

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032031.D
 Acq On : 06 Aug 2025 16:12
 Operator : SY/MD
 Sample : Q2779-03
 Misc : 4.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-VOC

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Title : SW846 8260

Signal : TIC: VW032031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	362	373	384	rVB	19558	61087	4.60%	0.488%
2	4.417	407	415	429	rBV3	4009	15582	1.17%	0.124%
3	4.966	493	505	518	rBV5	5917	22673	1.71%	0.181%
4	5.972	661	670	677	rBV6	5646	17376	1.31%	0.139%
5	7.197	860	871	881	rBV2	9702	28926	2.18%	0.231%
6	7.904	971	987	991	rBV	167098	400923	30.17%	3.202%
7	7.959	991	996	1013	rVB	266076	615559	46.32%	4.917%
8	8.319	1045	1055	1069	rBV	171373	386453	29.08%	3.087%
9	8.849	1134	1142	1155	rBV	454877	915871	68.92%	7.316%
10	9.337	1209	1222	1229	rBV7	5047	14636	1.10%	0.117%
11	9.898	1307	1314	1320	rVB2	7308	14705	1.11%	0.117%
12	10.325	1377	1384	1393	rBV	696153	1227592	92.38%	9.806%
13	11.233	1528	1533	1537	rVB5	8364	13623	1.03%	0.109%
14	11.513	1573	1579	1584	rBV2	6720	13348	1.00%	0.107%
15	11.629	1590	1598	1611	rBV	661618	1236403	93.04%	9.876%
16	11.818	1624	1629	1633	rBV8	6923	16186	1.22%	0.129%
17	11.873	1633	1638	1643	rBV3	18863	33274	2.50%	0.266%
18	12.050	1658	1667	1673	rVB6	8338	21173	1.59%	0.169%
19	12.135	1673	1681	1688	rBV6	38359	98669	7.43%	0.788%
20	12.251	1693	1700	1704	rVB3	31077	62865	4.73%	0.502%
21	12.343	1704	1715	1719	rBV4	50261	168769	12.70%	1.348%
22	12.464	1730	1735	1738	rBV4	14752	27393	2.06%	0.219%
23	12.617	1752	1760	1766	rVB	513497	849535	63.93%	6.786%
24	12.696	1766	1773	1778	rBV5	27464	64764	4.87%	0.517%
25	12.775	1778	1786	1793	rVB5	73848	167988	12.64%	1.342%
26	12.855	1793	1799	1804	rBV6	32600	77906	5.86%	0.622%
27	12.940	1805	1813	1818	rBV7	73815	194222	14.62%	1.551%
28	13.044	1825	1830	1833	rBV3	43006	75465	5.68%	0.603%
29	13.074	1833	1835	1839	rVB3	27779	34059	2.56%	0.272%
30	13.117	1839	1842	1845	rBV2	18544	26212	1.97%	0.209%
31	13.166	1845	1850	1852	rBV4	53344	88376	6.65%	0.706%
32	13.287	1861	1870	1875	rBV6	49608	119194	8.97%	0.952%
33	13.336	1875	1878	1880	rVV2	20666	33308	2.51%	0.266%
34	13.379	1881	1885	1886	rVV3	52248	78759	5.93%	0.629%
35	13.403	1887	1889	1892	rVV	75176	112539	8.47%	0.899%
36	13.440	1893	1895	1899	rVV2	71882	106025	7.98%	0.847%

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37	13.476	1899	1901	1905	rVB4	28193	33288	2.50%	0.266%
38	13.556	1908	1914	1928	rVV2	690804	1328869	100.00%	10.614%
39	13.714	1932	1940	1944	rBV4	50450	116081	8.74%	0.927%
40	13.757	1944	1947	1951	rVB3	29987	44348	3.34%	0.354%
41	13.818	1954	1957	1960	rBV3	17968	21220	1.60%	0.169%
42	13.873	1960	1966	1971	rBV3	189423	325036	24.46%	2.596%
43	13.970	1980	1982	1985	rVB2	17702	18988	1.43%	0.152%
44	14.092	1993	2002	2010	rVB2	244265	457108	34.40%	3.651%
45	14.202	2014	2020	2025	rVB3	120637	231824	17.45%	1.852%
46	14.263	2025	2030	2035	rVB7	47658	90688	6.82%	0.724%
47	14.336	2036	2042	2045	rBV2	41438	81474	6.13%	0.651%
48	14.379	2045	2049	2051	rVV2	109644	167383	12.60%	1.337%
49	14.409	2051	2054	2064	rVB2	201873	353918	26.63%	2.827%
50	14.488	2064	2067	2071	rBV2	55867	87455	6.58%	0.699%
51	14.543	2072	2076	2082	rVB4	53673	123442	9.29%	0.986%
52	14.684	2095	2099	2102	rBV3	32504	58673	4.42%	0.469%
53	14.720	2102	2105	2110	rVV3	54515	91441	6.88%	0.730%
54	14.787	2110	2116	2123	rVV3	229969	492294	37.05%	3.932%
55	14.848	2123	2126	2131	rVB2	63141	100137	7.54%	0.800%
56	15.019	2148	2154	2155	rBV5	12981	26984	2.03%	0.216%
57	15.055	2155	2160	2164	rVV2	71137	131469	9.89%	1.050%
58	15.098	2164	2167	2173	rVV3	35627	81765	6.15%	0.653%
59	15.165	2173	2178	2185	rVV4	76976	168383	12.67%	1.345%
60	15.244	2187	2191	2197	rVB5	24714	59543	4.48%	0.476%
61	15.318	2198	2203	2208	rBV2	50111	83997	6.32%	0.671%
62	15.464	2223	2227	2234	rBV3	20887	46072	3.47%	0.368%
63	15.647	2253	2257	2265	rVB4	27965	53571	4.03%	0.428%
64	15.720	2265	2269	2275	rBV8	15821	30270	2.28%	0.242%
65	15.939	2302	2305	2309	rVB4	17002	25311	1.90%	0.202%
66	16.013	2311	2317	2322	rVV4	12615	31041	2.34%	0.248%
67	16.165	2338	2342	2348	rVB8	14811	26604	2.00%	0.213%
68	16.269	2355	2359	2365	rVB3	17297	33448	2.52%	0.267%
69	16.427	2381	2385	2389	rBV4	11886	25131	1.89%	0.201%
70	16.622	2411	2417	2419	rBV7	15758	30715	2.31%	0.245%

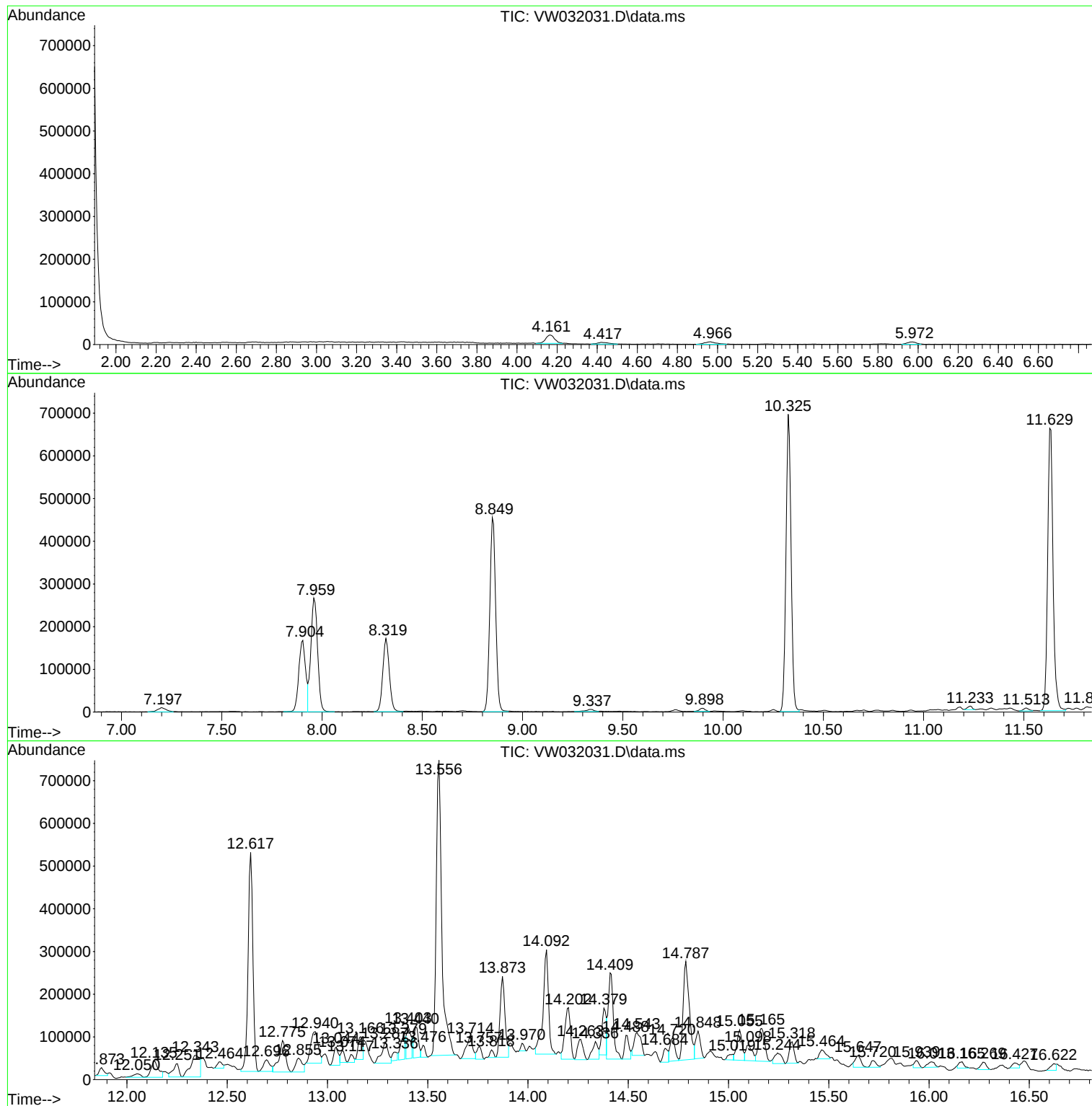
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TP-4-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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TP-4-VOC

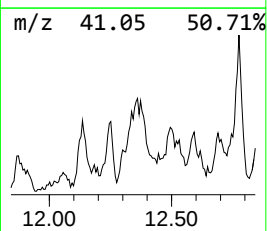
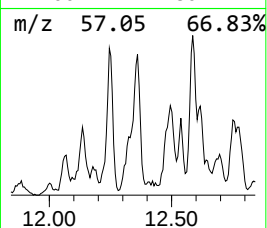
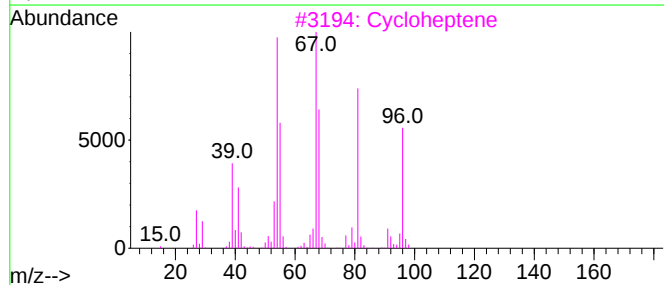
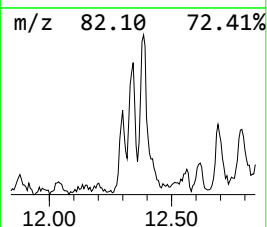
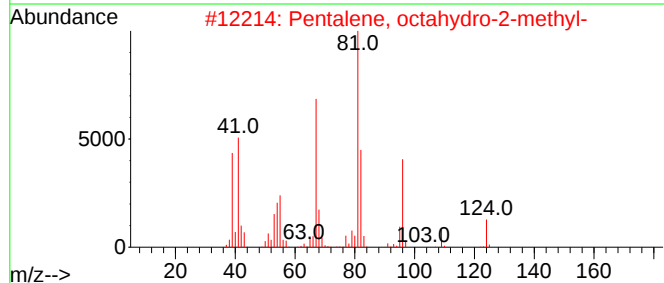
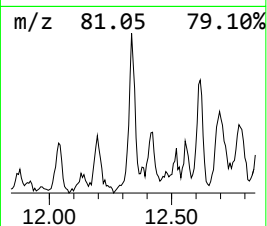
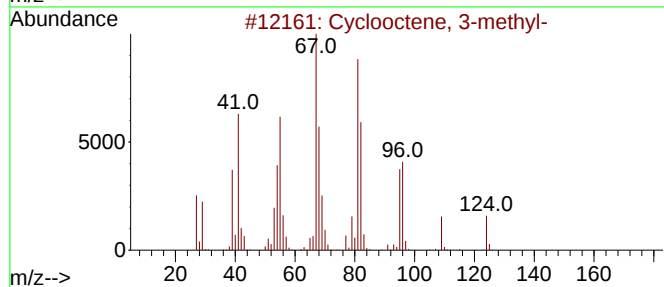
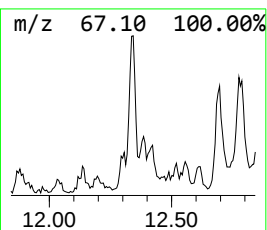
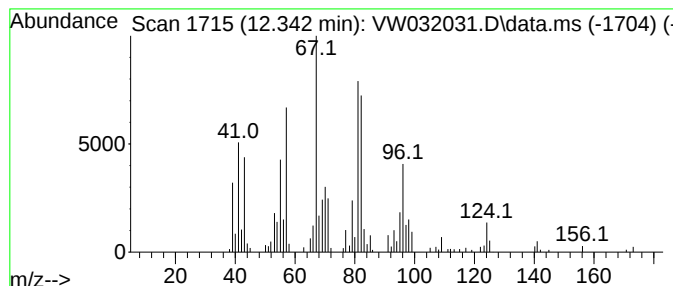
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclooctene, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.342	6.83 ug/l	168769	Chlorobenzene-d5	11.635

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	80
2			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	60
3			Cycloheptene	96	C7H12	000628-92-2	58
4			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
5			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	58



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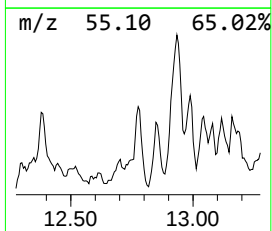
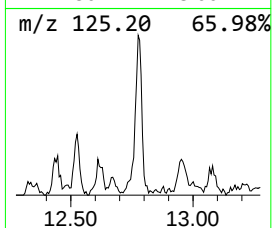
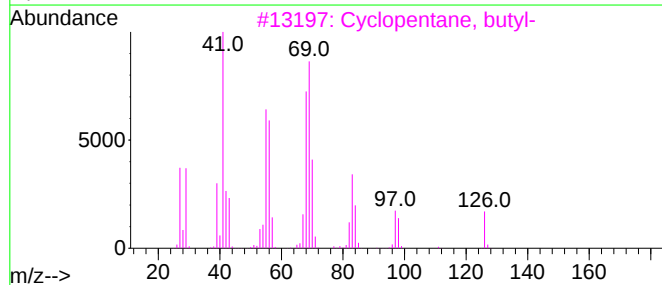
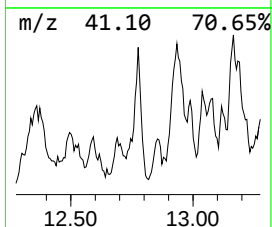
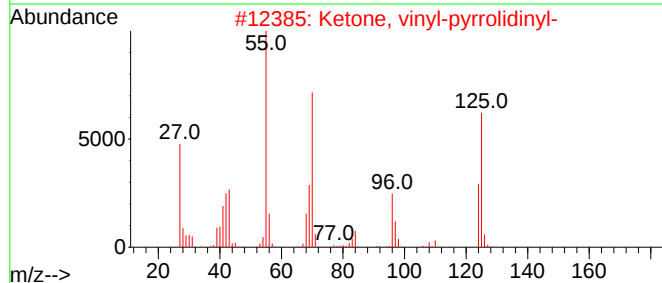
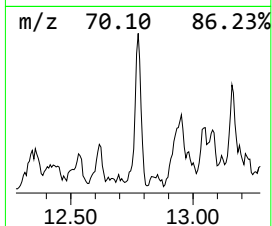
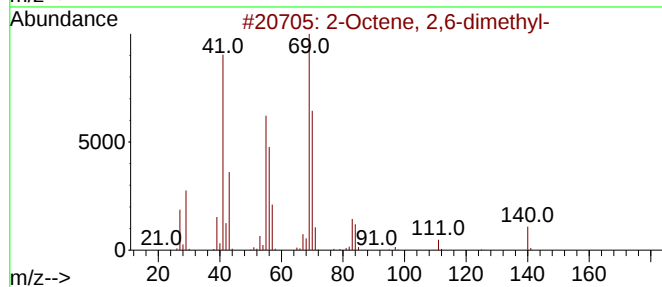
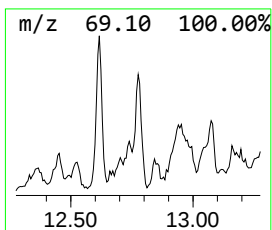
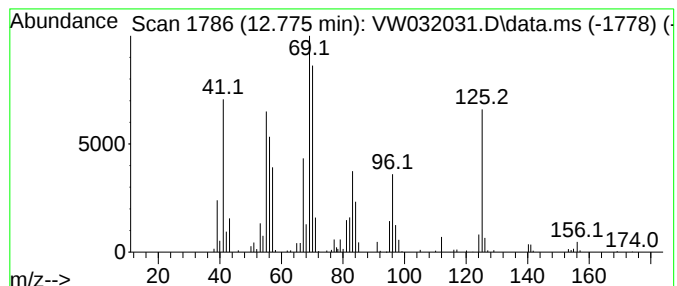
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
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Peak Number 2 unknown12.775 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	6.32 ug/l	167988	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
2			Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	46
3			Cyclopentane, butyl-	126	C9H18	002040-95-1	43
4			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
5			Cyclopentane, pentyl-	140	C10H20	003741-00-2	38



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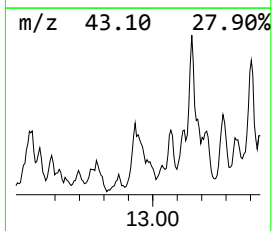
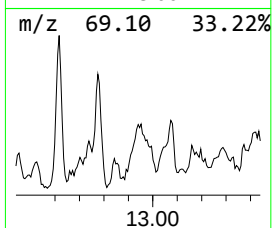
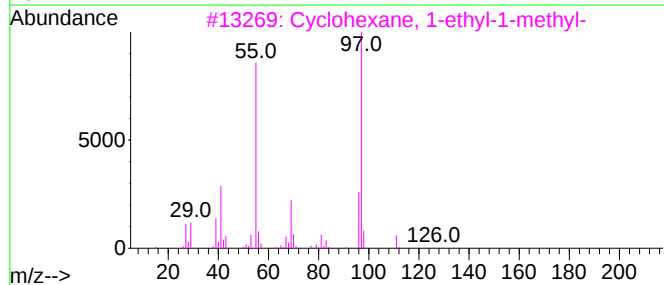
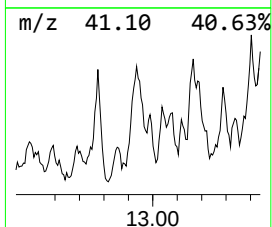
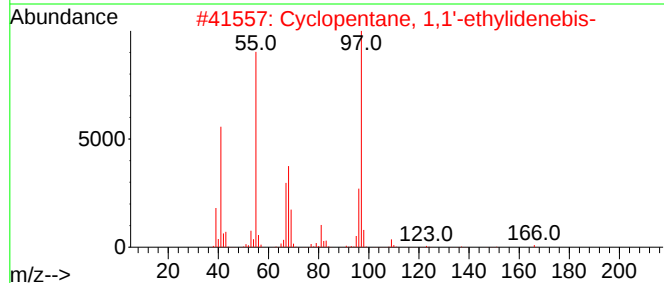
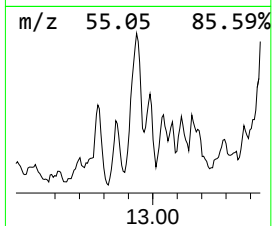
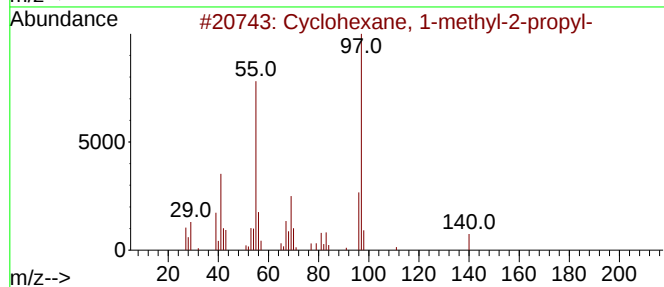
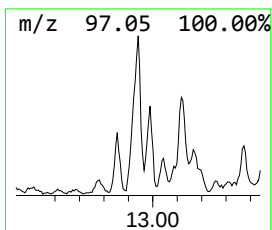
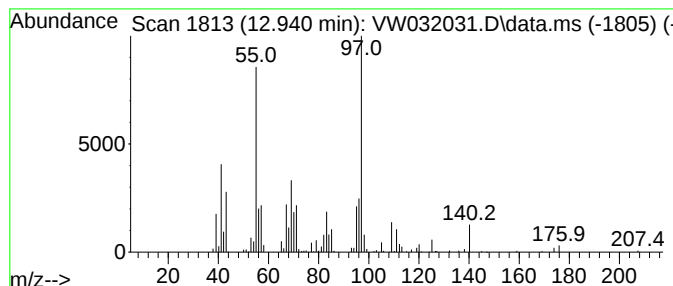
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Peak Number 3 Cyclohexane, 1-methyl-2-pro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	7.31 ug/l	194222	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	52
2			Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	47
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	46
4			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	46
5			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	43



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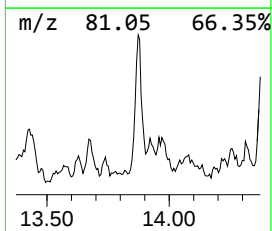
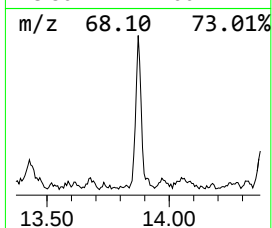
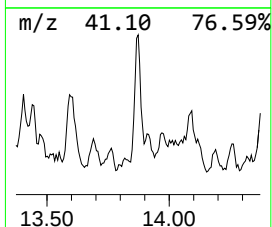
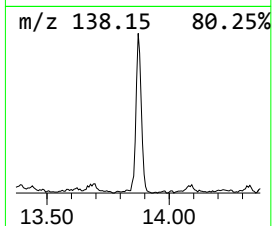
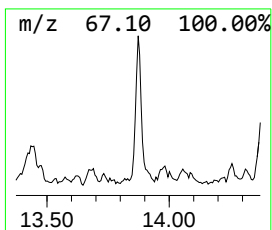
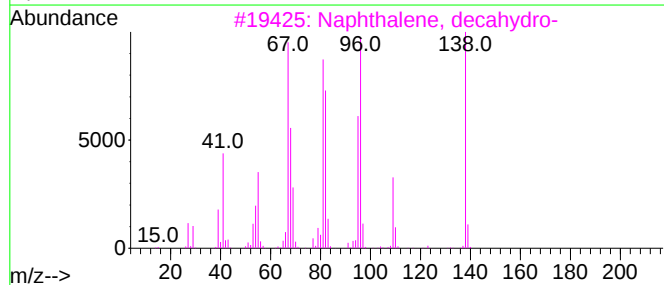
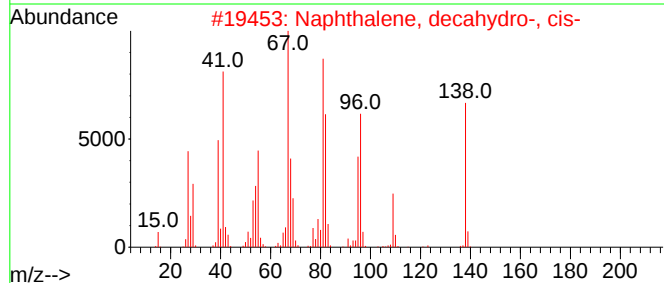
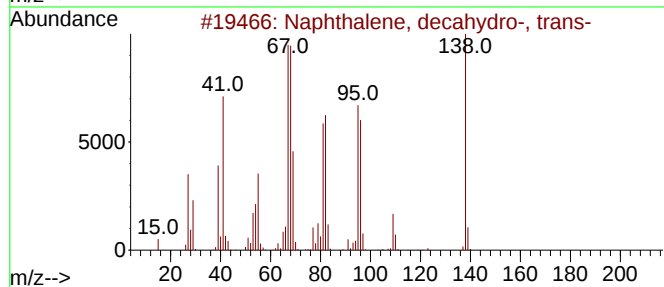
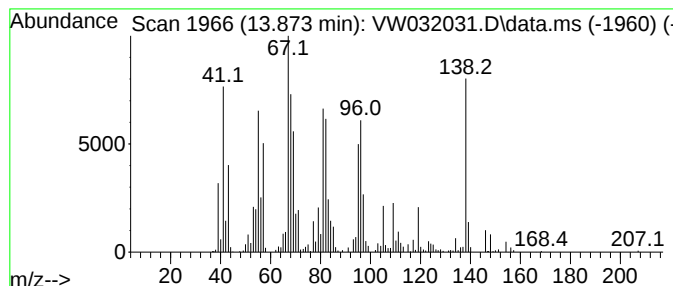
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Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.873	12.23 ug/l	325036	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
3			Naphthalene, decahydro-	138	C10H18	000091-17-8	87
4			Spiro[4.5]decane	138	C10H18	000176-63-6	76
5			1,1'-Bicyclopentyl	138	C10H18	001636-39-1	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

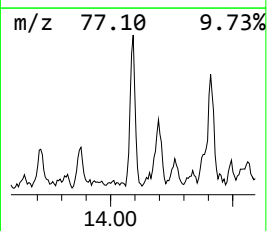
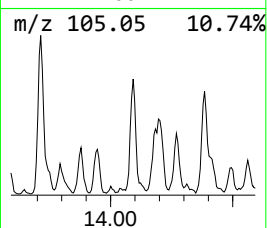
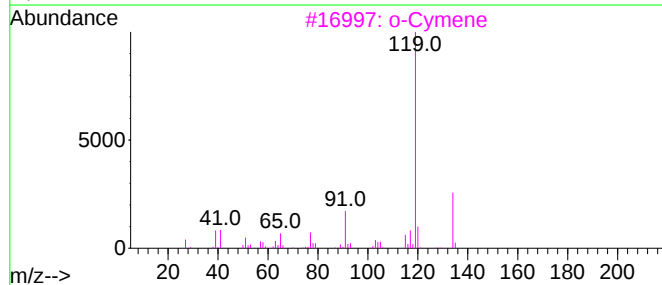
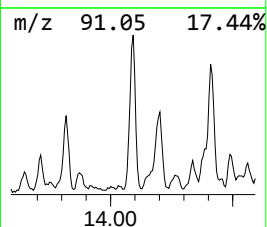
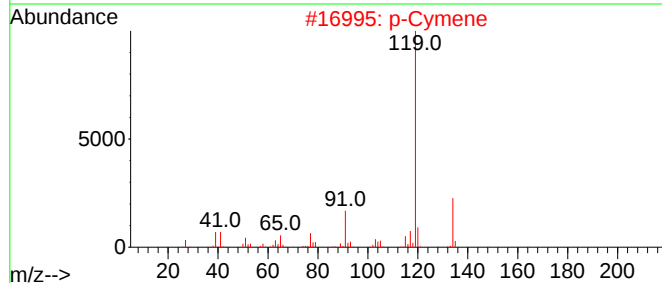
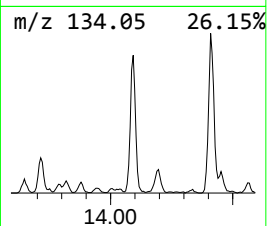
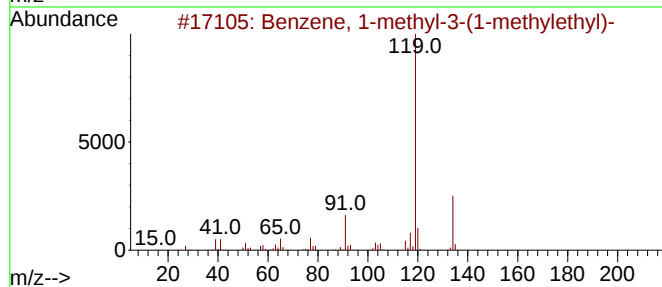
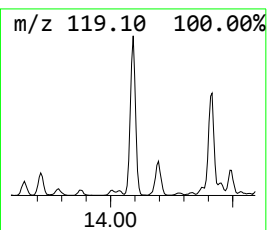
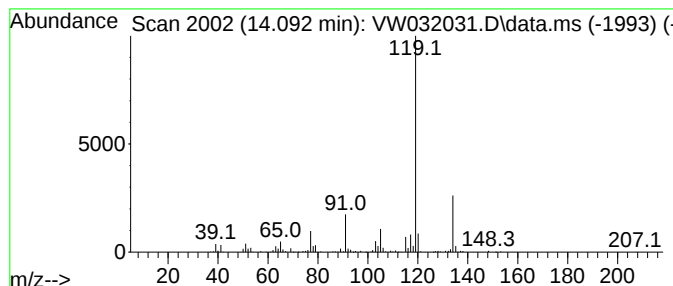
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	17.20 ug/l	457108	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2			p-Cymene	134	C10H14	000099-87-6	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

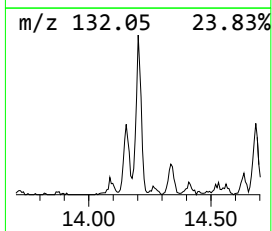
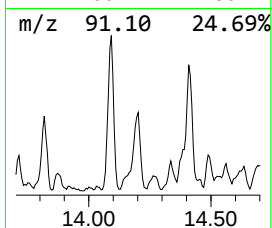
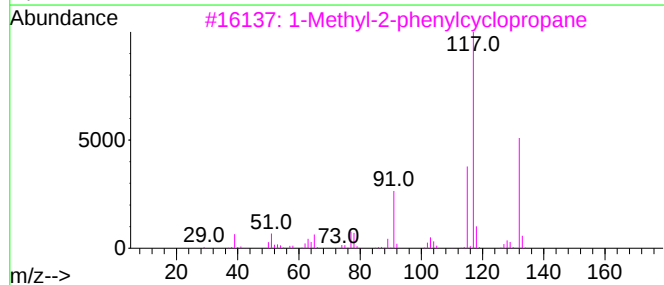
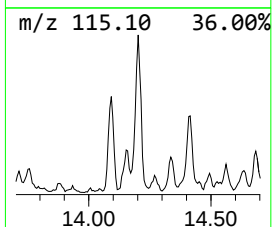
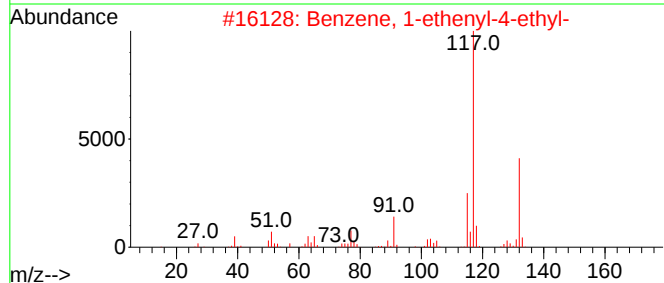
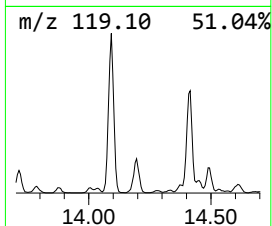
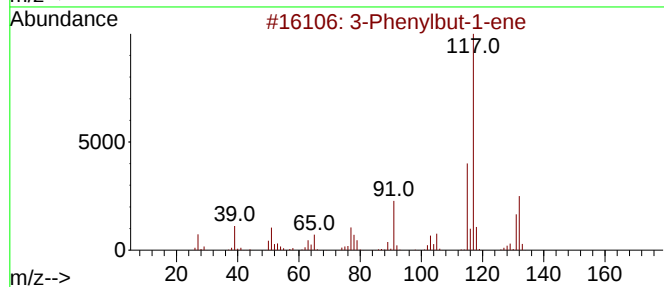
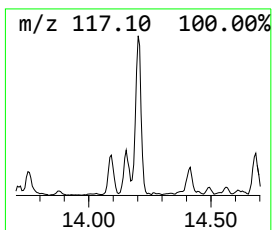
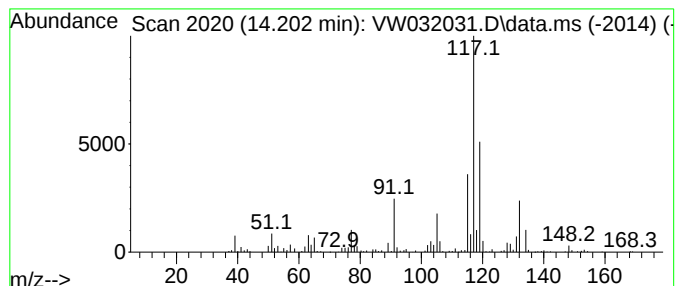
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	8.72 ug/l	231824	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
3		1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	58
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

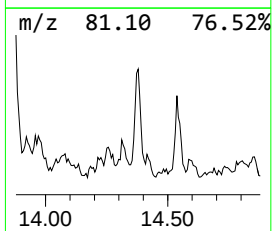
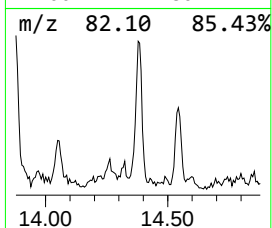
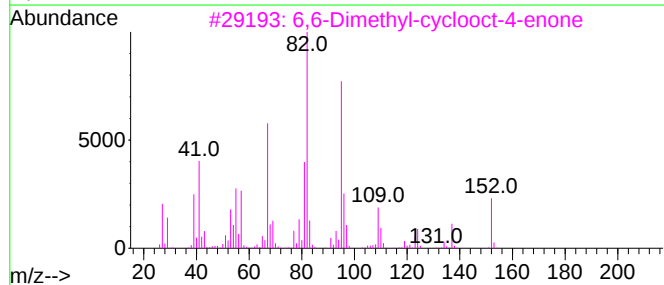
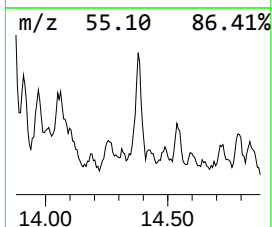
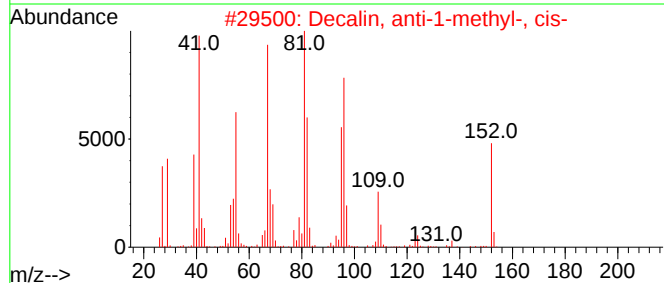
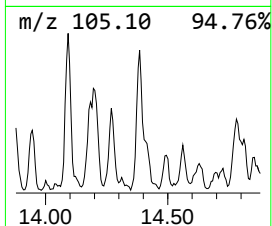
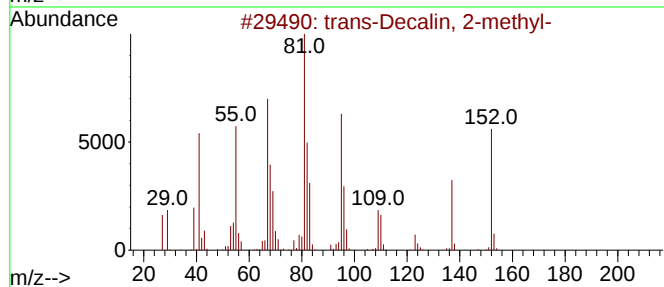
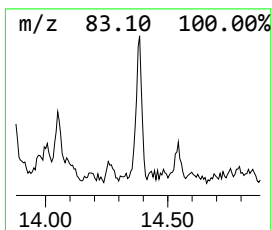
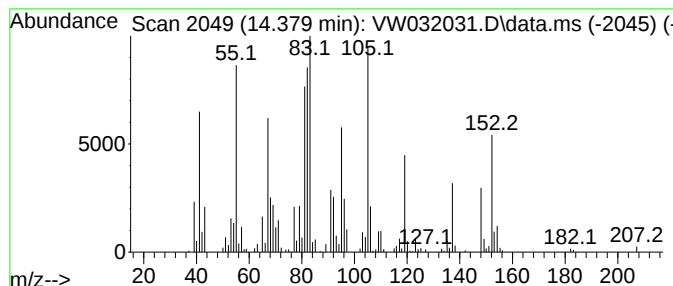
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown14.379 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	6.30 ug/l	167383	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	49
2			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	41
3			6,6-Dimethyl-cyclooct-4-enone	152	C10H16O	1000194-10-0	38
4			Furan, 2-hexyl-	152	C10H16O	003777-70-6	30
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

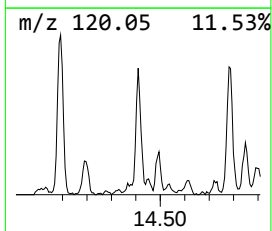
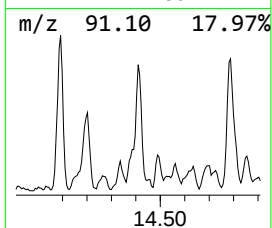
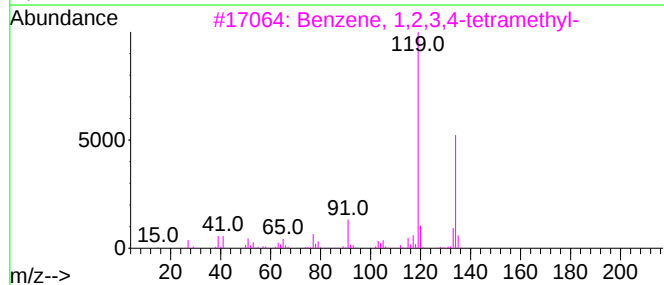
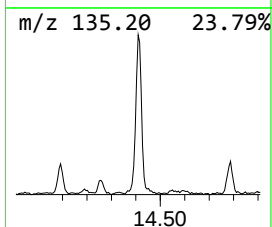
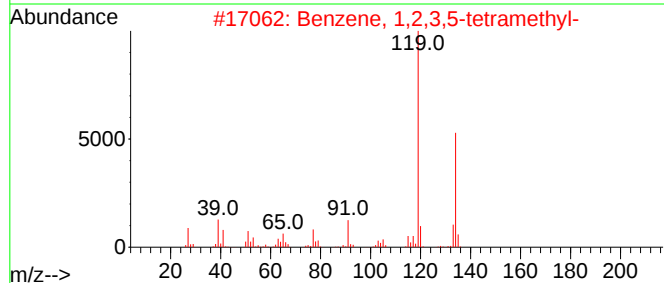
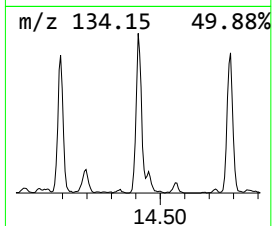
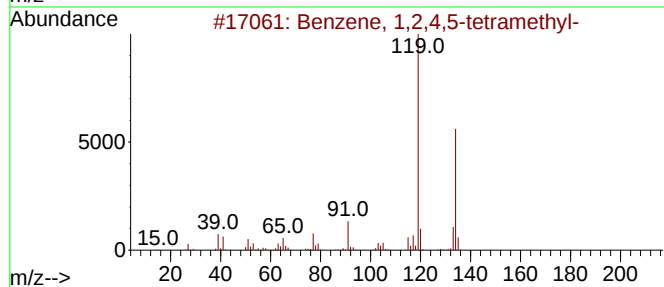
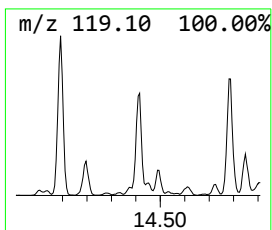
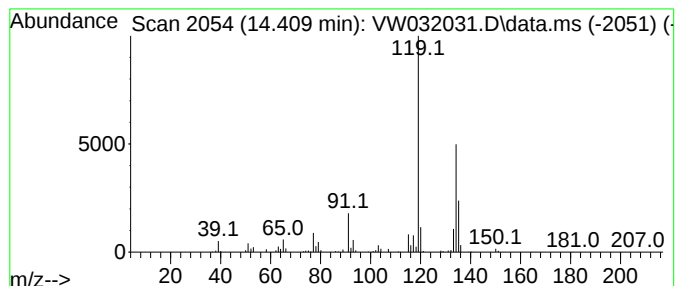
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.409	13.32 ug/l	353918	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

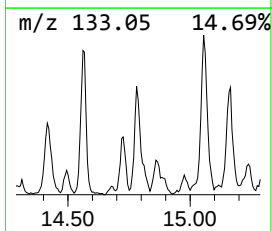
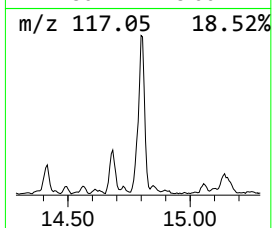
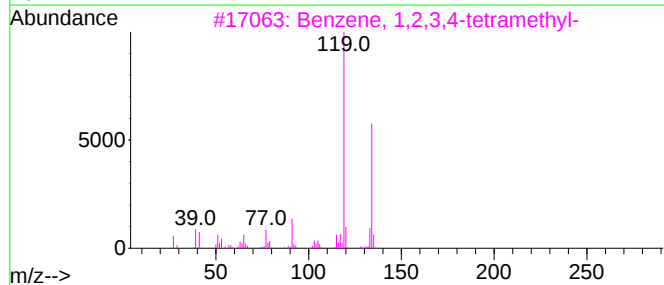
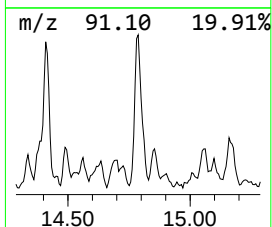
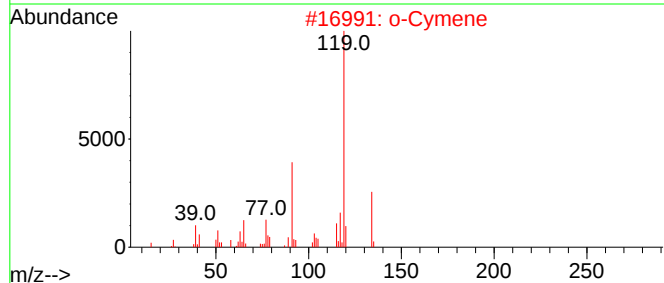
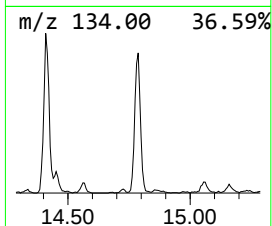
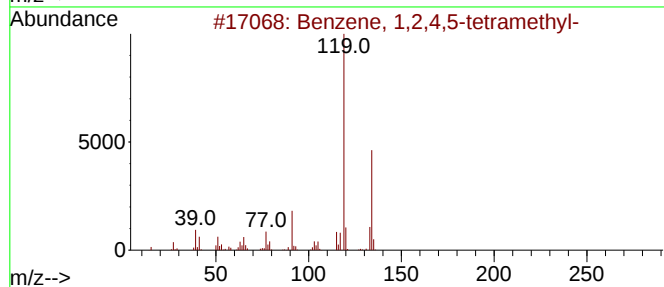
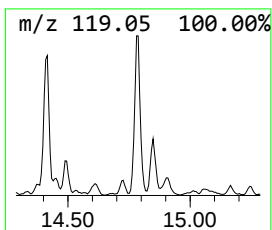
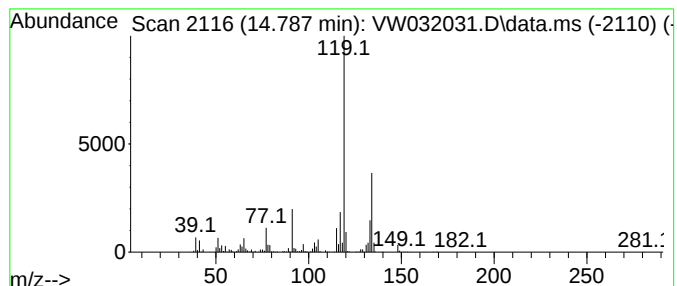
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	18.52 ug/l	492294	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			o-Cymene	134	C10H14	000527-84-4	90
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

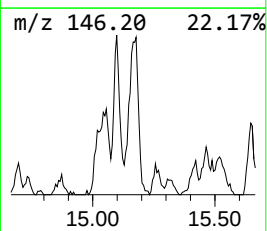
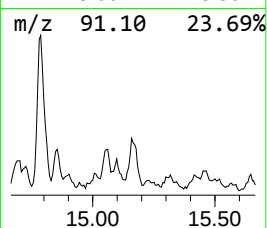
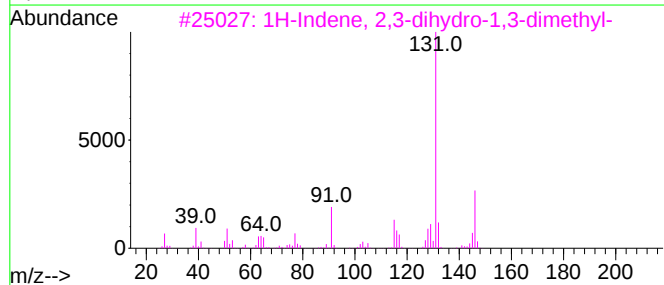
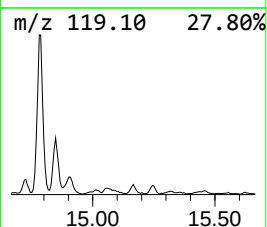
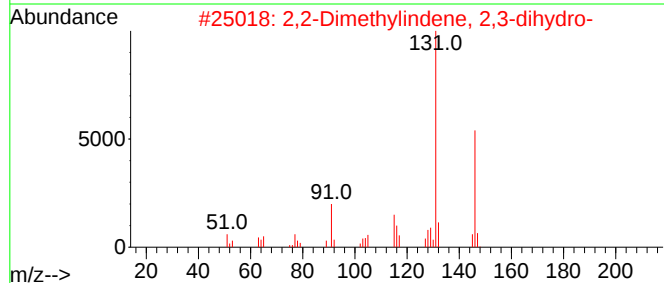
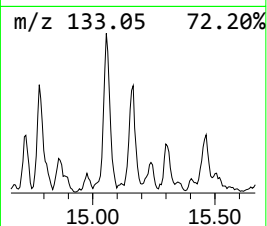
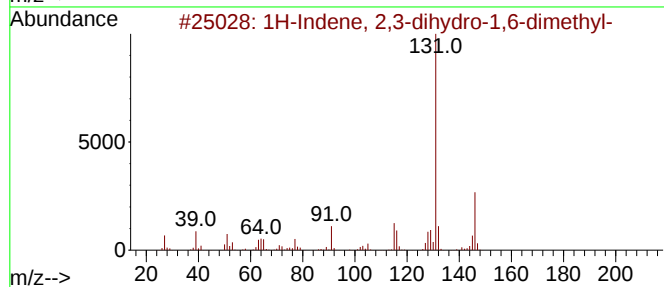
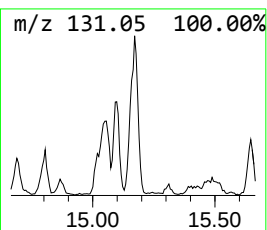
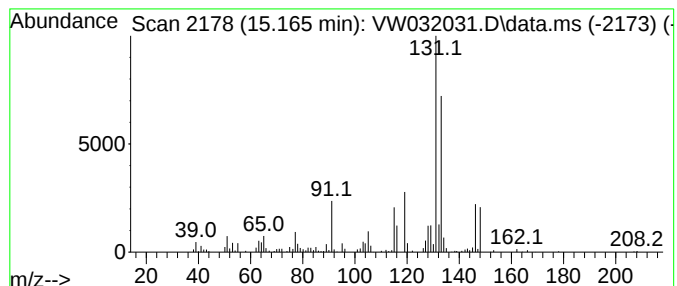
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	6.34 ug/l	168383	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
2			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032031.D
Acq On : 06 Aug 2025 16:12
Operator : SY/MD
Sample : Q2779-03
Misc : 4.27g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown12.775	12.775	6.3	ug/l	167988	4	13.556	1328870	50.0
Cyclohexane, 1-...	12.940	7.3	ug/l	194222	4	13.556	1328870	50.0
Naphthalene, de...	13.873	12.2	ug/l	325036	4	13.556	1328870	50.0
Benzene, 1-meth...	14.092	17.2	ug/l	457108	4	13.556	1328870	50.0
3-Phenylbut-1-ene	14.202	8.7	ug/l	231824	4	13.556	1328870	50.0
unknown14.379	14.379	6.3	ug/l	167383	4	13.556	1328870	50.0
Benzene, 1,2,3,...	14.409	13.3	ug/l	353918	4	13.556	1328870	50.0
Benzene, 1,2,4,...	14.787	18.5	ug/l	492294	4	13.556	1328870	50.0
1H-Indene, 2,3-...	15.165	6.3	ug/l	168383	4	13.556	1328870	50.0