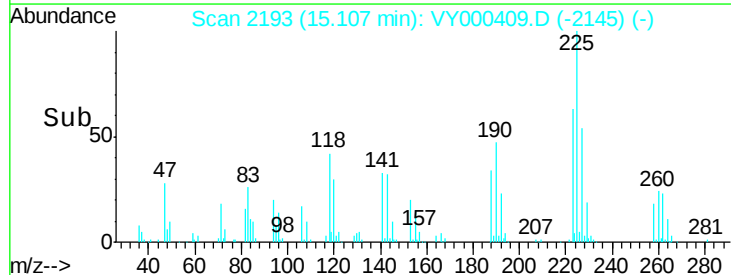
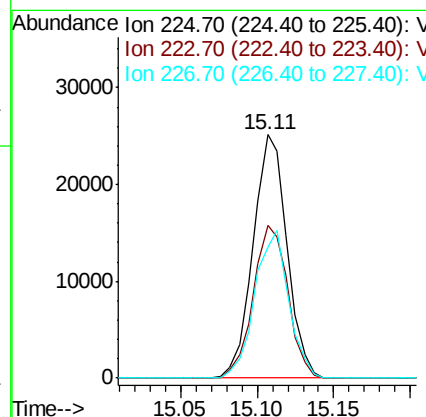
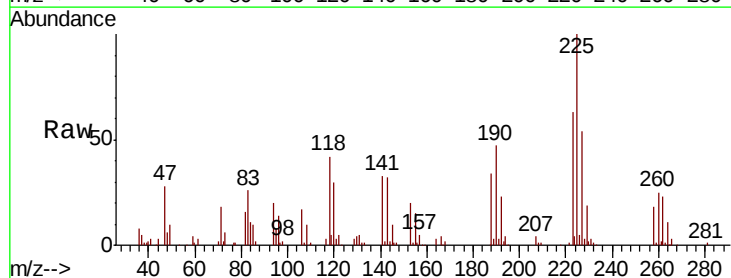
RT: 15.11 min Scan# 2193

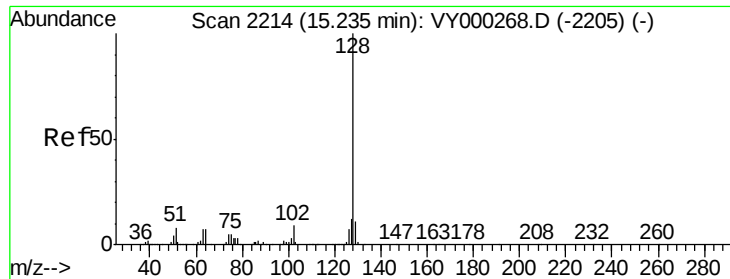
Delta R.T. -0.01 min

Lab File: VY000409.D

Acq: 24 Oct 2019 15:03

Tgt Ion:	225	Resp:	38711
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.9	95.7
227	60.7	31.4	94.2





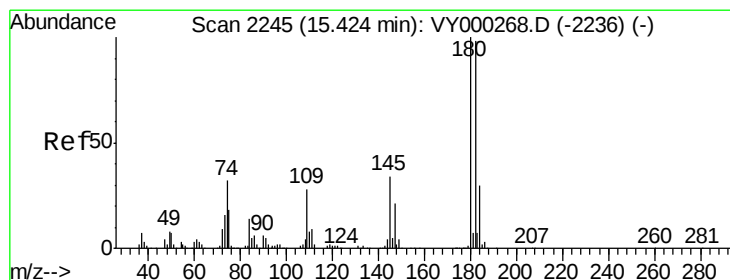
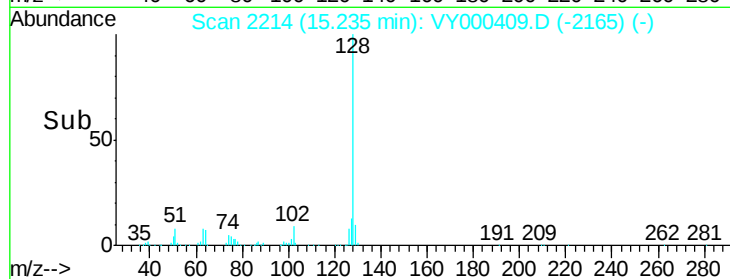
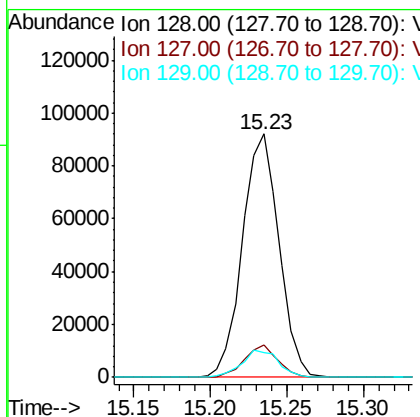
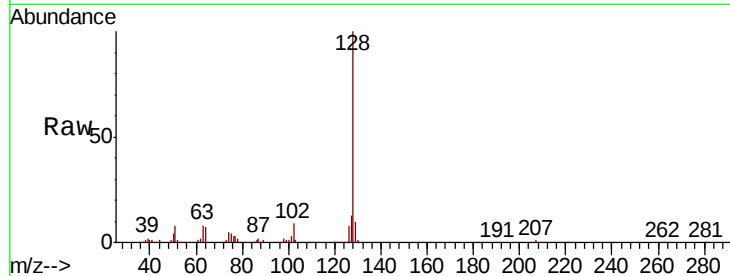
#95
Naphthalene
Concen: 20.495 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	152785		
127	12.3		9.6	14.4
129	11.4		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 21.547 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000409.D
Acq: 24 Oct 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64872		
182	95.3		46.5	139.5
145	33.2		16.2	48.5

